Vertedero de Chiquita Canyon
Castaic, California

Evaluación de Emisiones de Aire de Superficies de Vertederos



Evento de Prueba 8

Informe

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Elaborado por

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1. Introducción

Antecedentes

El Vertedero de Chiquita Canyon (CCLF o el Vertedero) es un vertedero de desechos sólidos municipales (MSW) ubicado en el norte del Condado de Los Ángeles. Un área del Vertedero ha experimentado temperaturas elevadas de gas y hundimiento de la superficie, acompañado de generación elevada de gases, debido a una reacción en la subsuperficie. Este informe tiene como fin proporcionar una evaluación de las emisiones del aire (Evento de Prueba No. 8) para determinar las emisiones en el aire superficial del vertedero tanto del área del Vertedero afectada por la reacción como de las áreas no afectadas por la reacción. Los eventos de prueba previos del Vertedero se realizaron los siguientes días:

1. Del 29 al 31 de agosto de 2023
2. Del 19 al 21 de marzo de 2024
3. Del 19 al 21 de noviembre de 2024
4. Del 19 al 21 de marzo de 2025
5. Del 15 al 23 de julio de 2025
6. Del 10 al 25 de noviembre de 2025
7. Del 16 al 20 de marzo de 2026

El Octavo Evento de Prueba, que se describe en este informe, se realizó del 20 al 24 de julio de 2026.

Ubicación del Sitio

El sitio de prueba es el Vertedero de Chiquita Canyon que se encuentra ubicado en 29201 Henry Mayo Drive, Castaic, California, 91384.

Figura 1.1 Mapa de Ubicación del Sitio.



Descripción de las Instalaciones

Desde el momento del Cuarto Evento de Prueba, el Vertedero de Chiquita Canyon ha sido un centro de disposición de MSW inactivo y no ha estado recibiendo desechos.

Objetivo

El objetivo de esta evaluación de emisiones fue cuantificar por mediciones de campo las emisiones en el aire de gases fijos (incluidos metano, dióxido de carbono y monóxido de carbono), compuestos de azufre reducidos y compuestos orgánicos volátiles (VOCs) especiados del área del Vertedero afectada por la reacción y las áreas no afectadas por la reacción.

Metodología

Las emisiones al aire del Vertedero se midieron directamente utilizando la Cámara de Flujo con Aislamiento de Emisiones en la Superficie (cámara de flujo) de la Agencia de Protección Ambiental de Estados Unidos (USEPA) siguiendo el documento de Orientación al Usuario de USEPA (consulte la Foto 1.1). Se tomaron muestras de aire total de la cámara de flujo utilizando recipientes Summa® y bolsas Tedlar® con análisis que siguieron los siguientes métodos:

- ASTM D-1945/USEPA Método 3C para gases fijos (incluidos metano, dióxido de carbono y monóxido de carbono);
- Método TO-15 (MS) de USEPA para 1-1-Difluoroetano (1,1-DFA, gas trazador agregado para determinar el flujo advectivo);
- Método 307-91 del Distrito de Gestión de la Calidad del Aire de la Costa Sur (SCAQMD) para ácido sulfhídrico (H_2S)/azufre reducido orgánico (ORS);
- Método TO-14 (GC/FID) de USEPA para VOCs especiados;
- Método TO-15 (GC/MS) de USEPA para VOCs especiados (incluye compuestos identificados tentativamente); y
- Método TO-12 de USEPA para el total de VOC (hidrocarburo total sin metano (TNMHC)) con distribución por grupo funcional/peso molecular.

Los flujos de las superficies del suelo pueden ser difusivos (conducidos por acción molecular), advectivos (conducidos por el movimiento del gas) o una combinación de ambos. Dado que se esperaba que la superficie del vertedero tendría un flujo advectivo en algún lugar o en varios lugares, la evaluación de la cámara de flujo incluyó el uso de un trazador (1-1-Difluoroetano (1,1-DFA), analizado según el Método TO-15 de USEPA) en el gas del aire de barrido de la cámara, según la

Foto 1.1 Cámara de Flujo de USEPA Usada en el Programa de Pruebas.



Regla 1133.3 del SCAQMD, Adjunto A. Se utilizó la dilución del trazador tomada de las muestras del recipiente evacuado

para calcular el flujo total de la cámara de flujo para evaluar las emisiones. Se debe tener en cuenta que las muestras del TO-12, TO-14, TO-15, del Método 3C de USEPA y del Método 3C de USEPA fueron tomadas y analizadas del mismo recipiente de toma de muestras.

Nomenclatura de la Superficie del Vertedero

Para los propósitos de esta prueba, la superficie del Vertedero se dividió en las siguientes áreas:

Zona No Reactiva

Es la parte del Vertedero que no se ve afectada por la reacción del vertedero y que no excedió el límite de datos integrados de la Regla 1150.1 del SCAQMD de 25 partes por millón por volumen (ppmv) el 6 de julio de 2026, las fechas del evento SEM en todo el sitio, cuyos datos fueron utilizados para seleccionar las celdas de prueba.

Zona de Membrana

Incluye la zona reactiva, la parte del Vertedero designada como afectada por la reacción del vertedero, según la definición del personal de SCS Engineers (SCS) conforme a los procedimientos establecidos por el Comité de la Reacción, y que no excedió el límite de datos integrados de la Regla 1150.1 del SCAQMD el 6 de julio de 2026 (Consulte el Apéndice 1 para observar la delineación de la Zona Reactiva utilizada para este informe. Este mapa de delineación lo proporcionó SCS Engineers en noviembre de 2025); como también parte del área contigua sin reacción cubierta con una membrana de HDPE (ver la Fotografía 1.2).

Foto 1.2 Cámara de Flujo en la Parte que Cubre la Membrana del Vertedero.



Zona de Interfaz de Cubierta de Membrana/Suelo

Son las Celdas de la Cuadrícula de SEM que tienen
una cubierta de suelo parcial y una cubierta de membrana de HDPE parcial.

Zona de Excedencias

Es la parte del Vertedero designada como afectada por la reacción del vertedero y que excedió el límite de datos integrados de la Regla 1150.1 del SCAQMD el 6 de julio de 2026. Esta parte del Vertedero fue considerada por separado, para evaluar cualquier impacto que las celdas de la cuadrícula que excedieron los criterios de los datos integrados de la Regla 1150.1 podrían tener en las emisiones totales en la superficie del sitio. Se debe tener en cuenta que estas celdas de la cuadrícula están sujetas a un estricto programa de remediación, por lo tanto, las emisiones elevadas de estas celdas serían un fenómeno temporal. También se debe tener en cuenta que, para este evento de prueba, no hubo excedencias de SEM en ninguna celda. Por lo tanto, para este evento de prueba, las celdas 'con excedencias' fueron celdas con emisiones potencialmente altas en base a los datos de los drones.

Área de Celdas Anómalas

Es la parte del Vertedero donde existían condiciones al momento de realizar las pruebas que se esperaba que dieran como resultado índices de flujo más altos. Se seleccionaron como objetivo tres celdas de la cuadrícula porque tenían datos del sitio (que no fueran datos de SEM) que sugerían posibles emisiones de aire. Los detalles de la selección de estas celdas se proporcionan más adelante en este informe, como también en el Protocolo de Prueba adjunto a este informe.

Superficie de la Calle/Área de Colocación

Para este evento de prueba, se analizaron la superficie de una calle (Ver la Figura 3.3 a continuación) y un área de colocación de equipos (Ver la Figura 3.4 a continuación). Esta prueba se realizó únicamente para comparar las emisiones en la superficie de la calle/el área de colocación con las emisiones en la superficie de la membrana.

2. Alcance de la Toma de Muestras

Cada zona del Vertedero fue analizada utilizando la tecnología de cámara de flujo. Se utilizaron los datos tomados de las mediciones de la cámara de flujo en lugares representativos dentro de las celdas de la cuadrícula para estimar los siguientes constituyentes del Vertedero: VOCs, compuestos de azufre, contaminantes tóxicos del aire (TACs) y emisiones de gases fijos.

El alcance de trabajo completo para la evaluación de las emisiones se indica a continuación en la Tabla 2.1.

Tabla 2.1 Alcance del Trabajo para la Evaluación de Emisiones de Aire.

	Alcance	
Categoría de la Fuente	**Origen Nivel**	**Cantidad de Conjuntos de Muestras**
Zona No Reactiva	Alto	4
	Medio	4
	Bajo	4
Zona de Interfaz	Alto	4
	Medio	4
	Bajo	4
Zona de Membrana	Alto	4
	Medio	4
	Bajo	4
Área Anómala	Alto	4
	Medio	4
	Bajo	4
Zona de Excedencias		4
Superficie de la Calle		4
Área de Colocación		4
Total de Ubicaciones de Muestreo		**60**
QA/QC		10
Cantidad Total de Conjuntos de Muestras		70

3. Estrategia para la Toma de Muestras

Selección de los Lugares de Toma de Muestras

Las ubicaciones de las tomas de muestras fueron seleccionadas en base a los datos de SEM obtenidos bajo el programa SEM de la Regla 1150.1 del SCAQMD. El programa SEM consiste en realizar un levantamiento de la superficie del Vertedero siguiendo un recorrido, utilizando un instrumento portátil en el campo, calibrado, sensible al metano y a hidrocarburos no metanos totales (TNMHC). El patrón de la cuadrícula del vertedero se muestra en la Figura 3.1. Las celdas de la cuadrícula en las que se tomaron muestras están encerradas en una figura geométrica.

Metodología para la Selección de Celdas de Prueba

Esta evaluación de emisiones se llevó a cabo analizando los datos de SEM de la Regla 1150.1 y categorizando las zonas del Vertedero en base a las emisiones de la superficie. En este sitio, los eventos de SEM se realizan con una frecuencia de hasta cada dos semanas.

Los eventos del SEM se llevaron a cabo utilizando un instrumento equipado con un detector de ionización de llama (FID) junto con un registro de la ubicación por sistema de posicionamiento global (GPS) para cartografiar las concentraciones de hidrocarburos fugitivos en la superficie siguiendo un patrón en cada celda de la cuadrícula para el sitio. Los datos instantáneos de las concentraciones fugitivas se determinan recorriendo el lugar a pie en forma de serpentina por cada celda de cuadrícula del Vertedero de 50,000 pies cuadrados (pies^2) nominales. Los datos integrados de las concentraciones se determinan promediando las lecturas de los instrumentos obtenidas mientras se atravesaba el camino en forma de serpentina, como se ilustra en la Figura 3.2.

Se toman y se guardan los datos de las concentraciones de emisiones y la información de la ubicación con el propósito de clasificar las celdas de la cuadrícula en el Vertedero por concentración de emisiones. Los datos de las concentraciones integradas fueron utilizados para “clasificar” las celdas de la cuadrícula en categorías de emisiones altas, emisiones medias y emisiones bajas. Se utilizaron los datos instantáneos de las concentraciones fugitivas para seleccionar lugares representativos para realizar las pruebas de la cámara de flujo donde se tomaron los datos del flujo para observar los VOCs, azufre y contaminantes tóxicos del aire. Se utilizó el flujo de estos lugares representativos para estimar las emisiones de aire de toda la superficie de estas celdas.

Superficie de la Calle/Área de Colocación

Para este evento de prueba, se analizaron la superficie de la sección de una calle y un área de colocación para determinar cómo se comparan las emisiones de la superficie de la calle/área de colocación con las superficies del Vertedero cubiertas por membrana de HDPE. La Figura 3.3 muestra la parte de la superficie de la calle que se analizó y la Figura 3.4 muestra el área de colocación. Se analizó la superficie de la calle en la línea central utilizando los mismos métodos y tecnología que se utilizaron para los estudios de SEM del vertedero. El área de colocación se analizó en base a un patrón en serpentina, similar a las celdas de las cuadrículas de SEM.

Figure 3.1 Chiquita Canyon Landfill Test Grid Cells.

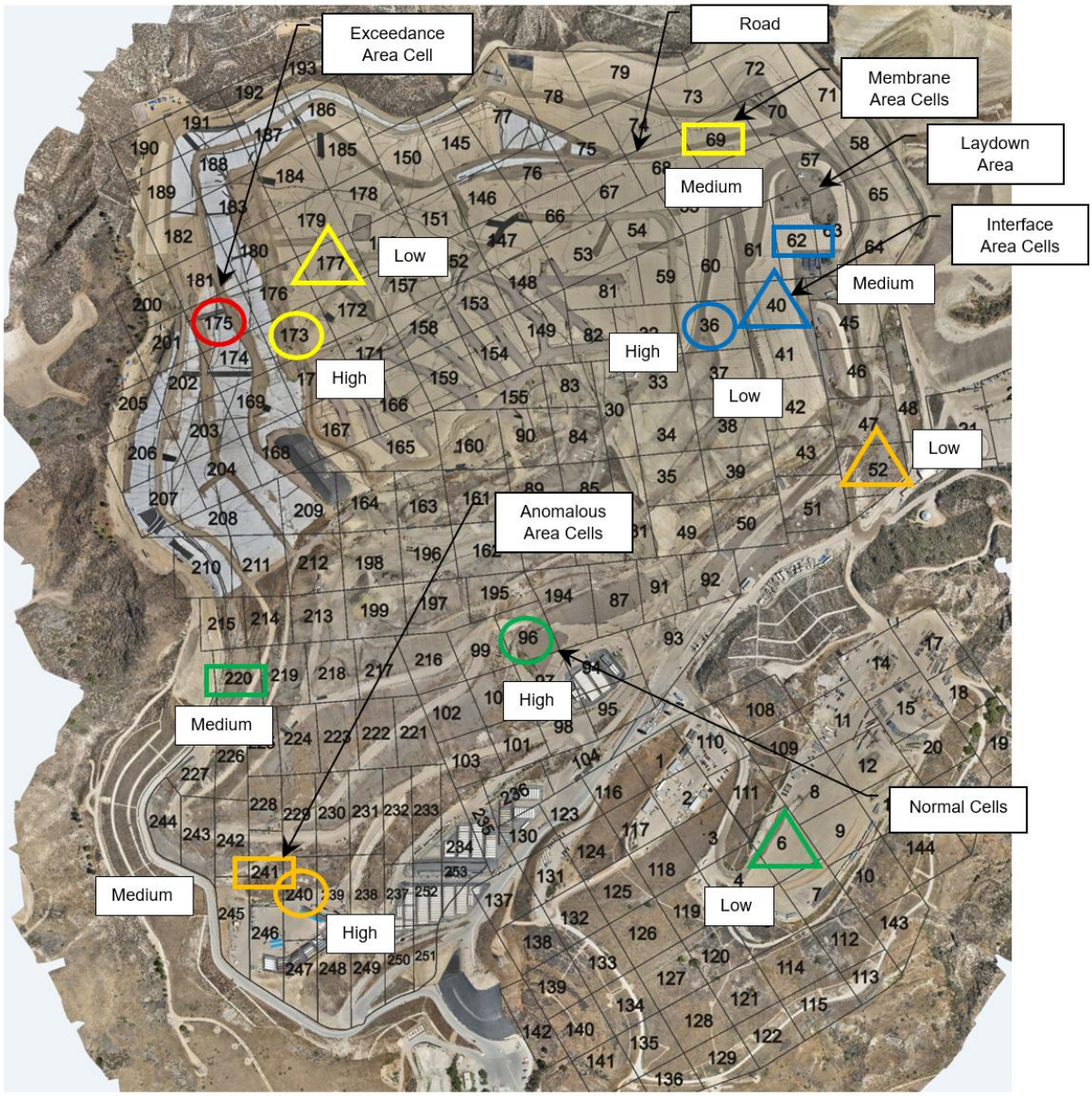


Figure 3.2 Typical Serpentine Landfill Walk Pattern for a 50,000 Square Foot Grid (from Rule 1150.1).

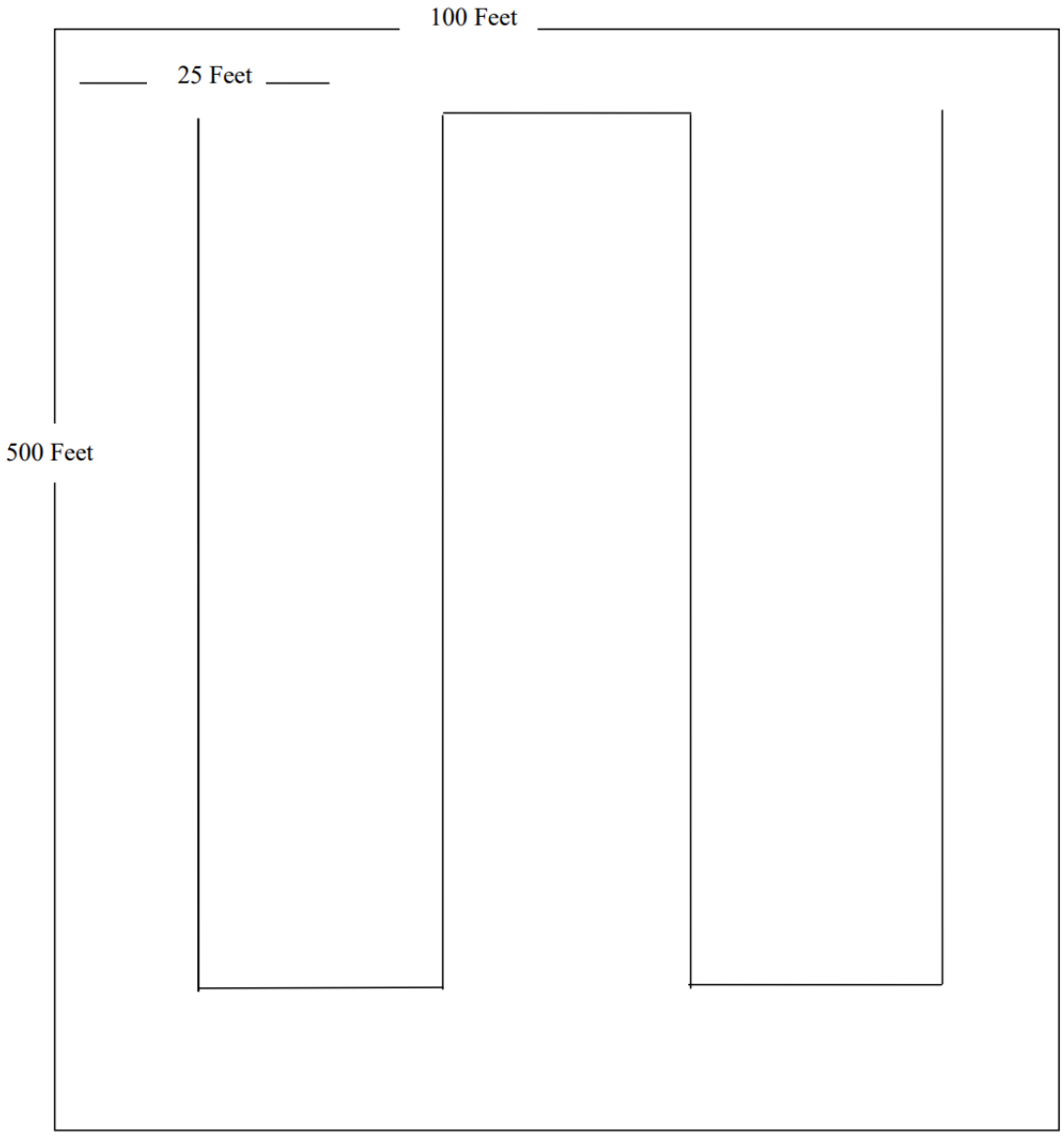


Figure 3.3 Road Section that was tested for Surface Emissions.

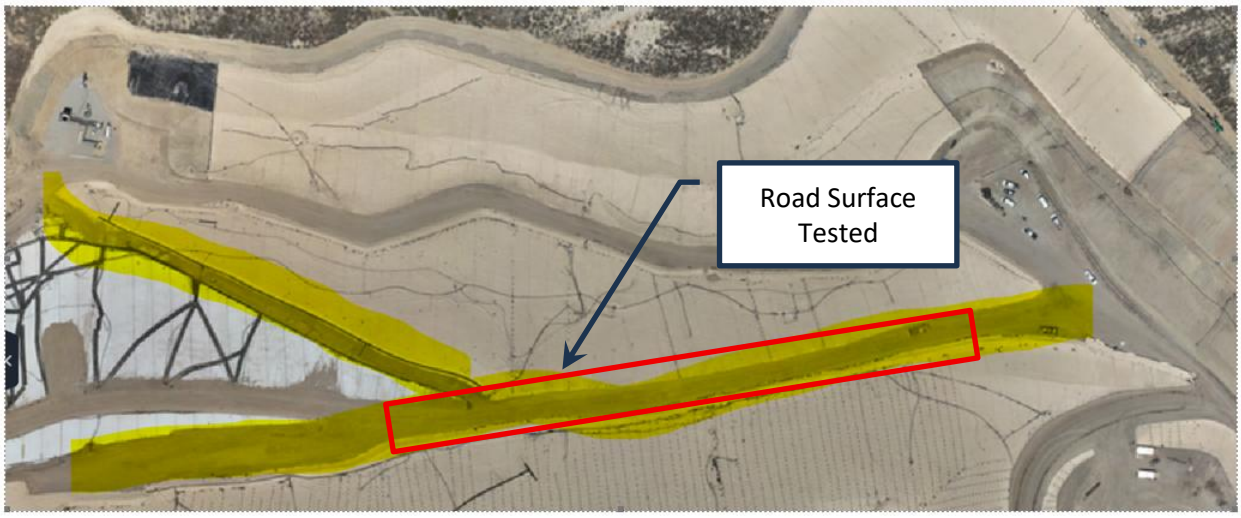


Figure 3.4 Lay Down Area that was tested for Surface Emissions.



Selección de Celdas Anómalas

En base a la sugerencia del SCAQMD, deberían utilizarse otros datos, además de los datos de SEM, para seleccionar "celdas anómalas" donde existen condiciones al momento del análisis que se espera que den como resultado índices de flujo más altos. Estos datos adicionales pueden incluir datos sobre:

- Presiones de los pozos
- Temperaturas de la subsuperficie
- Carácter del gas extraído
- Datos sobre el metano de los sobrevuelos de drones
- Otras inquietudes, que incluyen la construcción y/o modificaciones en el sistema de gases.

En el Protocolo de Prueba adjunto a este informe se encuentra una descripción completa de los criterios de selección de las celdas anómalas y los procedimientos.

Las siguientes celdas fueron las celdas seleccionadas para esta categoría de fuente de emisiones:

- Estas celdas tuvieron problemas operativos continuos: 41, 48, 52, 172.
- Se propusieron pozos nuevos para estas celdas: 92, 238, 239, 240, 241, 242, 245, 246, 248.
- Estas celdas tuvieron actividad de construcción: 43, 47, 87.

Tablas de Datos de SEM

Las tablas 3.1 a 3.3 muestran los datos integrados del SEM clasificados para las celdas de las zonas no reactivas durante el período del 6 de julio de 2026. La tabla 3.4 muestra los datos integrados del SEM clasificados para las celdas de las zonas con interfaz de cubierta de membrana/suelo durante el período del 6 de julio de 2026. La tabla 3.5 muestra los datos integrados del SEM clasificados para las celdas de las zonas con membrana durante el período del 6 de julio de 2026. La tabla 3.6 muestra los datos integrados del SEM clasificados para las celdas de las zonas anómalas durante el período del 6 de julio de 2026. La tabla 3.7 muestra los datos integrados del SEM clasificados para las celdas de las zonas con excedencias ("Excedencias" según los drones, no excedencias según los SEM) durante el período del 6 de julio de 2026. La fila de la celda real probada en cada tabla se resalta en amarillo.

La estructura de las Tablas 3.1 a 3.7 es de la siguiente manera:

- Columna 1: designación numérica de la celda de la cuadrícula.
- Columna 2: área de la superficie de cada celda de la cuadrícula (cada celda de la cuadrícula nominalmente es de 50,000 pies cuadrados, pero para este análisis, se utiliza el área exacta de cada celda de la cuadrícula).
- Columna 3: valores del SEM integrados (respuesta de FID como ppmv de metano) para el evento de SEM del 6 de julio de 2026.
- Columna 4: promedio acumulado de todas las celdas de la cuadrícula por encima de la celda de la cuadrícula en cuestión.
- Columna 5: porcentaje del total de las celdas de la cuadrícula en el agrupamiento de celdas de la cuadrícula.

Las metas para las celdas de prueba son: el 16.7% del total de celdas de la cuadrícula del agrupamiento de celdas de la cuadrícula para el grupo alto (es el punto medio del 33% superior de las emisiones que representa el grupo alto), el 50% para el grupo medio y el 83.3% para el grupo bajo.

Table 3.1 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (July 6, 2026) (ppmv FID as methane); High Emission Cells.

Grid	Surface Area (ft2)	Integrated FID Value (7/6)	Cumulative Integrated Value	Fraction of Total
93	88,479	23.31	23.31	3%
95	49,782	17.43	40.74	6%
222	47,335	11.1	51.84	8%
228	32,278	10.64	62.48	9%
221	45,169	9.8	72.28	11%
46	57,683	9.32	81.6	12%
45	58,267	9.27	90.87	13%
199	52,647	9.16	100.03	15%
96	45,229	8.88	108.91	16%
50	61,680	8.43	117.34	17%
51	62,750	8.39	125.73	18%
230	49,427	8.3	134.03	19%
34	55,632	8.22	142.25	21%
44	35,715	8.22	150.47	22%
35	56,295	7.91	158.38	23%
225	38,630	7.8	166.18	24%
49	55,750	7.61	173.79	25%
223	48,150	7.6	181.39	26%
39	62,100	7.55	188.94	27%
229	49,011	7.38	196.32	29%
131	41,070	7.3	203.62	30%
217	53,205	7.27	210.89	31%

Note: The row of the actual cell tested in this table (Grid Cell ID Number 96) is highlighted in yellow.

Table 3.2 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (July 6, 2026) (ppmv FID as methane); Medium Emission Cells.

Grid	Surface Area (ft2)	Integrated FID Value (7/6)	Cumulative Integrated Value	Fraction of Total
213	46,753	7.22	218.11	32%
197	56,626	7.17	225.28	33%
195	44,221	7.14	232.42	34%
218	52,805	7.14	239.56	35%
97	42,564	7.01	246.57	36%
226	48,737	7	253.57	37%
103	44,432	6.94	260.51	38%
104	42,522	6.89	267.4	39%
137	45,071	6.81	274.21	40%
99	46,820	6.71	280.92	41%
100	44,490	6.63	287.55	42%
91	47,895	6.6	294.15	43%
94	57,008	6.54	300.69	44%
86	43,299	6.41	307.1	45%
224	47,895	6.4	313.5	46%
216	50,931	6.33	319.83	46%
227	45,403	6.27	326.1	47%
123	37,280	6.22	332.32	48%
219	49,910	6.22	338.54	49%
220	49,909	6.2	344.74	50%
214	40,386	6.16	350.9	51%
83	38,592	6.11	357.01	52%
194	71,501	5.92	362.93	53%
196	52,053	5.92	368.85	54%
232	49,006	5.9	374.75	54%
253	50,000	5.84	380.59	55%
88	47,618	5.82	386.41	56%
98	41,663	5.79	392.2	57%
102	45,969	5.79	397.99	58%
25	58,414	5.67	403.66	59%
162	60,853	5.67	409.33	59%
130	34,533	5.65	414.98	60%
231	50,572	5.6	420.58	61%
251	36,070	5.6	426.18	62%
144	68,243	5.56	431.74	63%
101	42,395	5.35	437.09	64%
107	22,162	5.31	442.4	64%
198	58,685	5.3	447.7	65%
233	49,820	5.3	453	66%
237	30,995	5.24	458.24	67%

Note: The row of the actual cell tested in this table (Grid Cell ID Number 220) are highlighted in yellow.

Table 3.3 Summary of Non-Reaction Area Cell Sorted Integrated Grid Data (July 6, 2026) (ppmv FID as methane); Low Emission Cells.

Grid	Surface Area (ft2)	Integrated FID Value (7/6)	Cumulative Integrated Value	Fraction of Total
234	42,867	5.2	463.44	67%
117	42,797	5.16	468.6	68%
7	50,364	5.11	473.71	69%
106	50,785	4.94	478.65	70%
16	60,337	4.84	483.49	70%
26	54,472	4.82	488.31	71%
243	45,926	4.8	493.11	72%
12	55,625	4.72	497.83	72%
23	56,405	4.7	502.53	73%
111	54,270	4.68	507.21	74%
10	66,970	4.62	511.83	74%
19	57,192	4.61	516.44	75%
105	47,304	4.56	521	76%
29	43,858	4.51	525.51	76%
124	43,289	4.45	529.96	77%
244	45,884	4.45	534.41	78%
161	60,199	4.42	538.83	78%
252	23,555	4.39	543.22	79%
5	56,526	4.36	547.58	80%
138	46,590	4.3	551.88	80%
85	45,482	4.25	556.13	81%
110	55,586	4.23	560.36	81%
116	39,267	4.21	564.57	82%
21	72,168	4.2	568.77	83%
28	39,741	4.2	572.97	83%
6	55,760	3.9	576.87	84%
18	42,901	3.9	580.77	84%
132	43,711	3.9	584.67	85%
9	54,331	3.81	588.48	86%
24	55,473	3.7	592.18	86%
89	47,690	3.7	595.88	87%
2	45,352	3.67	599.55	87%
17	54,072	3.6	603.15	88%
30	53,460	3.6	606.75	88%
133	44,845	3.6	610.35	89%
20	53,895	3.46	613.81	89%
141	41,413	3.4	617.21	90%
14	57,525	3.34	620.55	90%
22	58,442	3.32	623.87	91%
134	43,452	3.3	627.17	91%
4	53,410	3.22	630.39	92%
135	43,154	3.2	633.59	92%
1	42,205	3.15	636.74	93%
235	19,742	3.12	639.86	93%
120	46,799	3.11	642.97	93%
136	33,845	3.1	646.07	94%
119	46,712	3.08	649.15	94%
27	59,711	3.03	652.18	95%
143	48,041	3.02	655.2	95%
13	54,190	3	658.2	96%
122	45,247	2.8	661	96%
15	55,063	2.7	663.7	96%
129	46,067	2.7	666.4	97%
113	31,853	2.68	669.08	97%
236	41,876	2.66	671.74	98%
115	52,538	2.6	674.34	98%
249	52,520	2.59	676.93	98%
250	47,494	2.53	679.46	99%
84	48,990	2.31	681.77	99%
247	50,770	2.25	684.02	99%
31	55,775	2.2	686.22	100%
3	50,019	2.03	688.25	100%

Note: The row of the actual cell tested in this table (Grid Cell ID Number 6) is highlighted in blue. The originally selected cell (28, highlighted in yellow) was not safely accessible during this test event.

Table 3.4 Summary of Membrane/Soil Cover Interface Area Cell Sorted Integrated Grid Data (July 6, 2026) (ppmv FID as methane); All Cells.

Grid	Surface Area (ft2)	Integrated FID Value (7/6)	Cumulative Integrated Value	Fraction of Total
36	60,138	20.35	20.35	14%
57	58,263	8.6	28.95	21%
63	57,567	8.11	37.06	26%
65	58,090	8.11	45.17	32%
58	46,507	7.94	53.11	38%
38	60,634	7.67	60.78	43%
62	60,736	7.11	67.89	48%
64	51,169	6.98	74.87	53%
149	56,413	6.23	81.1	58%
215	40,916	6.18	87.28	62%
82	42,779	6.11	93.39	66%
32	55,304	5.76	99.15	70%
212	58,054	5.21	104.36	74%
155	44,022	4.86	109.22	78%
163	50,009	4.8	114.02	81%
40	56,878	4.6	118.62	84%
211	59,725	4.53	123.15	88%
164	61,548	4.21	127.36	90%
160	66,546	3.56	130.92	93%
90	53,791	3.5	134.42	96%
42	57,899	3.2	137.62	98%
209	60,969	3.11	140.73	100%

Note: The rows of the actual cells tested in this table (Grid Cell ID Numbers 36, 62, and 40) are highlighted in yellow. The cells representing the 'medium' area are highlighted in blue.

Table 3.5 Summary of Membrane Area Cell Sorted Integrated Grid Data (July 6, 2026) (ppmv FID as methane); All Cells.

Grid	Surface Area (ft2)	Integrated FID Value (7/6)	Cumulative Integrated Value	Fraction of Total
185	50,993	14.8	14.8	3%
182	52,362	13.23	28.03	6%
176	52,356	13.22	41.25	9%
183	54,617	12.31	53.56	12%
180	51,775	12.16	65.72	14%
173	49,960	12.12	77.84	17%
201	47,960	12.11	89.95	20%
200	46,964	12.07	102.02	22%
187	47,666	10.21	112.23	25%
184	51,245	10.14	122.37	27%
188	50,699	9.87	132.24	29%
56	61,386	9.2	141.44	31%
189	49,163	9.18	150.62	33%
190	44,958	8.92	159.54	35%
191	44,606	8.75	168.29	37%
71	43,736	8.69	176.98	39%
192	40,754	8.43	185.41	41%
186	46,611	7.64	193.05	42%
193	38,070	7.53	200.58	44%
55	58,851	7.3	207.88	46%
54	53,298	6.9	214.78	47%
77	99,941	6.78	221.56	49%
80	46,342	6.7	228.26	50%
69	52,221	6.6	234.86	52%
158	49,522	6.37	241.23	53%
154	54,536	6.31	247.54	54%
159	56,972	6.25	253.79	56%
171	49,687	6.25	260.04	57%
78	82,334	6.23	266.27	58%
73	55,815	6.2	272.47	60%
166	56,594	6.19	278.66	61%
59	53,384	6.18	284.84	63%
61	58,640	6.15	290.99	64%
70	55,632	6.1	297.09	65%
153	45,864	6.04	303.13	67%
53	60,197	5.93	309.06	68%
170	55,737	5.91	314.97	69%
68	47,853	5.9	320.87	70%
167	62,172	5.86	326.73	72%
148	50,546	5.75	332.48	73%
150	70,989	5.72	338.2	74%
165	79,844	5.72	343.92	76%
151	43,622	5.68	349.6	77%
75	51,225	5.67	355.27	78%
210	62,428	5.65	360.92	79%
81	48,343	5.57	366.49	81%
79	87,028	5.54	372.03	82%
177	47,454	5.45	377.48	83%
72	59,809	5.4	382.88	84%
76	48,758	5.33	388.21	85%
146	45,166	5.3	393.51	86%
67	47,130	5.25	398.76	88%
179	48,176	5.16	403.92	89%
157	45,578	4.98	408.9	90%
74	50,957	4.96	413.86	91%
178	50,014	4.93	418.79	92%
147	45,961	4.6	423.39	93%
66	45,494	4.3	427.69	94%
152	42,032	4.3	431.99	95%
156	47,581	4.2	436.19	96%
203	51,487	3.49	439.68	97%
202	45,736	3.08	442.76	97%
169	54,459	2.95	445.71	98%
168	59,314	2.68	448.39	98%
204	54,296	2.4	450.79	99%
208	70,031	2.25	453.04	100%
206	61,365	2.22	455.26	100%

Note: The rows of the target cells in this table (Grid Cell ID Numbers 177, 80, and 173) are highlighted in yellow. Cell 69 was tested instead of cell 80 due to access safety concerns. The 'medium' cells are highlighted in blue.

Table 3.6 Summary of Anomalous Cell Sorted Integrated Grid Data (July 6, 2026) (ppmv FID as methane); All Cells.

Grid	Surface Area (ft2)	Integrated FID Value (7/6)	Cumulative Integrated Value	Fraction of Total
240	48,923	11.97	11.97	12%
48	55,467	9.35	21.32	21%
47	56,104	9.14	30.46	30%
242	45,188	8.59	39.05	38%
241	49,029	8.41	47.46	46%
43	55,491	7.86	55.32	54%
239	49,597	7.22	62.54	61%
92	47,660	6.97	69.51	68%
87	58,663	5.83	75.34	73%
172	44,946	5.47	80.81	79%
52	55,676	5.3	86.11	84%
238	31,614	4.8	90.91	88%
41	58,579	4.2	95.11	92%
245	39,969	2.96	98.07	95%
246	49,934	2.58	100.65	98%
248	42,748	2.23	102.88	100%

Note: The rows of the target cells in this table (Grid Cell ID Numbers 48, 241 and 52) are highlighted in yellow. Cell 240 was tested instead of cell 48 due to access concerns. The 'medium' cells are highlighted in blue.

Table 3.7 Summary of Exceedance Area Cell Sorted Integrated Grid Data (July 6, 2026) (ppmv FID as methane); All Cells.

Grid	Surface Area (ft2)	Integrated FID Value (7/6)	Cumulative Integrated Value	Fraction of Total
33	50,273	19.95	19.95	28%
175	50,430	12.42	32.37	45%
181	49,379	12.42	44.79	63%
174	48,344	11.79	56.58	80%
37	57,548	8.44	65.02	91%
60	58,550	6.14	71.16	100%

Note: There were no SEM exceedance cells for this test event. These cells were selected based on drone data. The row of the actual cell tested in this table (Grid Cell ID Number 175) is highlighted in yellow.

Las celdas de prueba de la zona no reactiva (consulte las Tablas 3.1 a 3.3) fueron seleccionadas inicialmente organizando los datos integrados del SEM por promedio (Columna 3) y dividiendo los datos resultantes en tres categorías: emisiones altas, emisiones medias y emisiones bajas. Desde allí, se seleccionaron inicialmente la(s) celda(s) promedio de cada grupo para realizar las pruebas. Estas celdas están resaltadas en amarillo en las Tablas 3.1 a 3.3 de arriba.

Se utilizó un proceso similar para seleccionar celdas de prueba en las otras áreas (consulte las Tablas 3.4 a 3.7). Se seleccionó una celda de la cuadrícula para probarla desde el área de excedencias. Se evaluó el Vertedero para realizar la selección final de celdas cada mañana de este evento de pruebas. Este proceso de selección final fue necesario para verificar si se podía acceder a una celda seleccionada para probarla o si no era representativa. Por ejemplo, para este evento de prueba, inicialmente se seleccionó la celda 28 para analizarla, pero más adelante se identificó como no apropiada para análisis (debido a una actividad de construcción en la celda de la cuadrícula) y se reemplazó por la celda 6. Se debe tener en cuenta que, si bien puede evaluarse cualquier celda y prorratearse utilizando esta metodología, se utilizaron las celdas de emisiones promedio porque deberían dar los resultados más exactos.

Cómo Seleccionar Puntos de Prueba en una Celda

Utilizando banderas de señalización, se recorrió la ruta en forma de serpentina indicada en la Regla 1150.1 en una celda y se anotaron periódicamente las lecturas del detector de ionización de llama (FID) en las banderas plantadas y en los formularios de datos de monitoreo de campo incluidos en el Apéndice 2.

Se tomaron muestras de la cámara de flujo en los siguientes lugares objetivo:

1. Emisiones Más Altas - Lectura de FID pico en el recorrido en serpentina.
2. Emisiones Altas - Punto medio del 10% de las lecturas más altas.
3. Emisiones Medias - Punto medio del siguiente 40% de las lecturas.
4. Emisiones Bajas - Punto medio de la mitad más baja de las lecturas.

La Tabla 3.8 muestra las celdas de la cuadrícula de prueba seleccionadas junto con sus métricas de área. Para la mayoría de los eventos de prueba, hay celdas que no se monitorean debido a conflictos operativos y a condiciones de alto peligro. Para estas celdas que no pasan por un evento de SEM, su área de superficie se muestra en la línea “Área Sin SEM” cerca de la parte inferior de la Tabla 3.8 y se suma en la categoría “Área Sin SEM”.

Tabla 3.8 Métricas del Área de las Celdas de la Cuadrícula de Prueba Seleccionadas.

		Rep.	Rep. del Área	
Categoría	**Subconjunto**	**Celda**	**(pies²)**	**(m²)**
Zona de Excedencias		175	314,524	29,220
Anómalas	Alto	240	160,494	14,910
Anómalas	Medio	241	199,305	18,516
Anómalas	Bajo	52	429,789	39,929
Membrana	Alto	173	617,983	57,413
Membrana	Medio	69	1,136,035	105,541
Membrana	Bajo	177	1,842,278	171,153
Interfaz	Alto	36	175,968	16,348
Interfaz	Medio	62	374,465	34,789
Interfaz	Bajo	40	667,524	62,015
Zona No Reactiva	Alto	96	1,146,284	106,493
Zona No Reactiva	Medio	220	1,894,101	175,968
Zona No Reactiva	Bajo	6	3,035,802	282,035
Área No SEM			910,742	84,611
Total			**12,905,294**	**1,198,941**

4. Resultados de la Toma de Muestras

Todas las muestras del Octavo Evento de Prueba se tomaron del 20 al 24 de julio de 2026. La Tabla 4.1 presenta datos de las muestras para los compuestos clave: metano y VOCs (TNMHC). En el Adjunto 1 se proporcionan los datos completos con comentarios de aseguramiento de la calidad/control de calidad (QA/QC) y los cálculos (**Memorándum Técnico de Validación de Datos** (DVTM)). La ubicación 1 representa la medición de la cuadrícula de emisiones bajas, la ubicación 2 representa la medición de la cuadrícula de emisiones medias, la ubicación 3 representa la medición de la cuadrícula de emisiones medias y la ubicación 4 representa la medición de la cuadrícula de emisiones más altas.

La Tabla 4.2 muestra el flujo calculado para los compuestos de TO-15 que fueron detectados por lo menos una vez en el set de datos. Las no detecciones se asumieron como valores de MDL/2.

Las Tablas 4.3 y 4.4 muestran los resultados de TO-14 y ORS (Método 307-91 del SCAQMD), respectivamente. La lista completa de todos los compuestos objetivo se encuentra en el DVTM. Las concentraciones de compuestos identificados tentativamente (TIC) se muestran en los informes del laboratorio proporcionados en el Apéndice C del Adjunto 2.

Table 4.1 Summary of Sampling Results.

Test Site	Grid Category	LOC	TO-15	SRS	Carbon Dioxide		Methane		H2		TO-12 TNMHC C1		1,1-DFA	1,1-DFA Std.	Total Flow	Carbon Dioxide	Methane	TNMHC
			ID	ID a,b	(ppmv)	(mg/m3)	(ppmv)	(mg/m3)	(ppmv)		(ppbv)	(ug/m3)	(ppbv)	(ppbv)	(m3/min)	Flux	Flux	Flux
Grid Cell 175	Exceedance Area	1	T-101	S-101	ND U	124 U	ND U	0.2 U	ND U		95 J	60 J	189.69	203	0.005	5.1 U	0.0093 U	0.0025 J
"	Exceedance Area	2	T-102	S-102	ND U	123 U	ND U	0.2 U	ND U		52 J	33 J	222.96	203	0.005	4.3 U	0.0079 U	0.0011 J
"	Exceedance Area	3	T-103	S-103	ND U	116 U	ND U	0.2 U	ND U		329	208	212.39	208	0.005	4.4 U	0.0080 U	0.0078
"	Exceedance Area	4	T-104	S-104	ND U	134 U	ND U	0.2 U	ND U		381	243	216.60	208	0.005	5.0 U	0.0091 U	0.0090
Grid Cell 173	Membrane	1	T-105	S-105	ND U	129 U	ND U	0.2 U	ND U		356	223	214.86	203	0.005	4.7 U	0.0085 U	0.0081
"	Membrane	2	T-106	S-106	ND U	128 U	1.0 J	0.6 J	ND U		231	145	220.29	203	0.005	4.5 U	0.0220 J	0.0051
"	Membrane	3	T-107	S-107	ND U	114 U	2.0 J	1.2 J	ND U		246	154	216.00	208	0.005	4.2 U	0.0458 J	0.0057
"	Membrane	4	T-108	S-108	ND U	101 U	1.5 J	0.9 J	ND U		133 J	83 J	161.74	208	0.006	5.0 U	0.0454 J	0.0041 J
Grid Cell 177	Membrane	1	T-109	S-109	ND U	126 U	ND U	0.2 U	ND U		580	352	166.08	203	0.006	5.9 U	0.0107 U	0.0166
"	Membrane	2	T-110	S-110	613	1,030	0.8 J	0.5 J	ND U		231	141	214.10	208	0.005	38	0.0178 J	0.0053
"	Membrane	3	T-111	S-111	ND U	133 U	ND U	0.2 U	ND U		91 J	56 J	147.65	208	0.007	7.2 U	0.0131 U	0.0030 J
"	Membrane	4	T-112	S-112	ND U	108 U	0.7 J	0.4 J	ND U		445	266	205.58	203	0.005	4.1 U	0.0157 J	0.0101
Replicate	Membrane	4	T-113	S-113	ND U	126 U	ND U	0.2 U	ND U		551	329	193.06	208	0.005	5.2 U	0.0095 U	0.0136
Media Blank	NA	NA	S-114	S-114	ND U	112 U	ND U	0.2 U	ND U		ND U	15 U	210.29	208	0.005	4.3 U	0.0077 U	0.0006 U
Grid Cell 241	Anomalous	1	T-201	S-201	783	1,372	20.1	13	ND U		416	265	215.97	208	0.005	51	0.4738	0.0098
"	Anomalous	2	T-202	S-202	ND U	112 U	1.5 J	1.0 J	ND U		91 J	58 J	200.92	208	0.005	4.4 U	0.0385 J	0.0023 J
"	Anomalous	3	T-203	S-203	1,271	2,228	92	59	ND U		102 J	65 J	181.50	203	0.006	96	2.53	0.0028 J
"	Anomalous	4	T-204	S-204	29,004	50,198	35,720	22,481	ND U		28,530	17,955	201.67	203	0.005	1,943	870.4	0.6951
Grid Cell 240	Anomalous	1	T-205	S-205	1,243	2,084	15	9	ND U		325	198	143.34	203	0.007	114	0.4951	0.0108
"	Anomalous	2	T-206	S-206	929	1,536	5	3.0	ND U		411	247	136.38	208	0.008	90	0.1746	0.0145
"	Anomalous	3	T-207	S-207	2,375	3,894	347	207	ND U		398	237	112.73	208	0.009	276	14.7	0.0168
"	Anomalous	4	T-208	S-208	5,830	9,691	5,950	3,597	ND U		11,147	6,738	96.03	203	0.011	788	292.4	0.5478
Grid Cell 52	Anomalous	1	T-209	S-209	733	1,218	4	2.7	ND U		420	254	118.09	203	0.009	81	0.1782	0.0168
	Anomalous	2	T-210	S-210	1,154	1,860	8	4.5	ND U		209	123	104.95	208	0.010	142	0.3450	0.0094
	Anomalous	3	T-211	S-211	886	1,458	4	2.6	ND U		111 J	67 J	98.94	203	0.010	115	0.2049	0.0053 J
	Anomalous	4	T-212	S-212	5,988	9,638	2,758	1,614	ND U		7,303	4,274	166.87	208	0.006	462	77.4	0.2049
Replicate	Anomalous	4	T-213	S-213	6,726	10,826	2,879	1,685	ND U		6,125	3,585	166.04	208	0.006	522	81.2	0.1727
Media Blank	NA	NA	T-214	S-214	ND U	114 U	1 J	0.7 J	ND U		ND U	15 U	190.67	208	0.005	4.8 U	0.0311 J	0.0006 U
Grid Cell 69	Membrane	1	T-301	S-301	ND U	121 U	ND U	0.2 U	ND U		190	122	220.40	208	0.005	4.4 U	0.0080 U	0.0044
"	Membrane	2	T-302	S-302	ND U	130 U	ND U	0.2 U	ND U		76 J	49 J	160.61	208	0.006	6.5 U	0.0118 U	0.0024 J
"	Membrane	3	T-303	S-303	ND U	116 U	ND U	0.2 U	ND U		74 J	48 J	145.80	203	0.007	6.2 U	0.0113 U	0.0026 J
"	Membrane	4	T-304	S-304	757	1,337	1.0 J	0.6 J	ND U		1,714	1,100	133.44	203	0.008	78	0.0364 J	0.0644
Lay Down Yard	Lay Down Yard	1	T-305	S-305	743	1,259	2.7	1.6	ND U		789	486	171.87	208	0.006	59	0.0763	0.0226
"	Lay Down Yard	2	T-306	S-306	3,206	5,441	732	452	ND U		562	347	172.22	203	0.006	247	20.5	0.0157
"	Lay Down Yard	3	T-307	S-307	3,278	5,573	1,384	856	ND U		145	90	147.76	203	0.007	295	45.2	0.0047
"	Lay Down Yard	4	T-308	S-308	28,629	49,460	21,376	13,429	ND U		5,065	3,182	184.51	208	0.006	2,145	582.2	0.1380
Road	Road	1	T-309	S-309	664	1,127	1.0 J	0.6 J	ND U		273	169	138.82	203	0.005	43	0.0242 J	0.0065
"	Road	2	T-310	S-310	ND U	114 U	ND U	0.2 U	ND U		231	141	142.99	208	0.007	6.4 U	0.0116 U	0.0079
"	Road	3	T-311	S-311	ND U	119 U	ND U	0.2 U	ND U		214	132	119.08	203	0.009	7.8 U	0.0142 U	0.0087
"	Road	4	T-312	S-312	ND U	119 U	ND U	0.2 U	ND U		74 J	45 J	166.85	208	0.006	5.7 U	0.0103 U	0.0022 J
Replicate	Road	4	T-313	S-313	ND U	115 U	ND U	0.2 U	ND U		49 J	30 J	199.57	208	0.005	4.6 U	0.0083 U	0.0012 J
Media Blank	NA	NA	T-314	S-314	ND U	122 U	ND U	0.2 U	ND U		ND U	15 U	171.71	203	0.006	5.5 U	0.0101 U	0.0007 U
Grid Cell 36	Interface	1	T-401	S-401	ND U	122 U	ND U	0.2 U	ND U		64 J	40 J	218.09	204	0.005	4.4 U	0.0080 U	0.0015 J
"	Interface	2	T-402	S-402	4,290	7,372	2,610	1,631	ND U		284	178	220.70	212	0.005	272	60.3	0.0066
"	Interface	3	T-403	S-403	ND U	118 U	ND U	0.2 U	ND U		214	133	191.24	204	0.005	4.8 U	0.0088 U	0.0054
"	Interface	4	T-404	S-404	4,122	7,096	1,977	1,237	ND U		579	363	164.57	212	0.006	352	61.3	0.0180
Grid Cell 40	Interface	1	T-405	S-405	ND U	119 U	ND U	0.2 U	ND U		226	138	187.90	204	0.005	5.0 U	0.0091 U	0.0058
"	Interface	2	T-406	S-406	851	1,417	2.2	1.3	ND U		116 J	70 J	208.90	204	0.005	53	0.0503	0.0026 J
"	Interface	3	T-407	S-407	ND U	122 U	ND U	0.2 U	ND U		117 J	71 J	220.53	212	0.005	4.5 U	0.0081 U	0.0026 J
"	Interface	4	T-408	S-408	2,297	3,933	1,525	949	ND U		342	213	218.39	212	0.005	147	35.5	0.0080
Grid Cell 62	Interface	1	T-409	S-409	ND U	118 U	ND U	0.2 U	ND U		244	148	172.09	212	0.006	5.6 U	0.0102 U	0.0070
"	Interface	2	T-410	S-410	1,055	1,772	75	46	ND U		105 J	64 J	181.75	212	0.006	79	2.1	0.0029 J
"	Interface	3	T-411	S-411	1,693	2,804	363	218	ND U		577	348	145.00	204	0.007	152	11.8	0.0188
"	Interface	4	T-412	S-412	49,270	83,624	34,791	21,473	ND U		14,876	9,181	215.05	204	0.005	3,051	783.4	0.3350
Replicate	Interface	4	T-413	S-413	43,592	73,987	27,019	16,676	ND U		17,583	10,852	216.95	204	0.005	2,676	603.1	0.3925
Media Blank	NA	NA	T-414	S-414	ND U	116 U	3.6	2.3	ND U		85 J	56 J	250.27	212	0.004	3.8 U	0.0764	0.0018 J
Grid Cell 220	Non-Reaction Area	1	T-501	S-501	ND U	123 U	0.9 J	0.6 J	ND U		203	129	137.15	204	0.007	7.0 U	0.0316 J	0.0074
"	Non-Reaction Area	2	T-502	S-502	ND U	116 U	ND U	0.2 U	ND U		128 J	81 J	141.48	204	0.007	6.4 U	0.0117 U	0.0045 J
"	Non-Reaction Area	3	T-503	S-503	1,347	2,331	ND U	0.2 U	ND U		84 J	53 J	194.65	212	0.005	98	0.0094 U	0.0022 J
"	Non-Reaction Area	4	T-504	S-504	1,266	2,172	863	539	ND U		546	341	170.53	212	0.006	104	25.8	0.0163
Grid Cell 96	Non-Reaction Area	1	T-505	S-505	ND U	122 U	0.9 J	0.5 J	ND U		185	110	139.23	204	0.007	6.9 U	0.0298 J	0.0062
"	Non-Reaction Area	2	T-506	S-506	ND U	113 U	ND U	0.2 U	ND U		ND U	13 U	134.82	204	0.008	6.6 U	0.0120 U	0.0008 U
"	Non-Reaction Area	3	T-507	S-507	895 U	1,470 U	43	25	ND U		ND U	13 U	156.92	212	0.007	76 U	1.3214	0.0007 U
"	Non-Reaction Area	4	T-508	S-508	1,383	2,283	861	517	ND U		ND U	14 U	174.81	212	0.006	106	24.1	0.0006 U
Grid Cell 6	Non-Reaction Area	1	T-509	S-509	ND U	116 U	ND U	0.2 U	ND U		73 J	45 J	204.44	204	0.005	4.5 U	0.0081 U	0.0017 J
"	Non-Reaction Area	2	T-510	S-510	ND U	105 U	ND U	0.2 U	ND U		ND U	14 U	180.69	212	0.006	4.7 U	0.0087 U	0.0006 U
"	Non-Reaction Area	3	T-511	S-511	ND U	110 U	ND U	0.2 U	ND U		ND U	14 U	213.88	204	0.005	4.0 U	0.0074 U	0.0005 U
"	Non-Reaction Area	4	T-512	S-512	ND U	120 U	ND U	0.2 U	ND U		79 J	48 J	135.02	212	0.008	7.2 U	0.0131 U	0.0029 J
Replicate	Non-Reaction Area	4	T-513	S-513	ND U	110 U	ND U	0.2 U	ND U		64 J	39 J	158.21	212	0.007	5.7 U	0.0103 U	0.0020 J
Media Blank	NA	NA	T-514	S-514	ND U	129 U	ND U	0.2 U	ND U		ND U	15 U	184.72	212	0.006	5.7 U	0.0103 U	0.0007 U

Note that 1,1-DFA sample data T-406 was replaced with the average sample data for Grid Cell 40.
Flux = mg/m2-min

Table 4.1 Notes: LOC = Location, H2 = Hydrogen, TNMHC = Total Non-Methane Hydrocarbon, CO2 = Carbon Dioxide, mg/m3 = milligram per cubic meter, mg/min = milligram per minute, m3/min = cubic meter per minute, m/min = meters per minute, , ug/m2, min = microgram per square meter per minute, J = quantified data near detection limit, Media Blank = QA/QC data (see DVTM), Flux = mg/m2-min.

Table 4.2a TO-15 Compounds (Flux in mg/m2-min for only compounds with at least one detect).

	Compound	Acetone	Ethanol	Propylene	Methanol	2-Butanone (MEK)	m,p-Xylenes	Toluene	Trichloroethene (TCE)	Tetrahydrofuran	Ethylbenzene	Acrolein	n-Heptane	Isopropyltoluene	Cyclohexane	o-Xylene	Hexane	Chloromethane
	CAS	67-64-1	64-17-5	115-07-1	67-56-1	78-93-3	1330-20-7	108-88-3	79-01-6	109-99-9	100-41-4	107-02-8	142-82-5	99-87-6	110-82-7	95-47-6	110-54-3	74-87-3
Sample ID	MW	58.1	46.1	42.08	32	72.1	106.2	92.1	131.4	72.1	106.2	56.1	100.2	134.2	84.2	106.2	86.2	50.5
T-101		0.00119	<7.53E-05	0.00007	<5.23E-05	0.00051	<3.47E-05	0.00014	<1.07E-05	<1.18E-05	<3.47E-05	0.00018	<3.27E-05	<8.77E-05	<1.38E-05	<3.47E-05	0.00021	0.00030
T-102		0.00218	0.00582	0.00011	<4.42E-05	0.00099	<2.94E-05	<5.09E-05	<9.08E-06	<9.97E-06	<2.94E-05	0.00020	<2.77E-05	<7.42E-05	<1.16E-05	<2.94E-05	0.00029	0.00026
T-103		0.00181	0.00309	0.00007	0.00024	0.00049	<3.16E-05	<5.48E-05	<9.77E-06	<1.07E-05	<3.16E-05	0.00022	<2.98E-05	<7.98E-05	<1.25E-05	<3.16E-05	0.00024	0.00029
T-104		0.00827	0.00502	0.00011	0.00053	0.00523	<3.12E-05	0.00016	<9.67E-06	<1.06E-05	<3.12E-05	0.00044	<2.95E-05	0.00037	<1.24E-05	<3.12E-05	0.00022	0.00030
T-105		0.00152	0.00164	0.00008	0.00015	0.00074	0.00014	0.00012	<9.36E-06	<1.03E-05	0.00011	0.00028	<2.85E-05	0.00023	<1.20E-05	<3.03E-05	0.00210	0.00026
T-106		0.00141	0.01687	0.00013	<4.44E-05	<2.00E-05	0.00039	0.00039	<9.11E-06	<1.00E-05	0.00017	<1.56E-05	<2.78E-05	0.00041	<1.17E-05	0.00013	0.00457	0.00027
T-107		0.00093	0.00215	0.00008	<4.65E-05	<2.09E-05	0.00095	0.00148	<9.54E-06	0.00019	0.00061	<1.63E-05	<2.91E-05	0.00050	<1.22E-05	0.00024	0.00556	0.00027
T-108		0.00129	0.00174	0.00038	0.00026	<2.78E-05	0.00012	0.00026	<1.27E-05	<1.39E-05	<4.10E-05	0.00040	<3.86E-05	<1.04E-04	<1.62E-05	<4.10E-05	0.00663	0.00038
T-109		0.00114	0.00417	0.00009	0.00025	<2.57E-05	0.00129	0.00064	<1.17E-05	0.00023	0.00119	0.00051	<3.58E-05	0.00657	<1.50E-05	0.00064	0.00812	0.00033
T-110		0.00057	0.00367	0.00006	0.00021	<2.06E-05	0.00017	<5.25E-05	<9.37E-06	<1.03E-05	0.00015	0.00018	<2.86E-05	0.00070	<1.20E-05	<3.03E-05	0.00026	0.00026
T-111		0.00315	0.00232	<1.74E-05	<6.62E-05	0.00133	<4.39E-05	<7.62E-05	<1.36E-05	<1.49E-05	<4.39E-05	0.00023	<4.14E-05	<1.11E-04	<1.74E-05	<4.39E-05	0.00028	0.00036
T-112		0.00060	0.00302	<1.19E-05	0.00026	<2.04E-05	0.00073	0.00045	<9.31E-06	0.00020	0.00074	0.00016	<2.84E-05	0.00269	<1.19E-05	0.00040	0.00025	<2.15E-05
T-113		0.00069	0.00336	<1.30E-05	0.00024	<2.23E-05	0.00086	0.00042	<1.02E-05	0.00018	0.00074	0.00019	<3.10E-05	0.00323	<1.30E-05	0.00041	0.00020	<2.34E-05
T-114		<9.07E-05	<7.20E-05	0.00006	<4.99E-05	<2.25E-05	<3.32E-05	<5.75E-05	<1.03E-05	<1.13E-05	<3.32E-05	<1.75E-05	<3.13E-05	<8.38E-05	<1.31E-05	<3.32E-05	0.00012	<2.36E-05
T-201		0.00150	0.00379	0.00010	0.00048	0.00091	<3.13E-05	<5.44E-05	<9.69E-06	<1.06E-05	<3.13E-05	0.00033	<2.96E-05	<7.92E-05	<1.24E-05	<3.13E-05	<2.54E-05	0.00009
T-202		0.00205	0.00320	0.00015	0.00081	0.00080	<3.38E-05	0.00015	<1.05E-05	<1.15E-05	<3.38E-05	0.00041	<3.19E-05	<8.55E-05	<1.34E-05	<3.38E-05	<2.74E-05	0.00009
T-203		0.00250	0.00220	0.00014	0.00074	0.00031	<3.64E-05	0.00016	<1.13E-05	<1.24E-05	<3.64E-05	0.00023	<3.43E-05	<9.20E-05	<1.44E-05	<3.64E-05	<2.95E-05	0.00015
T-204		0.01824	0.00170	0.01894	0.01541	0.01990	0.03791	0.03502	0.00202	0.08106	0.02925	0.00458	0.02795	0.04218	0.00922	0.02822	0.00537	0.01390
T-205		0.02508	0.00990	0.00106	0.00138	0.00265	0.00067	0.00062	<1.36E-05	0.00040	0.00047	0.00034	<4.16E-05	0.00494	<1.75E-05	0.00038	<3.58E-05	0.00087
T-206		0.00853	0.01052	0.00371	<7.05E-05	0.00291	0.00575	0.00642	<1.45E-05	0.00219	0.00386	0.00246	0.00084	0.01624	0.00030	0.00194	0.00021	0.00327
T-207		0.01214	0.01152	0.00051	0.01607	0.00137	0.00088	0.00037	<1.74E-05	<1.91E-05	0.00078	0.00157	<5.30E-05	0.00312	<2.23E-05	0.00068	<4.56E-05	0.00099
T-208		0.01007	0.00123	0.02938	0.00042	<4.43E-05	0.04146	0.02634	0.00107	0.00383	0.03100	<3.45E-05	0.00128	0.04087	0.00043	0.01468	0.00052	0.00364
T-209		0.00137	<1.15E-04	<2.10E-05	<7.99E-05	0.00075	<5.31E-05	<9.20E-05	<1.64E-05	<1.80E-05	<5.31E-05	0.00023	<5.01E-05	<1.34E-04	<2.10E-05	<5.31E-05	<4.31E-05	0.00030
T-210		0.00419	0.00252	0.00022	0.01184	<4.03E-05	<5.93E-05	<1.03E-04	<1.84E-05	<2.01E-05	<5.93E-05	0.00096	<5.60E-05	<1.50E-04	<2.35E-05	<5.93E-05	<4.82E-05	0.00047
T-211		0.00192	0.00033	0.00021	0.00096	0.00047	<6.27E-05	<1.09E-04	<1.94E-05	<2.13E-05	<6.27E-05	0.00051	<5.91E-05	0.00051	<2.48E-05	<6.27E-05	<5.09E-05	0.00034
T-212		0.00813	0.00188	0.00198	0.00604	0.00113	0.02021	0.01298	0.00051	<1.26E-05	0.01664	0.00098	0.00081	0.00676	0.00037	0.01523	0.00039	0.00093
T-213		0.00809	0.00243	0.00210	0.00608	0.00130	0.02035	0.01375	0.00056	<1.27E-05	0.01703	0.00087	0.00092	0.00675	0.00043	0.01569	0.00038	0.00093
T-214		<1.00E-04	<7.94E-05	0.00006	<5.51E-05	<2.48E-05	<3.66E-05	<6.34E-05	<1.13E-05	<1.24E-05	<3.66E-05	<1.93E-05	<3.45E-05	<9.24E-05	<1.45E-05	<3.66E-05	<2.97E-05	<2.61E-05
T-301		0.00123	0.00224	0.00012	0.00013	0.00048	<3.08E-05	<5.35E-05	<9.53E-06	<1.05E-05	<3.08E-05	0.00015	<2.91E-05	<7.79E-05	<1.22E-05	<3.08E-05	<2.50E-05	0.00007
T-302		0.00069	0.00219	0.00009	<6.37E-05	<2.87E-05	<4.23E-05	<7.34E-05	<1.31E-05	<1.44E-05	<4.23E-05	0.00011	<3.99E-05	<1.07E-04	<1.68E-05	<4.23E-05	<3.43E-05	<3.02E-05
T-303		0.00110	0.00236	0.00014	0.00030	0.00022	<4.61E-05	<7.99E-05	<1.42E-05	<1.56E-05	<4.61E-05	0.00032	<4.35E-05	<1.16E-04	<1.83E-05	<4.61E-05	0.00031	0.00020
T-304		0.00181	0.00054	0.00015	0.00018	0.00060	<4.99E-05	<8.65E-05	<1.54E-05	<1.69E-05	<4.99E-05	0.00024	<4.71E-05	<1.26E-04	<1.98E-05	<4.99E-05	0.00021	0.00014
T-305		0.00188	0.00127	0.00013	0.00050	0.00087	<3.81E-05	<6.60E-05	<1.18E-05	<1.29E-05	<3.81E-05	0.00024	<3.59E-05	<9.62E-05	<1.51E-05	<3.81E-05	0.00017	0.00013
T-306		0.00749	0.00116	0.00035	0.00179	0.00206	0.00019	<6.44E-05	<1.15E-05	<1.26E-05	<3.71E-05	0.00069	<3.50E-05	<9.39E-05	<1.47E-05	<3.71E-05	0.00016	0.00031
T-307		0.00116	0.00249	0.00042	0.00056	0.00024	<4.34E-05	<7.52E-05	<1.34E-05	<1.47E-05	<4.34E-05	0.00032	<4.09E-05	<1.10E-04	<1.72E-05	<4.34E-05	0.00014	0.00014
T-308		0.00546	0.00304	0.01288	0.00142	<2.45E-05	0.00492	0.00544	0.00166	<1.23E-05	0.00432	0.00739	0.01033	0.00061	0.01007	0.00155	0.00725	0.00102
T-309		0.00078	<6.84E-05	0.00066	<4.75E-05	0.00071	0.00016	0.00019	<9.75E-06	<1.07E-05	0.00019	0.00031	0.00016	<7.96E-05	0.00017	0.00011	0.00014	0.00009
T-310		0.01699	0.01127	0.00024	<6.82E-05	0.01482	<4.53E-05	<7.85E-05	<1.40E-05	<1.54E-05	<4.53E-05	0.00098	<4.27E-05	<1.14E-04	<1.80E-05	<4.53E-05	0.00022	0.00021
T-311		0.00183	0.03291	0.00015	<8.11E-05	0.00091	<5.38E-05	<9.33E-05	<1.66E-05	<1.83E-05	<5.38E-05	0.00061	<5.08E-05	<1.36E-04	<2.13E-05	<5.38E-05	0.00012	0.00021
T-312		0.00326	0.00646	0.00013	0.00034	0.00190	<3.89E-05	<6.75E-05	<1.20E-05	<1.32E-05	<3.89E-05	0.00065	<3.67E-05	<9.84E-05	<1.54E-05	<3.89E-05	0.00013	0.00016
T-313		0.00278	0.01028	0.00020	0.00040	0.00124	<3.26E-05	<5.65E-05	<1.01E-05	<1.11E-05	<3.26E-05	0.00079	<3.07E-05	<8.23E-05	<1.29E-05	<3.26E-05	0.00018	0.00022
T-314		0.00024	<8.60E-05	0.00004	<5.97E-05	<2.69E-05	<3.96E-05	<6.87E-05	<1.23E-05	<1.35E-05	<3.96E-05	<2.09E-05	<3.74E-05	<1.00E-04	<1.57E-05	<3.96E-05	<3.22E-05	<2.83E-05
T-401		0.00235	0.00496	0.00025	0.00083	0.00046	<3.03E-05	<5.25E-05	0.01953	<1.03E-05	<3.03E-05	0.00044	<2.86E-05	<7.65E-05	<1.20E-05	<3.03E-05	<2.46E-05	0.00017
T-402		0.00077	0.00162	0.00031	0.00025	0.00017	<3.06E-05	<5.32E-05	<9.48E-06	<1.04E-05	<3.06E-05	0.00027	<2.89E-05	<7.75E-05	0.00013	<3.06E-05	<2.49E-05	0.00011
T-403		0.00064	0.00115	0.00012	0.00013	0.00022	<3.37E-05	<5.85E-05	0.01622	<1.15E-05	<3.37E-05	<1.78E-05	<3.18E-05	<8.53E-05	<1.34E-05	<3.37E-05	<2.74E-05	<2.41E-05
T-404		0.00151	0.00248	0.00127	0.00066	0.00047	0.00042	0.00043	<1.27E-05	<1.40E-05	<4.12E-05	0.00061	0.00018	<1.04E-04	0.00050	0.00019	0.00021	0.00014
T-405		0.00095	0.00133	0.00008	0.00019	<2.30E-05	<3.39E-05	<5.88E-05	0.01600	<1.15E-05	<3.39E-05	0.00012	<3.20E-05	<8.57E-05	<1.34E-05	<3.39E-05	<2.75E-05	0.00006
T-406		0.41786	0.36489	0.01580	0.07818	0.06145	0.01601	<5.67E-03	<1.01E-03	0.05258	0.01389	0.05601	<3.08E-03	<8.26E-03	<1.30E-03	0.01470	<2.65E-03	0.01810
T-407		0.00142	0.00071	0.00006	0.00011	0.00080	<2.99E-05	<5.19E-05	<9.26E-06	<1.02E-05	<2.99E-05	0.00017	<2.82E-05	<7.56E-05	<1.19E-05	<2.99E-05	<2.43E-05	<2.13E-05
T-408		0.00359	0.00075	0.00097	0.00084	0.00141	0.00013	0.00018	<9.55E-06	0.00131	0.00011	0.00089	<2.91E-05	0.00019	0.00040	0.00009	0.00019	0.00025
T-409		0.00176	0.00138	0.00017	0.00026	0.00054	<3.83E-05	<6.64E-05	0.01949	<1.30E-05	<3.83E-05	0.00028	<3.61E-05	<9.67E-05	<1.52E-05	<3.83E-05	<3.11E-05	0.00011
T-410		0.00350	0.01670	0.00018	0.00115	0.00067	<3.64E-05	0.00014	0.00050	<1.23E-05	<3.64E-05	0.00058	<3.43E-05	<9.19E-05	<1.44E-05	0.00020	0.00032	<2.59E-05
T-411		0.01682	0.01708	0.00025	0.00097	0.01342	<4.33E-05	<7.50E-05	0.01804	<1.47E-05	<4.33E-05	0.00071	<4.08E-05	<1.09E-04	<1.72E-05	<4.33E-05	0.00053	0.00026
T-412		0.15665	0.00722	0.05274	0.00185	0.02801	0.01835	0.01889	0.00433	<1.01E-05	0.01571	0.01029	0.02284	0.00333	0.02435	0.00624	0.00738	<2.13E-05
T-413		0.01776	0.00798	0.01547	0.00243	0.00614	0.01476	0.01523	0.00309	<1.01E-05	0.01266	0.01027	0.02685	0.00261	0.01701	0.00515	0.01274	<2.11E-05
T-414		0.00032	<6.16E-05	0.00005	<4.28E-05	<1.93E-05	<2.84E-05	<4.92E-05	<8.78E-06	<9.64E-06	<2.84E-05	<1.50E-05	<2.68E-05	<7.18E-05	<1.13E-05	<2.84E-05	<2.30E-05	<2.03E-05
T-501		0.00088	0.00346	0.00010	0.00023	<3.27E-05	<4.82E-05	<8.37E-05	0.01230	<1.64E-05	<4.82E-05	0.00027	<4.55E-05	<1.22E-04	<1.91E-05	<4.82E-05	<3.91E-05	<3.44E-05
T-502		0.00110	0.00549	0.00011	0.00032	<3.15E-05	<4.64E-05	<8.05E-05	0.01518	<1.58E-05	<4.64E-05	0.00017	<4.38E-05	<1.17E-04	<1.84E-05	<4.64E-05	<3.77E-05	<3.31E-05
T-503		0.00146	0.00168	0.00013	0.00100	0.00025	<3.50E-05	<6.07E-05	0.00020	<1.19E-05	<3.50E-05	0.00042	<3.30E-05	<8.85E-05	<1.39E-05	<3.50E-05	<2.84E-05	0.00012
T-504		0.00490	0.00172	0.00170	0.00124	0.00259	0.00029	0.00023	0.00024	0.00139	0.00017	0.00105	<3.74E-05	0.00108	0.00058	0.00020	0.00050	0.00041
T-505		0.00242	0.00107	0.00025	0.00514	0.00041	<4.45E-05	0.00023	0.01586	<1.51E-05	<4.45E-05	0.00071	<4.19E-05	<1.12E-04	<1.76E-05	<4.45E-05	0.00039	0.00025
T-506		0.00778	0.00059	0.00025	0.00577	0.00174	<4.61E-05	<8.00E-05	0.01229	<1.57E-05	<4.61E-05	0.00084	<4.35E-05	<1.17E-04	<1.83E-05	<4.61E-05	0.00023	0.00026
T-507		0.00475	0.00135	0.00037	0.00809	0.00081	<4.12E-05	<7.15E-05	<1.27E-05	<1.40E-05	<4.12E-05	0.00133	<3.89E-05	<1.04E-04	<1.63E-05	<4.12E-05	<3.34E-05	0.00029
T-508		0.00348	0.00028	0.00026	0.00061	0.00038	<3.72E-05	<6.45E-05	<1.15E-05	<1.26E-05	<3.72E-05	0.00046	<3.51E-05	<9.39E-05	<1.47E-05	<3.72E-05	<3.02E-05	0.00012
T-509		0.00122	<6.78E-05	0.00006	<4.70E-05	0.00041	<3.12E-05	<5.42E-05	0.01636	<1.06E-05	<3.12E-05	<1.65E-05	<2.95E-05	<7.89E-05	<1.24E-05	<3.12E-05	<2.53E-05	0.00006
T-510		0.00316	<7.91E-05	0.00013	0.00023	0.00217	<3.65E-05	<6.32E-05	<1.13E-05	<1.24E-05	<3.65E-05	0.00028	<3.44E-05	<9.21E-05	<1.45E-05	<3.65E-05	<2.96E-05	<2.60E-05
T-511		0.00108	<6.48E-05	0.00012	<4.50E-05	<2.03E-05	<2.98E-05	<5.18E-05	0.01289	<1.01E-05	<2.98E-05	0.00018	<2.82E-05	<7.54E-05	<1.18E-05	<2.98E-05	<2.42E-05	<2.13E-05
T-512		0.00119	0.00808	0.00015	0.00068	0.00047	<4.85E-05	<8.40E-05	<1.50E-05	<1.64E-05	<4.85E-05	0.00018	<4.57E-05	<1.22E-04	<1.92E-05	<4.85E-05	<3.93E-05	0.00016
T-513		0.00155	0.00664	0.00011	0.00044	0.00034	<4.14E-05	<7.17E-05	<1.28E-05	<1.40E-05	<4.14E-05	0.00029	<3.90E-05	<1.05E-04	<1.64E-05	<4.14E-05	<3.36E-05	0.00012
T-514		0.00021	<8.35E-05	<1.52E-05	<5.80E-05	<2.61E-05	<3.85E-05	<6.67E-05	<1.19E-05	<1.31E-05	<3.85E-05	<2.03E-05	<3.63E-05	0.00021	<1.52E-05	<3.85E-05	<3.12E-05	<2.74E-05

Table 4.2b TO-15 Compounds (Flux in mg/m2-min for only compounds with at least one detect) (cont.).

	Compound	Benzene	4-Ethyltoluene	Nonane	1,2,4-Trimethylbenzene	Bromomethane	Octane	Decane	2-Hexanone	Isopropylbenzene	4-Methyl-2-pentanone (MIBK)	1,2-Dichloroethane	Naphthalene	1,3,5-Trimethylbenzene	Tetrachloroethene (PCE)	Carbon disulfide	Chloroform	2-propanol (isopropylalcohol)
	CAS	71-43-2	622-96-8	111-84-2	95-63-6	74-83-9	111-65-9	124-18-5	591-78-6	98-82-8	108-10-1	107-06-2	91-20-3	108-67-8	127-18-4	75-15-0	67-66-3	67-63-0
Sample ID	MW	78.1	120.2	128.3	120.2	94.9	114.2	142.3	100.2	120.2	100.2	99	128.2	120.2	165.8	76.1	119.4	60.1
T-101		0.00022	<7.85E-05	<4.19E-05	<7.85E-05	<3.10E-05	<3.73E-05	<9.30E-05	0.00105	<7.85E-05	<3.27E-05	<1.62E-05	<4.19E-05	<7.85E-05	<1.35E-05	<2.49E-05	<1.95E-05	<3.93E-05
T-102		0.00026	<6.65E-05	<3.55E-05	<6.65E-05	<2.62E-05	<3.16E-05	<7.87E-05	0.00126	<6.65E-05	<2.77E-05	<1.37E-05	<3.54E-05	<6.65E-05	<1.15E-05	<2.10E-05	<1.65E-05	<3.32E-05
T-103		0.00020	<7.15E-05	<3.82E-05	<7.15E-05	<2.82E-05	<3.40E-05	<8.46E-05	0.00054	<7.15E-05	<2.98E-05	<1.47E-05	<3.81E-05	<7.15E-05	<1.23E-05	<2.26E-05	<1.78E-05	<3.57E-05
T-104		0.00020	<7.07E-05	<3.78E-05	<7.07E-05	<2.79E-05	<3.36E-05	<8.37E-05	0.00170	<7.07E-05	0.00029	<1.46E-05	<3.77E-05	<7.07E-05	<1.22E-05	<2.24E-05	<1.76E-05	0.00020
T-105		0.00028	<6.85E-05	<3.65E-05	<6.85E-05	<2.70E-05	<3.25E-05	<8.11E-05	0.00096	<6.85E-05	<2.85E-05	<1.41E-05	<3.65E-05	<6.85E-05	<1.18E-05	<2.17E-05	<1.70E-05	0.00009
T-106		0.00051	<6.67E-05	0.00010	<6.67E-05	<2.63E-05	<3.17E-05	<7.89E-05	0.00018	<6.67E-05	<2.78E-05	<1.37E-05	<3.56E-05	<6.67E-05	<1.15E-05	<2.11E-05	<1.66E-05	<3.33E-05
T-107		0.00109	<6.98E-05	0.00036	<6.98E-05	<2.76E-05	0.00016	0.00034	0.00027	<6.98E-05	<2.91E-05	<1.44E-05	<3.72E-05	<6.98E-05	<1.20E-05	<2.21E-05	<1.73E-05	<3.49E-05
T-108		0.00027	<9.27E-05	<4.95E-05	<9.27E-05	<3.66E-05	<4.40E-05	<1.10E-04	<3.86E-05	<9.27E-05	<3.86E-05	<1.91E-05	<4.94E-05	<9.27E-05	<1.60E-05	<2.93E-05	<2.30E-05	<4.64E-05
T-109		0.00105	0.00092	0.00065	0.00085	<3.39E-05	0.00015	0.00215	<3.58E-05	0.00072	<3.58E-05	<1.77E-05	<4.58E-05	<8.58E-05	<1.48E-05	<2.72E-05	<2.13E-05	<4.29E-05
T-110		0.00026	0.00015	<3.66E-05	<6.86E-05	<2.71E-05	<3.26E-05	0.00022	<2.86E-05	<6.86E-05	<2.86E-05	<1.41E-05	<3.66E-05	<6.86E-05	<1.18E-05	<2.17E-05	<1.70E-05	0.00013
T-111		<1.13E-04	<9.94E-05	<5.31E-05	<9.94E-05	<3.93E-05	<4.72E-05	<1.18E-04	<4.14E-05	<9.94E-05	<4.14E-05	<2.05E-05	<5.30E-05	<9.94E-05	<1.71E-05	<3.15E-05	<2.47E-05	0.00021
T-112		0.00092	0.00063	0.00045	0.00061	<2.69E-05	<3.24E-05	0.00119	<2.84E-05	0.00044	<2.84E-05	<1.40E-05	<3.63E-05	<6.82E-05	<1.18E-05	<2.16E-05	<1.69E-05	<3.41E-05
T-113		0.00081	0.00061	0.00044	0.00058	<2.94E-05	<3.53E-05	0.00129	<3.10E-05	0.00043	<3.10E-05	<1.53E-05	<3.97E-05	<7.44E-05	<1.28E-05	<2.35E-05	<1.85E-05	<3.72E-05
T-114		<8.53E-05	<7.50E-05	<4.00E-05	<7.50E-05	<2.96E-05	<3.56E-05	<8.88E-05	<3.13E-05	<7.50E-05	<3.13E-05	<1.55E-05	<4.00E-05	<7.50E-05	<1.29E-05	<2.38E-05	<1.86E-05	<3.75E-05
T-201		0.00030	<7.09E-05	<3.79E-05	<7.09E-05	<2.80E-05	<3.37E-05	<8.40E-05	0.00160	<7.09E-05	<2.96E-05	<1.46E-05	<3.78E-05	<7.09E-05	<1.22E-05	<2.25E-05	<1.76E-05	<3.55E-05
T-202		0.00023	<7.65E-05	<4.08E-05	<7.65E-05	<3.02E-05	<3.64E-05	<9.06E-05	0.00066	<7.65E-05	<3.19E-05	<1.58E-05	<4.08E-05	<7.65E-05	<1.32E-05	<2.42E-05	<1.90E-05	0.00014
T-203		0.00021	<8.24E-05	<4.40E-05	<8.24E-05	<3.25E-05	<3.91E-05	<9.75E-05	0.00018	<8.24E-05	<3.43E-05	<1.70E-05	<4.39E-05	<8.24E-05	<1.42E-05	<2.61E-05	<2.05E-05	<4.12E-05
T-204		0.00856	0.02834	0.03823	0.02041	0.02146	0.01782	0.02796	<3.05E-05	0.01228	0.01876	0.00979	0.00765	0.01003	0.00734	0.00746	<1.82E-05	0.00068
T-205		0.00030	0.00029	<5.33E-05	<9.98E-05	0.00072	<4.74E-05	<1.18E-04	<4.16E-05	<9.98E-05	<4.16E-05	<2.05E-05	0.00988	<9.98E-05	<1.72E-05	<3.16E-05	0.00044	<4.99E-05
T-206		0.00059	0.00154	0.00205	0.00117	0.00264	0.00052	0.00216	<4.42E-05	<1.06E-04	0.00061	<2.18E-05	0.00629	<1.06E-04	0.00026	<3.36E-05	0.00082	<5.30E-05
T-207		0.00033	<1.27E-04	<6.79E-05	<1.27E-04	0.00119	<6.04E-05	<1.51E-04	<5.30E-05	<1.27E-04	<5.30E-05	<2.62E-05	0.00068	<1.27E-04	<2.19E-05	<4.02E-05	0.00128	0.00088
T-208		<1.68E-04	0.00755	0.01030	0.00489	0.00602	0.00248	0.00858	<6.16E-05	0.00297	<6.16E-05	<3.04E-05	0.00280	0.00240	0.00421	<4.67E-05	<3.67E-05	<7.38E-05
T-209		<1.37E-04	<1.20E-04	<6.41E-05	<1.20E-04	0.00048	<5.70E-05	<1.42E-04	<5.01E-05	<1.20E-04	<5.01E-05	<2.47E-05	0.00042	<1.20E-04	<2.07E-05	<3.80E-05	<2.98E-05	<6.00E-05
T-210		<1.53E-04	<1.34E-04	<7.17E-05	<1.34E-04	0.00066	<6.38E-05	<1.59E-04	<5.60E-05	<1.34E-04	<5.60E-05	<2.77E-05	<7.16E-05	<1.34E-04	<2.32E-05	<4.25E-05	<3.33E-05	0.00033
T-211		<1.61E-04	<1.42E-04	<7.57E-05	<1.42E-04	<5.60E-05	<6.74E-05	<1.68E-04	<5.91E-05	<1.42E-04	<5.91E-05	<2.92E-05	<7.57E-05	<1.42E-04	<2.45E-05	<4.49E-05	<3.52E-05	<7.09E-05
T-212		0.00052	0.01178	<4.50E-05	0.01089	0.00068	<4.01E-05	0.00367	<3.51E-05	0.00441	<3.51E-05	<1.74E-05	0.00105	0.00539	0.00062	<2.67E-05	<2.09E-05	0.00089
T-213		0.00073	0.01228	<4.52E-05	0.01142	0.00066	<4.03E-05	0.00391	<3.53E-05	0.00448	<3.53E-05	<1.74E-05	0.00115	0.00546	0.00067	<2.68E-05	<2.10E-05	0.00085
T-214		<9.41E-05	<8.28E-05	<4.42E-05	<8.28E-05	<3.27E-05	<3.93E-05	<9.80E-05	<3.45E-05	<8.28E-05	<3.45E-05	<1.70E-05	<4.41E-05	<8.28E-05	<1.43E-05	<2.62E-05	<2.06E-05	<4.14E-05
T-301		0.00024	<6.98E-05	<3.72E-05	<6.98E-05	<2.75E-05	<3.31E-05	<8.26E-05	0.00046	<6.98E-05	<2.91E-05	<1.44E-05	<3.72E-05	<6.98E-05	<1.20E-05	<2.21E-05	<1.73E-05	0.00012
T-302		<1.09E-04	<9.57E-05	<5.11E-05	<9.57E-05	<3.78E-05	<4.55E-05	<1.13E-04	<3.99E-05	<9.57E-05	<3.99E-05	<1.97E-05	<5.11E-05	<9.57E-05	<1.65E-05	<3.03E-05	<2.38E-05	<4.79E-05
T-303		0.00028	<1.04E-04	<5.56E-05	<1.04E-04	<4.12E-05	<4.95E-05	<1.23E-04	0.00033	<1.04E-04	<4.35E-05	<2.15E-05	<5.56E-05	<1.04E-04	<1.80E-05	<3.30E-05	<2.59E-05	<5.21E-05
T-304		<1.28E-04	<1.13E-04	<6.02E-05	<1.13E-04	<4.46E-05	<5.36E-05	<1.34E-04	0.00079	<1.13E-04	<4.71E-05	<2.32E-05	<6.02E-05	<1.13E-04	<1.95E-05	<3.57E-05	<2.80E-05	<5.64E-05
T-305		<9.80E-05	<8.62E-05	<4.60E-05	<8.62E-05	<3.40E-05	<4.09E-05	<1.02E-04	0.00070	<8.62E-05	<3.59E-05	<1.77E-05	<4.60E-05	<8.62E-05	<1.49E-05	<2.73E-05	<2.14E-05	<4.31E-05
T-306		<9.56E-05	<8.41E-05	<4.49E-05	<8.41E-05	0.00054	<3.99E-05	<9.95E-05	0.00156	<8.41E-05	<3.50E-05	<1.73E-05	0.00038	<8.41E-05	<1.45E-05	0.00019	0.00042	0.00030
T-307		<1.12E-04	<9.82E-05	<5.24E-05	<9.82E-05	<3.88E-05	<4.66E-05	<1.16E-04	<4.09E-05	<9.82E-05	<4.09E-05	<2.02E-05	<5.24E-05	<9.82E-05	<1.69E-05	<3.11E-05	0.00020	<4.91E-05
T-308		0.00331	0.00053	<4.37E-05	<8.19E-05	0.00074	<3.89E-05	<9.69E-05	<3.41E-05	0.00053	<3.41E-05	0.00173	<4.37E-05	<8.19E-05	0.00258	<2.59E-05	<2.03E-05	0.00019
T-309		0.00024	<7.13E-05	<3.81E-05	<7.13E-05	<2.82E-05	<3.39E-05	<8.44E-05	0.00021	<7.13E-05	<2.97E-05	<1.47E-05	<3.80E-05	<7.13E-05	<1.23E-05	<2.26E-05	<1.77E-05	<3.57E-05
T-310		0.00035	<1.03E-04	<5.47E-05	<1.03E-04	<4.05E-05	<4.87E-05	<1.21E-04	0.00280	<1.03E-04	0.00067	<2.11E-05	<5.47E-05	<1.03E-04	<1.77E-05	<3.24E-05	<2.55E-05	0.00112
T-311		<1.39E-04	<1.22E-04	<6.50E-05	<1.22E-04	<4.81E-05	<5.79E-05	<1.44E-04	0.00030	<1.22E-04	<5.08E-05	<2.51E-05	<6.50E-05	<1.22E-04	<2.10E-05	<3.86E-05	<3.03E-05	<6.09E-05
T-312		0.00027	<8.81E-05	<4.70E-05	<8.81E-05	0.00021	<4.19E-05	<1.04E-04	0.00063	<8.81E-05	<3.67E-05	<1.82E-05	<4.70E-05	<8.81E-05	<1.52E-05	<2.79E-05	<2.19E-05	<4.41E-05
T-313		0.00025	<7.37E-05	<3.93E-05	<7.37E-05	0.00034	<3.50E-05	<8.72E-05	0.00092	<7.37E-05	<3.07E-05	<1.52E-05	<3.93E-05	<7.37E-05	<1.27E-05	<2.33E-05	<1.83E-05	<3.68E-05
T-314		<1.02E-04	<8.97E-05	<4.79E-05	<8.97E-05	<3.54E-05	<4.26E-05	<1.06E-04	<3.74E-05	<8.97E-05	<3.74E-05	<1.85E-05	<4.78E-05	<8.97E-05	<1.55E-05	<2.84E-05	<2.23E-05	<4.48E-05
T-401		0.00030	<6.85E-05	<3.66E-05	<6.85E-05	0.00028	<3.26E-05	<8.11E-05	<2.86E-05	<6.85E-05	<2.86E-05	<1.41E-05	0.00030	<6.85E-05	<1.18E-05	<2.17E-05	<1.70E-05	<3.43E-05
T-402		<7.89E-05	<6.94E-05	<3.70E-05	<6.94E-05	<2.74E-05	<3.30E-05	<8.21E-05	<2.89E-05	<6.94E-05	<2.89E-05	<1.43E-05	<3.70E-05	<6.94E-05	0.00033	<2.20E-05	0.00298	<3.47E-05
T-403		<8.68E-05	<7.64E-05	<4.08E-05	<7.64E-05	<3.01E-05	<3.63E-05	<9.04E-05	<3.18E-05	<7.64E-05	<3.18E-05	<1.57E-05	<4.07E-05	<7.64E-05	<1.32E-05	<2.42E-05	<1.90E-05	0.00009
T-404		0.00030	<9.32E-05	<4.97E-05	<9.32E-05	<3.68E-05	<4.43E-05	<1.10E-04	<3.88E-05	<9.32E-05	<3.88E-05	<1.92E-05	<4.97E-05	<9.32E-05	0.00031	<2.95E-05	0.00536	0.00017
T-405		<8.73E-05	<7.68E-05	<4.10E-05	<7.68E-05	<3.03E-05	<3.65E-05	<9.09E-05	<3.20E-05	<7.68E-05	<3.20E-05	<1.58E-05	<4.09E-05	<7.68E-05	<1.32E-05	<2.43E-05	0.00018	<3.84E-05
T-406		0.03040	<7.40E-03	<3.95E-03	<7.40E-03	<2.92E-03	<3.51E-03	<8.76E-03	<3.08E-03	<7.40E-03	0.02790	<1.52E-03	<3.94E-03	<7.40E-03	<1.28E-03	<2.34E-03	0.03692	0.03338
T-407		<7.70E-05	<6.77E-05	<3.62E-05	<6.77E-05	<2.67E-05	<3.22E-05	<8.02E-05	0.00065	<6.77E-05	<2.82E-05	<1.39E-05	<3.61E-05	<6.77E-05	<1.17E-05	<2.14E-05	<1.68E-05	0.00023
T-408		0.00025	<6.99E-05	<3.73E-05	<6.99E-05	0.00027	<3.32E-05	<8.27E-05	<2.91E-05	<6.99E-05	<2.91E-05	<1.44E-05	<3.73E-05	<6.99E-05	<1.20E-05	<2.21E-05	0.00175	0.00063
T-409		0.00029	<8.67E-05	<4.62E-05	<8.67E-05	0.00026	<4.12E-05	<1.03E-04	0.00067	<8.67E-05	<3.61E-05	<1.78E-05	<4.62E-05	<8.67E-05	<1.49E-05	<2.74E-05	<2.15E-05	<4.33E-05
T-410		0.00027	<8.23E-05	<4.39E-05	<8.23E-05	0.00074	<3.91E-05	<9.75E-05	0.00086	<8.23E-05	0.00026	<1.70E-05	0.00035	<8.23E-05	0.00036	<2.61E-05	<2.04E-05	0.00012
T-411		0.00029	<9.79E-05	<5.23E-05	<9.79E-05	0.00048	<4.65E-05	<1.16E-04	0.00773	<9.79E-05	0.00074	<2.02E-05	<5.22E-05	<9.79E-05	<1.69E-05	<3.10E-05	0.00043	0.00173
T-412		0.01038	0.00209	0.00573	0.00084	0.00056	0.01110	<8.01E-05	<2.82E-05	0.00186	<2.82E-05	0.00424	<3.61E-05	0.00096	0.00574	<2.14E-05	<1.68E-05	<3.38E-05
T-413		0.00778	0.00180	0.00423	0.00072	0.00104	0.00869	<7.94E-05	<2.80E-05	0.00154	<2.80E-05	0.00360	<3.58E-05	0.00076	0.00523	<2.12E-05	<1.67E-05	<3.35E-05
T-414		0.00018	<6.43E-05	<3.43E-05	<6.43E-05	<2.54E-05	<3.05E-05	<7.61E-05	<2.68E-05	<6.43E-05	<2.68E-05	<1.32E-05	<3.43E-05	<6.43E-05	<1.11E-05	<2.03E-05	<1.60E-05	<3.21E-05
T-501		<1.24E-04	<1.09E-04	<5.83E-05	<1.09E-04	<4.31E-05	<5.19E-05	<1.29E-04	<4.55E-05	<1.09E-04	<4.55E-05	<2.25E-05	<5.82E-05	<1.09E-04	<1.88E-05	<3.46E-05	<2.71E-05	<5.46E-05
T-502		<1.19E-04	<1.05E-04	<5.61E-05	<1.05E-04	<4.15E-05	<4.99E-05	<1.24E-04	<4.38E-05	<1.05E-04	<4.38E-05	<2.16E-05	<5.60E-05	<1.05E-04	<1.81E-05	<3.33E-05	<2.61E-05	<5.25E-05
T-503		0.00027	<7.92E-05	<4.23E-05	<7.92E-05	<3.13E-05	<3.76E-05	<9.38E-05	0.00039	<7.92E-05	<3.30E-05	<1.63E-05	<4.22E-05	<7.92E-05	<1.37E-05	<2.51E-05	<1.97E-05	<3.96E-05
T-504		0.00054	<8.96E-05	<4.78E-05	<8.96E-05	0.00033	<4.26E-05	<1.06E-04	0.00250	<8.96E-05	<3.74E-05	<1.85E-05	<4.78E-05	<8.96E-05	0.00039	0.00223	<2.23E-05	0.00018
T-505		0.00026	<1.01E-04	<5.37E-05	<1.01E-04	<3.97E-05	<4.78E-05	<1.19E-04	<4.19E-05	<1.01E-04	<4.19E-05	<2.07E-05	<5.37E-05	<1.01E-04	<1.73E-05	<3.19E-05	<2.50E-05	<5.03E-05
T-506		<1.19E-04	<1.04E-04	<5.57E-05	<1.04E-04	<4.12E-05	<4.96E-05	<1.24E-04	0.00135	<1.04E-04	<4.35E-05	<2.15E-05	<5.57E-05	<1.04E-04	<1.80E-05	<3.31E-05	<2.59E-05	<5.22E-05
T-507		<1.06E-04	<9.33E-05	<4.98E-05	<9.33E-05	0.00036	<4.43E-05	<1.10E-04	<3.89E-05	<9.33E-05	<3.89E-05	<1.92E-05	<4.97E-05	<9.33E-05	<1.61E-05	0.00118	0.00520	<4.66E-05
T-508		0.00032	<8.41E-05	<4.49E-05	<8.41E-05	<3.32E-05	<4.00E-05	<9.96E-05	0.00041	<8.41E-05	<3.51E-05	<1.73E-05	<4.49E-05	<8.41E-05	<1.45E-05	<2.66E-05	<2.09E-05	<4.21E-05
T-509		<8.04E-05	<7.07E-05	<3.77E-05	<7.07E-05	<2.79E-05	<3.36E-05	<8.37E-05	0.00043	<7.07E-05	<2.95E-05	<1.46E-05	<3.77E-05	<7.07E-05	<1.22E-05	<2.24E-05	<1.76E-05	<3.53E-05
T-510		0.00019	<8.25E-05	<4.40E-05	<8.25E-05	<3.26E-05	<3.92E-05	<9.77E-05	0.00159	<8.25E-05	<3.44E-05	<1.70E-05	<4.40E-05	<8.25E-05	<1.42E-05	<2.61E-05	<2.05E-05	<4.13E-05
T-511		<7.68E-05	<6.76E-05	<3.61E-05	<6.76E-05	<2.67E-05	<3.21E-05	<8.00E-05	0.00019	<6.76E-05	<2.82E-05	<1.39E-05	<3.60E-05	<6.76E-05	<1.16E-05	0.00019	<1.68E-05	<3.38E-05
T-512		<1.25E-04	<1.10E-04	<5.85E-05	<1.10E-04	<4.33E-05	<5.21E-05	<1.30E-04	<4.57E-05	<1.10E-04	<4.57E-05	<2.26E-05	<5.85E-05	<1.10E-04	<1.89E-05	<3.47E-05	<2.72E-05	<5.48E-05
T-513		<1.06E-04	<9.36E-05	<5.00E-05	<9.36E-05	<3.70E-05	<4.45E-05	<1.11E-04	<3.90E-05	<9.36E-05	<3.90E-05	<1.93E-05	<4.99E-05	<9.36E-05	<1.61E-05	<2.96E-05	<2.32E-05	<4.68E-05
T-514		<9.90E-05	<8.71E-05	<4.65E-05	<8.71E-05	<3.44E-05	<4.14E-05	<1.03E-04	<3.63E-05	<8.71E-05	<3.63E-05	<1.79E-05	<4.64E-05	<8.71E-05	<1.50E-05	<2.76E-05	<2.16E-05	<4.35E-05

Table 4.2c TO-15 Compounds (Flux in mg/m2-min for only compounds with at least one detect) (cont.).

	Compound	n-Propylbenzene	t-Butyl alcohol	Ethyl acetate	cis-1,2-Dichloroethene	Methyl iodide	2,2,4-Trimethylpentane	Styrene	i-Butylbenzene	Chloroethane	Methylene chloride	cis-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane	1,4 Dioxane	trans-1,2-Dichloroethene	Dichlorodifluoromethane	Methyl acrylate	1,1-Dichloroethane	Trichlorofluoromethane
	CAS	103-65-1	75-65-0	141-78-6	156-59-2	4227-95-6	540-84-1	100-42-5	538-93-2	75-00-3	75-09-2	10061-01-5	76-14-2	123-91-1	156-60-5	75-71-8	96-33-3	75-34-3	75-69-4
Sample ID	MW	120.2	74.1	88.1	96.9	142.9	114.2	104.2	134.2	64.5	84.9	111	170.9	88.1	96.9	120.9	86.1	99	137.4
T-101		<7.85E-05	<2.42E-05	<2.88E-05	<1.58E-05	<4.67E-05	<1.87E-05	<5.11E-05	<8.77E-05	<2.11E-05	<1.39E-05	<1.81E-05	<5.58E-05	<2.88E-05	<1.58E-05	<5.93E-05	<2.81E-05	<1.62E-05	<4.49E-05
T-102		<6.65E-05	<2.05E-05	<2.44E-05	<1.34E-05	0.00038	<1.58E-05	<4.32E-05	<7.42E-05	<1.78E-05	<1.17E-05	<1.53E-05	<4.73E-05	<2.44E-05	<1.34E-05	<5.01E-05	<2.38E-05	<1.37E-05	<3.80E-05
T-103		<7.15E-05	<2.20E-05	<2.62E-05	<1.44E-05	<4.25E-05	<1.70E-05	<4.65E-05	<7.98E-05	<1.92E-05	<1.26E-05	<1.65E-05	<5.08E-05	<2.62E-05	<1.44E-05	<5.39E-05	<2.56E-05	<1.47E-05	<4.09E-05
T-104		<7.07E-05	<2.18E-05	<2.59E-05	<1.43E-05	<4.20E-05	<1.68E-05	<4.60E-05	<7.90E-05	<1.90E-05	<1.25E-05	<1.63E-05	<5.03E-05	<2.59E-05	<1.43E-05	<5.34E-05	<2.53E-05	<1.46E-05	<4.04E-05
T-105		<6.85E-05	<2.11E-05	<2.51E-05	<1.38E-05	<4.07E-05	<1.63E-05	<4.45E-05	<7.65E-05	<1.84E-05	0.00015	<1.58E-05	<4.87E-05	<2.51E-05	<1.38E-05	<5.17E-05	<2.45E-05	<1.41E-05	<3.91E-05
T-106		<6.67E-05	<2.06E-05	<2.44E-05	<1.34E-05	<3.96E-05	<1.58E-05	<4.33E-05	<7.44E-05	<1.79E-05	0.00039	<1.54E-05	<4.74E-05	<2.44E-05	<1.34E-05	<5.03E-05	<2.39E-05	<1.37E-05	<3.81E-05
T-107		<6.98E-05	<2.15E-05	<2.56E-05	<1.41E-05	<4.15E-05	<1.66E-05	<4.54E-05	<7.79E-05	<1.87E-05	0.00035	<1.61E-05	<4.96E-05	<2.56E-05	<1.41E-05	<5.27E-05	<2.50E-05	<1.44E-05	<3.99E-05
T-108		<9.27E-05	<2.86E-05	<3.40E-05	<1.87E-05	<5.51E-05	<2.20E-05	<6.03E-05	<1.04E-04	<2.49E-05	0.00050	<2.14E-05	<6.59E-05	<3.40E-05	<1.87E-05	0.00031	<3.32E-05	<1.91E-05	<5.30E-05
T-109		0.00025	<2.65E-05	<3.15E-05	<1.73E-05	<5.10E-05	<2.04E-05	<5.58E-05	0.00030	<2.30E-05	0.00049	<1.98E-05	<6.10E-05	<3.15E-05	<1.73E-05	0.00029	<3.07E-05	<1.77E-05	<4.91E-05
T-110		<6.86E-05	<2.11E-05	<2.51E-05	<1.38E-05	<4.08E-05	<1.63E-05	<4.46E-05	<7.66E-05	<1.84E-05	<1.21E-05	<1.58E-05	<4.88E-05	<2.51E-05	<1.38E-05	<5.17E-05	<2.46E-05	<1.41E-05	<3.92E-05
T-111		<9.94E-05	<3.07E-05	<3.64E-05	<2.00E-05	<5.91E-05	<2.36E-05	<6.47E-05	<1.11E-04	<2.67E-05	<1.76E-05	<2.30E-05	<7.07E-05	<3.64E-05	<2.00E-05	<7.50E-05	<3.56E-05	<2.05E-05	<5.68E-05
T-112		<6.82E-05	<2.10E-05	<2.50E-05	<1.37E-05	<4.05E-05	<1.62E-05	<4.43E-05	<7.61E-05	<1.83E-05	<1.20E-05	<1.57E-05	<4.85E-05	<2.50E-05	<1.37E-05	<5.14E-05	<2.44E-05	<1.40E-05	<3.90E-05
T-113		<7.44E-05	<2.29E-05	<2.73E-05	<1.50E-05	<4.42E-05	<1.77E-05	<4.84E-05	<8.30E-05	<2.00E-05	<1.31E-05	<1.72E-05	<5.29E-05	<2.73E-05	<1.50E-05	<5.61E-05	<2.66E-05	<1.53E-05	<4.25E-05
T-114		<7.50E-05	<2.31E-05	<2.75E-05	<1.51E-05	<4.46E-05	<1.78E-05	<4.88E-05	<8.38E-05	<2.01E-05	<1.33E-05	<1.73E-05	<5.33E-05	<2.75E-05	<1.51E-05	<5.66E-05	<2.69E-05	<1.55E-05	<4.29E-05
T-201		<7.09E-05	<2.19E-05	<2.60E-05	<1.43E-05	<4.22E-05	<1.69E-05	<4.61E-05	<7.92E-05	<1.90E-05	<1.25E-05	<1.64E-05	<5.04E-05	<2.60E-05	<1.43E-05	<5.35E-05	<2.54E-05	<1.46E-05	<4.05E-05
T-202		<7.65E-05	<2.36E-05	<2.80E-05	<1.54E-05	<4.55E-05	<1.82E-05	<4.98E-05	<8.55E-05	<2.05E-05	<1.35E-05	<1.77E-05	<5.44E-05	<2.80E-05	<1.54E-05	<5.77E-05	<2.74E-05	<1.58E-05	<4.37E-05
T-203		<8.24E-05	<2.54E-05	<3.02E-05	<1.66E-05	<4.90E-05	<1.96E-05	<5.36E-05	<9.20E-05	<2.21E-05	<1.45E-05	<1.90E-05	<5.86E-05	<3.02E-05	<1.66E-05	<6.22E-05	<2.95E-05	<1.70E-05	<4.71E-05
T-204		0.00961	0.00515	0.00680	0.00139	<4.35E-05	0.00555	0.00409	<8.17E-05	<1.96E-05	0.00037	0.00208	<5.21E-05	<2.68E-05	<1.48E-05	<5.52E-05	<2.62E-05	0.00016	0.00020
T-205		<9.98E-05	0.00029	<3.66E-05	<2.01E-05	0.00103	<2.37E-05	<6.49E-05	0.00041	<2.68E-05	<1.76E-05	<2.30E-05	<7.09E-05	<3.66E-05	<2.01E-05	<7.53E-05	<3.57E-05	<2.05E-05	<5.70E-05
T-206		<1.06E-04	0.00055	<3.88E-05	<2.14E-05	0.00197	<2.52E-05	<6.89E-05	<1.18E-04	<2.84E-05	<1.87E-05	<2.45E-05	<7.54E-05	<3.88E-05	<2.14E-05	<8.00E-05	<3.80E-05	<2.18E-05	<6.06E-05
T-207		<1.27E-04	<3.92E-05	<4.66E-05	<2.56E-05	0.00101	<3.02E-05	<8.27E-05	<1.42E-04	<3.41E-05	<2.25E-05	<2.94E-05	<9.04E-05	<4.66E-05	<2.56E-05	<9.59E-05	<4.55E-05	<2.62E-05	<7.27E-05
T-208		<1.48E-04	<4.55E-05	<5.41E-05	0.00068	0.00237	<3.51E-05	<9.60E-05	0.00827	<3.96E-05	<2.61E-05	<3.41E-05	<1.05E-04	<5.41E-05	<2.98E-05	<1.11E-04	<5.29E-05	<3.04E-05	<8.44E-05
T-209		<1.20E-04	<3.70E-05	<4.40E-05	<2.42E-05	0.00072	<2.85E-05	<7.81E-05	<1.34E-04	<3.22E-05	<2.12E-05	<2.77E-05	<8.54E-05	<4.40E-05	<2.42E-05	<9.06E-05	0.00028	<2.47E-05	<6.86E-05
T-210		<1.34E-04	<4.14E-05	<4.92E-05	<2.71E-05	0.00083	<3.19E-05	<8.73E-05	<1.50E-04	<3.60E-05	<2.37E-05	<3.10E-05	<9.55E-05	<4.92E-05	<2.71E-05	<1.01E-04	<4.81E-05	<2.77E-05	<7.68E-05
T-211		<1.42E-04	<4.37E-05	<5.20E-05	<2.86E-05	0.00078	<3.37E-05	<9.22E-05	<1.58E-04	<3.81E-05	<2.51E-05	<3.28E-05	<1.01E-04	<5.20E-05	<2.86E-05	<1.07E-04	<5.08E-05	<2.92E-05	<8.11E-05
T-212		0.00327	0.00101	<3.09E-05	<1.70E-05	0.00078	0.00033	0.00040	<9.41E-05	<2.26E-05	<1.49E-05	<1.95E-05	0.00122	<3.09E-05	<1.70E-05	<6.36E-05	<3.02E-05	<1.74E-05	<4.82E-05
T-213		0.00352	0.00097	<3.11E-05	<1.71E-05	0.00079	0.00039	0.00038	<9.46E-05	<2.27E-05	<1.50E-05	<1.96E-05	0.00130	<3.11E-05	<1.71E-05	<6.39E-05	<3.03E-05	<1.74E-05	<4.84E-05
T-214		<8.28E-05	<2.55E-05	<3.03E-05	<1.67E-05	<4.92E-05	<1.97E-05	<5.38E-05	<9.24E-05	<2.22E-05	<1.46E-05	<1.91E-05	<5.88E-05	<3.03E-05	<1.67E-05	<6.24E-05	<2.96E-05	<1.70E-05	<4.73E-05
T-301		<6.98E-05	<2.15E-05	<2.56E-05	<1.41E-05	<4.15E-05	<1.66E-05	<4.54E-05	<7.79E-05	<1.87E-05	<1.23E-05	<1.61E-05	<4.96E-05	<2.56E-05	<1.41E-05	<5.26E-05	<2.50E-05	<1.44E-05	<3.99E-05
T-302		<9.57E-05	<2.95E-05	<3.51E-05	<1.93E-05	<5.69E-05	<2.27E-05	<6.23E-05	<1.07E-04	<2.57E-05	<1.69E-05	<2.21E-05	<6.81E-05	<3.51E-05	<1.93E-05	<7.22E-05	<3.43E-05	<1.97E-05	<5.47E-05
T-303		<1.04E-04	<3.21E-05	<3.82E-05	<2.10E-05	<6.20E-05	<2.48E-05	<6.78E-05	<1.16E-04	<2.80E-05	<1.84E-05	<2.41E-05	<7.41E-05	<3.82E-05	<2.10E-05	<7.87E-05	<3.73E-05	<2.15E-05	<5.96E-05
T-304		<1.13E-04	<3.48E-05	<4.14E-05	<2.28E-05	<6.71E-05	<2.68E-05	<7.34E-05	<1.26E-04	<3.03E-05	<1.99E-05	<2.61E-05	<8.02E-05	<4.14E-05	<2.28E-05	<8.52E-05	<4.04E-05	<2.32E-05	<6.45E-05
T-305		<8.62E-05	<2.66E-05	<3.16E-05	<1.74E-05	<5.12E-05	<2.05E-05	<5.60E-05	<9.62E-05	<2.31E-05	<1.52E-05	<1.99E-05	<6.13E-05	<3.16E-05	<1.74E-05	<6.50E-05	<3.09E-05	<1.77E-05	<4.93E-05
T-306		<8.41E-05	<2.59E-05	<3.08E-05	<1.69E-05	0.00050	<2.00E-05	<5.47E-05	<9.39E-05	<2.26E-05	<1.48E-05	<1.94E-05	<5.98E-05	<3.08E-05	<1.69E-05	<6.34E-05	<3.01E-05	<1.73E-05	<4.81E-05
T-307		<9.82E-05	<3.03E-05	<3.60E-05	<1.98E-05	0.00058	<2.33E-05	<6.38E-05	<1.10E-04	<2.63E-05	<1.73E-05	<2.27E-05	<6.98E-05	<3.60E-05	<1.98E-05	<7.41E-05	<3.52E-05	<2.02E-05	<5.61E-05
T-308		<8.19E-05	0.00019	<3.00E-05	0.00150	0.00081	0.00364	<5.32E-05	<9.14E-05	0.00214	<1.45E-05	<1.89E-05	<5.82E-05	<3.00E-05	0.00017	<6.17E-05	<2.93E-05	<1.69E-05	<4.68E-05
T-309		<7.13E-05	<2.20E-05	<2.61E-05	<1.44E-05	0.00040	<1.69E-05	<4.64E-05	<7.96E-05	<1.91E-05	<1.26E-05	<1.65E-05	<5.07E-05	<2.61E-05	<1.44E-05	<5.38E-05	<2.55E-05	<1.47E-05	<4.08E-05
T-310		<1.03E-04	0.00031	<3.76E-05	<2.07E-05	0.00060	<2.43E-05	<6.66E-05	<1.14E-04	<2.75E-05	<1.81E-05	<2.37E-05	<7.29E-05	<3.76E-05	<2.07E-05	<7.73E-05	<3.67E-05	<2.11E-05	<5.86E-05
T-311		<1.22E-04	<3.75E-05	<4.46E-05	<2.46E-05	0.00068	<2.89E-05	<7.92E-05	<1.36E-04	<3.27E-05	<2.15E-05	<2.81E-05	<8.66E-05	<4.46E-05	<2.46E-05	<9.19E-05	<4.36E-05	<2.51E-05	<6.96E-05
T-312		<8.81E-05	<2.72E-05	<3.23E-05	<1.78E-05	0.00049	<2.09E-05	<5.73E-05	<9.84E-05	<2.37E-05	<1.56E-05	<2.04E-05	<6.27E-05	<3.23E-05	<1.78E-05	<6.65E-05	<3.16E-05	<1.82E-05	<5.04E-05
T-313		<7.37E-05	<2.27E-05	<2.70E-05	<1.49E-05	0.00044	<1.75E-05	<4.79E-05	<8.23E-05	<1.98E-05	<1.30E-05	<1.70E-05	<5.24E-05	<2.70E-05	<1.49E-05	<5.56E-05	<2.64E-05	<1.52E-05	<4.21E-05
T-314		<8.97E-05	<2.76E-05	<3.29E-05	<1.81E-05	<5.33E-05	<2.13E-05	<5.83E-05	<1.00E-04	<2.41E-05	<1.58E-05	<2.07E-05	<6.38E-05	<3.29E-05	<1.81E-05	<6.77E-05	<3.21E-05	<1.85E-05	<5.13E-05
T-401		<6.85E-05	<2.11E-05	<2.51E-05	<1.38E-05	<4.07E-05	<1.63E-05	<4.46E-05	<7.65E-05	<1.84E-05	<1.21E-05	<1.58E-05	<4.87E-05	<2.51E-05	<1.38E-05	<5.17E-05	<2.45E-05	<1.41E-05	<3.92E-05
T-402		<6.94E-05	<2.14E-05	<2.54E-05	<1.40E-05	<4.12E-05	<1.65E-05	<4.51E-05	<7.75E-05	<1.86E-05	<1.23E-05	<1.60E-05	<4.93E-05	<2.54E-05	<1.40E-05	<5.23E-05	<2.48E-05	<1.43E-05	<3.97E-05
T-403		<7.64E-05	<2.35E-05	<2.80E-05	<1.54E-05	<4.54E-05	<1.81E-05	<4.96E-05	<8.53E-05	<2.05E-05	<1.35E-05	<1.76E-05	<5.43E-05	<2.80E-05	<1.54E-05	<5.76E-05	<2.73E-05	<1.57E-05	<4.36E-05
T-404		<9.32E-05	<2.87E-05	<3.42E-05	<1.88E-05	<5.54E-05	<2.21E-05	<6.06E-05	<1.04E-04	<2.50E-05	<1.65E-05	<2.15E-05	<6.63E-05	<3.42E-05	<1.88E-05	<7.03E-05	<3.34E-05	<1.92E-05	<5.33E-05
T-405		<7.68E-05	<2.37E-05	<2.81E-05	<1.55E-05	<4.56E-05	<1.82E-05	<4.99E-05	<8.57E-05	<2.06E-05	<1.36E-05	<1.77E-05	<5.46E-05	<2.81E-05	<1.55E-05	<5.79E-05	<2.75E-05	<1.58E-05	<4.39E-05
T-406		<7.40E-03	0.07661	<2.71E-03	<1.49E-03	0.04595	<1.76E-03	<4.81E-03	<8.26E-03	<1.98E-03	<1.31E-03	<1.71E-03	<5.26E-03	0.09813	<1.49E-03	<5.58E-03	<2.65E-03	<1.52E-03	<4.23E-03
T-407		<6.77E-05	<2.09E-05	<2.48E-05	<1.37E-05	<4.03E-05	<1.61E-05	<4.40E-05	<7.56E-05	<1.82E-05	<1.20E-05	<1.56E-05	<4.82E-05	<2.48E-05	<1.37E-05	<5.11E-05	<2.43E-05	<1.39E-05	<3.87E-05
T-408		<6.99E-05	<2.15E-05	<2.56E-05	<1.41E-05	0.00041	<1.66E-05	<4.54E-05	<7.80E-05	<1.87E-05	<1.23E-05	<1.61E-05	<4.97E-05	<2.56E-05	<1.41E-05	<5.27E-05	<2.50E-05	<1.44E-05	<3.99E-05
T-409		<8.67E-05	<2.67E-05	<3.18E-05	<1.75E-05	<5.15E-05	<2.06E-05	<5.63E-05	<9.67E-05	<2.33E-05	<1.53E-05	<2.00E-05	<6.16E-05	<3.18E-05	<1.75E-05	<6.54E-05	<3.10E-05	<1.78E-05	<4.95E-05
T-410		<8.23E-05	0.00036	<3.02E-05	<1.66E-05	0.00049	<1.96E-05	<5.35E-05	<9.19E-05	<2.21E-05	<1.45E-05	<1.90E-05	<5.85E-05	<3.02E-05	<1.66E-05	<6.21E-05	<2.95E-05	<1.70E-05	<4.71E-05
T-411		<9.79E-05	0.00052	<3.59E-05	<1.97E-05	0.00054	<2.33E-05	<6.37E-05	<1.09E-04	<2.63E-05	<1.73E-05	<2.26E-05	<6.96E-05	<3.59E-05	<1.97E-05	<7.39E-05	<3.51E-05	<2.02E-05	<5.60E-05
T-412		<6.77E-05	<2.09E-05	0.00176	0.00437	0.00049	<1.61E-05	0.00047	<7.55E-05	<1.82E-05	<1.19E-05	<1.56E-05	<4.81E-05	<2.48E-05	0.00031	<5.10E-05	<2.42E-05	<1.39E-05	<3.87E-05
T-413		<6.71E-05	<2.07E-05	0.00149	0.00278	0.00065	<1.59E-05	0.00049	<7.49E-05	<1.80E-05	<1.18E-05	<1.55E-05	<4.77E-05	<2.46E-05	0.00044	<5.06E-05	<2.40E-05	<1.38E-05	<3.83E-05
T-414		<6.43E-05	<1.98E-05	<2.36E-05	<1.30E-05	<3.82E-05	<1.53E-05	<4.18E-05	<7.18E-05	<1.72E-05	<1.13E-05	<1.48E-05	<4.57E-05	<2.36E-05	<1.30E-05	<4.85E-05	<2.30E-05	<1.32E-05	<3.67E-05
T-501		<1.09E-04	<3.37E-05	<4.00E-05	<2.20E-05	<6.49E-05	<2.59E-05	<7.10E-05	<1.22E-04	<2.93E-05	<1.93E-05	<2.52E-05	<7.76E-05	<4.00E-05	<2.20E-05	<8.24E-05	<3.91E-05	<2.25E-05	<6.24E-05
T-502		<1.05E-04	<3.24E-05	<3.85E-05	<2.12E-05	<6.25E-05	<2.50E-05	<6.83E-05	<1.17E-04	<2.82E-05	<1.86E-05	<2.43E-05	<7.47E-05	<3.85E-05	<2.12E-05	<7.93E-05	<3.76E-05	<2.16E-05	<6.01E-05
T-503		<7.92E-05	<2.44E-05	<2.90E-05	<1.60E-05	<4.71E-05	<1.88E-05	<5.15E-05	<8.85E-05	<2.13E-05	<1.40E-05	<1.83E-05	<5.63E-05	<2.90E-05	<1.60E-05	<5.98E-05	<2.84E-05	<1.63E-05	<4.53E-05
T-504		<8.96E-05	<2.76E-05	<3.28E-05	<1.81E-05	0.00059	<2.13E-05	<5.83E-05	<1.00E-04	<2.40E-05	0.00020	<2.07E-05	<6.37E-05	<3.28E-05	<1.81E-05	<6.76E-05	<3.21E-05	<1.85E-05	<5.12E-05
T-505		<1.01E-04	<3.10E-05	<3.69E-05	<2.03E-05	<5.98E-05	<2.39E-05	<6.54E-05	<1.12E-04	<2.70E-05	0.00017	<2.32E-05	<7.15E-05	<3.69E-05	<2.03E-05	<7.59E-05	<3.60E-05	<2.07E-05	<5.75E-05
T-506		<1.04E-04	<3.22E-05	<3.83E-05	<2.10E-05	<6.21E-05	<2.48E-05	<6.79E-05	<1.17E-04	<2.80E-05	<1.84E-05	<2.41E-05	<7.42E-05	<3.83E-05	<2.10E-05	<7.88E-05	<3.74E-05	<2.15E-05	<5.97E-05
T-507		<9.33E-05	<2.87E-05	<3.42E-05	<1.88E-05	0.00055	<2.21E-05	<6.06E-05	<1.04E-04	<2.50E-05	<1.65E-05	<2.15E-05	<6.63E-05	<3.42E-05	<1.88E-05	<7.03E-05	<3.34E-05	<1.92E-05	<5.33E-05
T-508		<8.41E-05	<2.59E-05	<3.08E-05	<1.70E-05	<5.00E-05	<2.00E-05	<5.47E-05	<9.39E-05	<2.26E-05	<1.49E-05	<1.94E-05	<5.98E-05	<3.08E-05	<1.70E-05	<6.35E-05	<3.01E-05	<1.73E-05	<4.81E-05
T-509		<7.07E-05	<2.18E-05	<2.59E-05	<1.42E-05	<4.20E-05	<1.68E-05	<4.60E-05	<7.89E-05	<1.90E-05	<1.25E-05	<1.63E-05	<5.02E-05	<2.59E-05	<1.42E-05	<5.33E-05	<2.53E-05	<1.46E-05	<4.04E-05
T-510		<8.25E-05	<2.54E-05	<3.02E-05	<1.66E-05	<4.91E-05	<1.96E-05	<5.37E-05	<9.21E-05	<2.21E-05	<1.46E-05	<1.91E-05	<5.87E-05	<3.02E-05	<1.66E-05	<6.23E-05	<2.96E-05	<1.70E-05	<4.72E-05
T-511		<6.76E-05	<2.08E-05	<2.48E-05	<1.36E-05	<4.02E-05	<1.60E-05	<4.39E-05	<7.54E-05	<1.81E-05	<1.19E-05	<1.56E-05	<4.80E-05	<2.48E-05	<1.36E-05	<5.10E-05	<2.42E-05	<1.39E-05	<3.86E-05
T-512		<1.10E-04	<3.38E-05	<4.02E-05	<2.21E-05	<6.52E-05	<2.61E-05	<7.13E-05	<1.22E-04	<2.94E-05	<1.94E-05	<2.53E-05	<7.80E-05	<4.02E-05	<2.21E-05	<8.27E-05	<3.93E-05	<2.26E-05	<6.27E-05
T-513		<9.36E-05	<2.89E-05	<3.43E-05	<1.89E-05	<5.56E-05	<2.22E-05	<6.09E-05	<1.05E-04	<2.51E-05	<1.65E-05	<2.16E-05	<6.65E-05	<3.43E-05	<1.89E-05	<7.06E-05	<3.35E-05	<1.93E-05	<5.35E-05
T-514		<8.71E-05	<2.68E-05	<3.19E-05	<1.75E-05	<5.18E-05	<2.07E-05	<5.66E-05	<9.72E-05	<2.34E-05	<1.54E-05	<2.01E-05	<6.19E-05	<3.19E-05	<1.75E-05	<6.57E-05	<3.12E-05	<1.79E-05	<4.98E-05

Table 4.3a TO-14 Compounds (Flux in mg/m2-min for only compounds with at least one detect).

	Compound	Propane	Ethane	Propene	Toluene	n-Butane	m,p-xylene	i-Pentane	Ethylbenzene	Cyclopentane	o-xylene	2,2,4-Trimethylpentane	n-Heptane	n-propylbenzene	Ethene	n-Hexane	Methylcyclohexane	n-Decane
	CAS	74-98-6	74-84-0	115-07-1	108-88-3	106-97-8	108-38-3	78-78-4	100-41-4	287-92-3	95-47-6	540-84-1	142-82-5	103-65-1	74-85-1	110-54-3	108-87-2	124-18-5
Sample ID	MW	44.1	30.1	42.1	92.1	58.1	106.2	72.2	106.2	70.1	106.2	114.2	100.2	120.2	28.1	86.2	98.2	142.3
T-101		0.00027	0.00169	0.00018	<4.30E-05	<4.75E-05	<4.34E-05	<4.72E-05	<4.34E-05	<4.58E-05	<4.34E-05	<4.66E-05	<4.68E-05	<4.36E-05	<4.59E-05	<4.69E-05	<4.58E-05	<4.65E-05
T-102		0.00017	0.00072	0.00014	<3.64E-05	<4.02E-05	<3.67E-05	<3.99E-05	<3.67E-05	<3.88E-05	<3.67E-05	<3.95E-05	<3.96E-05	<3.69E-05	<3.88E-05	<3.97E-05	<3.88E-05	<3.93E-05
T-103		0.00053	0.00115	0.00009	<3.91E-05	0.00042	0.00023	<4.29E-05	<3.95E-05	<4.17E-05	0.00014	<4.25E-05	<4.26E-05	0.00073	<4.18E-05	<4.27E-05	<4.17E-05	0.00024
T-104		0.00038	0.00097	<4.13E-05	<3.87E-05	<4.27E-05	<3.91E-05	<4.25E-05	<3.91E-05	<4.13E-05	0.00011	0.00171	0.00063	<3.93E-05	0.00022	<4.23E-05	<4.13E-05	<4.19E-05
T-105		0.00022	0.00046	<4.00E-05	<3.75E-05	<4.14E-05	<3.78E-05	<4.11E-05	<3.78E-05	<3.99E-05	0.00010	<4.07E-05	<4.08E-05	<3.80E-05	0.00074	0.00150	<4.00E-05	0.00014
T-106		<4.08E-05	<4.17E-05	<3.89E-05	<3.65E-05	<4.03E-05	0.00024	<4.00E-05	0.00012	<3.89E-05	0.00010	<3.96E-05	<3.97E-05	<3.70E-05	<3.90E-05	<3.98E-05	<3.89E-05	0.00009
T-107		0.00024	0.00106	<4.07E-05	<3.82E-05	<4.22E-05	<3.85E-05	<4.19E-05	<3.85E-05	<4.07E-05	<3.85E-05	<4.14E-05	<4.16E-05	<3.88E-05	<4.08E-05	0.00217	<4.07E-05	<4.13E-05
T-108		0.00025	0.00136	<5.41E-05	<5.07E-05	<5.60E-05	<5.12E-05	<5.57E-05	<5.12E-05	<5.41E-05	<5.12E-05	<5.51E-05	<5.52E-05	<5.15E-05	<5.42E-05	0.00087	<5.41E-05	<5.49E-05
T-109		0.00051	0.00168	<5.01E-05	0.00048	0.00033	0.00093	<5.16E-05	0.00075	<5.01E-05	0.00058	<5.10E-05	0.00019	0.00032	<5.02E-05	<5.13E-05	<5.01E-05	0.00171
T-110		0.00022	0.00126	<4.00E-05	<3.75E-05	<4.14E-05	<3.79E-05	<4.12E-05	<3.79E-05	<4.00E-05	<3.79E-05	<4.07E-05	<4.08E-05	<3.81E-05	<4.01E-05	0.00179	<4.00E-05	0.00017
T-111		0.00034	0.00166	<5.80E-05	<5.44E-05	<6.01E-05	<5.49E-05	<5.97E-05	<5.49E-05	<5.80E-05	<5.49E-05	<5.90E-05	<5.92E-05	<5.52E-05	<5.81E-05	0.00021	<5.80E-05	<5.89E-05
T-112		0.00046	0.00331	0.00036	0.00054	<1.08E-04	0.00032	<1.07E-04	0.00031	<1.04E-04	0.00025	<1.06E-04	<1.06E-04	<9.92E-05	<1.04E-04	<1.07E-04	<1.04E-04	0.00070
T-113		0.00056	0.00175	0.00010	0.00046	0.00048	0.00087	<4.47E-05	0.00069	<4.34E-05	0.00053	<4.42E-05	<4.43E-05	0.00028	<4.35E-05	<4.44E-05	<4.34E-05	0.00114
T-114		<4.59E-05	<4.70E-05	<4.38E-05	<4.11E-05	<4.53E-05	<4.14E-05	<4.51E-05	<4.14E-05	<4.38E-05	<4.14E-05	<4.46E-05	<4.47E-05	<4.17E-05	<4.39E-05	<4.48E-05	<4.38E-05	<4.44E-05
T-201		0.00024	0.00131	0.00019	0.00008	0.00010	<3.92E-05	<4.26E-05	<3.92E-05	<4.14E-05	0.00016	<4.21E-05	<4.22E-05	0.00071	0.00011	<4.24E-05	<4.14E-05	<4.20E-05
T-202		0.00028	0.00148	<4.47E-05	<4.19E-05	<4.62E-05	<4.23E-05	<4.60E-05	<4.23E-05	<4.46E-05	<4.23E-05	<4.54E-05	<4.56E-05	<4.25E-05	<4.47E-05	0.00011	<4.47E-05	<4.53E-05
T-203		0.00045	0.00128	0.00012	<4.51E-05	0.00016	<4.55E-05	<4.95E-05	<4.55E-05	<4.80E-05	<4.55E-05	<4.89E-05	<4.91E-05	<4.58E-05	<4.82E-05	<4.92E-05	<4.81E-05	<4.88E-05
T-204		0.01245	0.00352	0.03122	0.10905	0.01057	0.07201	0.01604	0.05055	0.00785	0.02428	0.01587	0.01756	0.00633	0.00703	0.00511	0.01353	0.04121
T-205		0.00062	0.00168	0.00052	0.00035	0.00019	0.00050	<5.99E-05	0.00028	<5.82E-05	0.00027	<5.93E-05	<5.94E-05	0.00150	0.00017	<5.96E-05	<5.82E-05	<5.91E-05
T-206		0.00041	0.00166	0.00041	<5.80E-05	0.00039	<5.85E-05	<6.37E-05	<5.85E-05	<6.18E-05	<5.85E-05	<6.29E-05	<6.31E-05	0.00781	<6.19E-05	0.00029	<6.19E-05	<6.27E-05
T-207		0.00072	0.00250	0.00033	0.00031	0.00157	0.00042	0.00128	0.00027	0.00047	0.00042	<7.55E-05	0.00016	0.00122	<7.43E-05	0.00016	<7.42E-05	<7.53E-05
T-208		0.04709	0.00292	0.01416	0.02825	0.01508	0.03604	0.00636	0.02188	0.00064	0.01413	0.00385	0.00613	0.08483	0.00075	0.00094	0.00179	0.00760
T-209		0.00056	0.00140	0.00050	0.00041	0.00029	0.00081	0.00026	0.00046	<7.00E-05	0.00039	<7.13E-05	<7.15E-05	0.00098	<7.02E-05	0.00022	<7.01E-05	0.00020
T-210		0.00055	0.00026	0.00035	<7.35E-05	0.00130	<7.42E-05	<8.07E-05	<7.42E-05	0.00028	0.00025	<7.97E-05	<8.00E-05	0.00050	0.00196	0.00025	<7.84E-05	<7.95E-05
T-211		0.00087	0.00255	0.00021	<7.76E-05	<8.57E-05	<7.83E-05	<8.52E-05	<7.83E-05	<8.27E-05	<7.83E-05	<8.42E-05	<8.45E-05	0.00025	<8.29E-05	<8.48E-05	<8.28E-05	<8.40E-05
T-212		0.00642	0.00147	0.00160	0.01440	0.00219	0.02615	0.00034	0.01867	0.00021	0.01776	0.00254	0.00112	0.00411	0.00031	0.00071	0.00198	0.00984
T-213		0.00424	0.00411	0.00125	0.00895	0.00162	0.01761	0.00044	0.01197	0.00071	0.01116	0.00185	0.00087	0.00482	<9.91E-05	0.00075	0.00146	0.01045
T-214		0.00026	<5.18E-05	0.00022	<4.53E-05	<5.00E-05	<4.57E-05	<4.97E-05	<4.57E-05	<4.83E-05	<4.57E-05	<4.91E-05	<4.93E-05	<4.60E-05	<4.84E-05	0.00012	<4.83E-05	<4.90E-05
T-301		0.00046	<4.37E-05	<4.07E-05	<3.82E-05	0.00021	<3.85E-05	0.00032	<3.85E-05	<4.07E-05	<3.85E-05	<4.14E-05	<4.15E-05	0.00024	0.00100	<4.17E-05	<4.07E-05	<4.13E-05
T-302		0.00032	0.00146	0.00025	<5.24E-05	<5.79E-05	<5.29E-05	<5.75E-05	<5.29E-05	<5.58E-05	<5.29E-05	<5.69E-05	<5.70E-05	<5.32E-05	<5.60E-05	0.00012	<5.59E-05	<5.67E-05
T-303		0.00027	0.00165	0.00022	<5.71E-05	<6.30E-05	<5.76E-05	<6.26E-05	<5.76E-05	<6.08E-05	<5.76E-05	<6.19E-05	<6.21E-05	<5.79E-05	<6.09E-05	<6.23E-05	<6.08E-05	<6.17E-05
T-304		0.00046	0.00170	0.00017	0.00017	<6.82E-05	<6.23E-05	<6.78E-05	<6.23E-05	<6.58E-05	0.00067	<6.70E-05	<6.72E-05	0.00149	<6.60E-05	<6.75E-05	<6.59E-05	<6.68E-05
T-305		0.00020	<5.39E-05	<5.03E-05	<4.72E-05	<5.21E-05	<4.76E-05	0.01243	<4.76E-05	<5.03E-05	<4.76E-05	<5.12E-05	<5.13E-05	<4.79E-05	0.00012	0.00438	<5.03E-05	<5.10E-05
T-306		0.00104	0.00149	0.00018	<4.60E-05	0.00088	0.00012	0.00012	<4.64E-05	<4.90E-05	0.00013	0.00027	<5.01E-05	0.00087	<4.91E-05	<5.02E-05	<4.91E-05	0.00057
T-307		0.00208	0.00083	0.00018	<5.37E-05	0.00026	<5.42E-05	<5.90E-05	<5.42E-05	<5.73E-05	<5.42E-05	<5.83E-05	<5.85E-05	<5.45E-05	<5.74E-05	<5.87E-05	<5.73E-05	<5.81E-05
T-308		<5.01E-05	<5.12E-05	0.01000	0.00316	0.00528	0.00519	0.00628	0.00399	0.00996	0.00169	<4.86E-05	0.01279	<4.55E-05	<4.78E-05	0.00873	0.00451	<4.85E-05
T-309		0.00056	0.00123	0.00009	<3.90E-05	<4.31E-05	<3.94E-05	<4.28E-05	0.00014	<4.16E-05	0.00046	<4.24E-05	<4.25E-05	0.00057	0.00010	<4.26E-05	0.00013	<4.22E-05
T-310		0.00027	0.00137	0.00024	<5.61E-05	<6.19E-05	<5.66E-05	<6.16E-05	<5.66E-05	<5.98E-05	<5.66E-05	<6.09E-05	<6.10E-05	<5.69E-05	<5.99E-05	0.00017	<5.98E-05	<6.07E-05
T-311		0.00086	0.00187	<7.11E-05	<6.67E-05	0.00027	0.00017	0.00019	<6.73E-05	<7.10E-05	<6.73E-05	<7.23E-05	<7.25E-05	0.00026	<7.12E-05	0.00104	<7.11E-05	<7.21E-05
T-312		0.00030	0.00150	0.00023	<4.82E-05	<5.33E-05	<4.87E-05	<5.29E-05	<4.87E-05	<5.14E-05	<4.87E-05	<5.23E-05	<5.25E-05	<4.90E-05	<5.15E-05	<5.27E-05	<5.14E-05	<5.22E-05
T-313		0.00028	0.00057	0.00013	<4.03E-05	<4.45E-05	<4.07E-05	<4.43E-05	<4.07E-05	<4.30E-05	<4.07E-05	<4.38E-05	<4.39E-05	<4.09E-05	<4.31E-05	<4.40E-05	<4.30E-05	<4.36E-05
T-314		<5.48E-05	<5.62E-05	<5.24E-05	<4.91E-05	<5.42E-05	<4.95E-05	<5.39E-05	<4.95E-05	<5.23E-05	<4.95E-05	<5.33E-05	<5.34E-05	<4.98E-05	<5.24E-05	<5.36E-05	<5.23E-05	<5.31E-05
T-401		0.00019	0.00101	<4.00E-05	<3.75E-05	<4.14E-05	<3.78E-05	<4.12E-05	<3.78E-05	<4.00E-05	<3.78E-05	<4.07E-05	<4.08E-05	<3.81E-05	<4.01E-05	<4.10E-05	<4.00E-05	<4.06E-05
T-402		0.00134	0.00138	0.00011	0.00017	0.00096	<3.83E-05	0.00029	<3.83E-05	<4.05E-05	<3.83E-05	0.00058	<4.13E-05	<3.85E-05	0.00015	<4.15E-05	<4.05E-05	<4.11E-05
T-403		0.00042	0.00108	<4.46E-05	0.00009	0.00021	<4.22E-05	<4.59E-05	<4.22E-05	<4.45E-05	<4.22E-05	0.00299	<4.55E-05	<4.24E-05	<4.46E-05	<4.56E-05	<4.46E-05	<4.52E-05
T-404		0.00173	0.00033	0.00068	0.00101	0.00175	0.00028	0.00127	0.00012	<5.44E-05	0.00041	0.00145	0.00018	0.00069	0.00164	0.00021	0.00047	<5.52E-05
T-405		0.00020	0.00127	<4.48E-05	<4.20E-05	<4.64E-05	<4.24E-05	<4.61E-05	<4.24E-05	<4.48E-05	<4.24E-05	0.00326	<4.57E-05	<4.26E-05	<4.49E-05	<4.59E-05	<4.48E-05	<4.54E-05
T-406		<4.52E-03	0.00991	<4.32E-03	0.05342	0.00912	<4.08E-03	0.01699	<4.08E-03	<4.31E-03	0.00833	<4.39E-03	<4.40E-03	<4.11E-03	<4.32E-03	0.00928	<4.32E-03	0.00919
T-407		0.00017	0.00089	<3.95E-05	0.00011	<4.09E-05	<3.74E-05	<4.07E-05	<3.74E-05	<3.95E-05	<3.74E-05	<4.02E-05	<4.03E-05	<3.76E-05	<3.96E-05	<4.05E-05	<3.95E-05	<4.01E-05
T-408		0.00150	0.00151	0.00035	0.00022	0.00019	<3.86E-05	0.00024	<3.86E-05	<4.07E-05	0.00008	<4.15E-05	<4.16E-05	0.00014	0.00052	<4.17E-05	0.00034	<4.14E-05
T-409		0.00022	0.00142	<5.06E-05	0.00018	<5.24E-05	<4.79E-05	<5.21E-05	<4.79E-05	<5.05E-05	<4.79E-05	0.00372	<5.16E-05	<4.81E-05	<5.06E-05	<5.18E-05	<5.06E-05	<5.13E-05
T-410		0.00027	0.00032	<4.81E-05	<4.51E-05	<4.97E-05	<4.55E-05	<4.95E-05	<4.55E-05	<4.80E-05	<4.55E-05	<4.89E-05	<4.90E-05	0.00021	0.00066	<4.92E-05	<4.80E-05	<4.87E-05
T-411		0.00058	0.00095	0.00013	<5.36E-05	0.00048	<5.41E-05	<5.88E-05	0.00016	<5.71E-05	0.00024	0.00402	<5.83E-05	<5.44E-05	<5.72E-05	<5.85E-05	<5.72E-05	<5.80E-05
T-412		0.04802	0.01316	0.01660	0.00681	0.02859	0.00672	0.01958	0.00367	0.01937	0.00438	0.01145	0.00935	<1.14E-04	<1.19E-04	0.00508	0.00810	<1.21E-04
T-413		0.03454	0.00708	0.01044	0.01803	0.03105	0.01010	0.01136	0.00758	0.01434	0.00587	0.01929	0.01859	<3.73E-05	0.00010	0.01185	0.01636	<3.97E-05
T-414		0.00020	0.00014	0.00017	<3.52E-05	0.00017	<3.55E-05	<3.86E-05	<3.55E-05	<3.75E-05	<3.55E-05	<3.82E-05	<3.83E-05	<3.57E-05	0.00090	<3.84E-05	<3.75E-05	<3.80E-05
T-501		0.00034	0.00054	<6.37E-05	<5.98E-05	0.00030	0.00019	<6.56E-05	0.00014	<6.37E-05	0.00015	0.00375	<6.50E-05	0.00032	<6.38E-05	<6.52E-05	<6.37E-05	<6.46E-05
T-502		0.00015	0.00042	<6.13E-05	<5.75E-05	<6.35E-05	<5.80E-05	<6.31E-05	<5.80E-05	<6.13E-05	<5.80E-05	0.00324	<6.26E-05	<5.84E-05	<6.14E-05	<6.28E-05	<6.13E-05	<6.22E-05
T-503		0.00015	0.00110	0.00014	<4.34E-05	0.00014	<4.37E-05	<4.76E-05	<4.37E-05	<4.62E-05	<4.37E-05	<4.70E-05	<4.72E-05	0.00010	0.00014	<4.73E-05	<4.62E-05	<4.69E-05
T-504		0.00184	0.00134	0.00085	0.00032	0.00120	0.00029	0.00108	0.00020	0.00081	0.00027	<5.32E-05	<5.34E-05	<4.98E-05	0.00011	0.00103	<5.23E-05	<5.31E-05
T-505		0.00054	0.00152	0.00031	<5.51E-05	<6.08E-05	<5.56E-05	<6.04E-05	<5.56E-05	<5.87E-05	0.00014	<5.98E-05	<5.99E-05	0.00051	0.00016	<6.01E-05	<5.87E-05	<5.96E-05
T-506		0.00026	<6.54E-05	0.00014	<5.72E-05	<6.31E-05	<5.77E-05	<6.27E-05	<5.77E-05	<6.09E-05	<5.77E-05	<6.20E-05	<6.22E-05	<5.80E-05	<6.10E-05	<6.24E-05	<6.09E-05	<6.18E-05
T-507		0.00024	<5.84E-05	0.00012	<5.10E-05	<5.63E-05	<5.15E-05	<5.60E-05	<5.15E-05	<5.44E-05	<5.15E-05	<5.54E-05	<5.55E-05	<5.18E-05	<5.45E-05	<5.57E-05	<5.44E-05	<5.52E-05
T-508		0.00023	<5.27E-05	0.00016	<4.61E-05	<5.08E-05	<4.65E-05	<5.05E-05	<4.65E-05	<4.91E-05	<4.65E-05	<5.00E-05	<5.01E-05	<4.67E-05	<4.92E-05	<5.03E-05	<4.91E-05	<4.98E-05
T-509		0.00052	<4.42E-05	0.00044	<3.87E-05	<4.27E-05	<3.90E-05	<4.25E-05	<3.90E-05	<4.12E-05	<3.90E-05	<4.20E-05	<4.21E-05	<3.93E-05	<4.13E-05	<4.22E-05	<4.12E-05	<4.18E-05
T-510		0.00021	<5.17E-05	<4.82E-05	<4.52E-05	<4.99E-05	<4.56E-05	<4.96E-05	<4.56E-05	<4.81E-05	<4.56E-05	<4.90E-05	<4.91E-05	<4.59E-05	<4.82E-05	<4.93E-05	<4.82E-05	<4.89E-05
T-511		0.00009	<4.23E-05	<3.94E-05	<3.70E-05	<4.08E-05	<3.73E-05	<4.06E-05	<3.73E-05	<3.94E-05	<3.73E-05	<4.01E-05	<4.02E-05	<3.75E-05	<3.95E-05	<4.04E-05	<3.94E-05	<4.00E-05
T-512		0.00036	0.00170	0.00024	<6.00E-05	0.00014	<6.06E-05	<6.59E-05	<6.06E-05	<6.40E-05	<6.06E-05	<6.51E-05	<6.53E-05	<6.09E-05	<6.41E-05	<6.56E-05	<6.40E-05	<6.49E-05
T-513		0.00024	0.00097	0.00012	<5.12E-05	0.00030	<5.17E-05	<5.62E-05	<5.17E-05	<5.46E-05	<5.17E-05	<5.56E-05	<5.57E-05	<5.20E-05	<5.47E-05	<5.59E-05	<5.46E-05	<5.54E-05
T-514		0.0002	<5.45E-05	<5.08E-05	<4.77E-05	<5.26E-05	<4.81E-05	<5.23E-05	<4.81E-05	<5.08E-05	<4.81E-05	<5.17E-05	<5.18E-05	<4.84E-05	<5.09E-05	<5.20E-05	<5.08E-05	<5.15E-05

Table 4.3b TO-14 Compounds (Flux in mg/m2-min for only compounds with at least one detect).

	Compound	3-Methylpentane	1,3-Diethylbenzene	1,2,4-Trimethylbenzene	4-Ethyltoluene	n-Nonane	n-Pentane	Cyclohexane	2-Ethyltoluene	Benzene	1-Pentene	2-Methylpentane	c-2-Pentene	t-2-Butene	2-Methylheptane	Styrene	2,4-Dimethylpentane	3-Methylhexane
	CAS	96-14-0	141-93-5	95-63-6	622-96-8	111-84-2	109-66-0	110-82-7	611-14-3	71-43-2	109-67-1	107-83-5	627-20-3	624-64-6	592-27-8	100-42-5	108-08-7	589-34-4
Sample ID	MW	86.2	134.2	120.2	120.2	128.3	72.1	84.2	120.2	78.1	70.1	86.2	70.1	56.1	114.2	104.2	100.2	100.2
T-101		<4.69E-05	<4.38E-05	<4.36E-05	<4.36E-05	<4.66E-05	<4.71E-05	<4.59E-05	<4.36E-05	<4.25E-05	<4.58E-05	<4.69E-05	<4.58E-05	<4.58E-05	<4.66E-05	<4.26E-05	<4.68E-05	<4.68E-05
T-102		<3.97E-05	<3.71E-05	<3.69E-05	<3.69E-05	<3.94E-05	<3.99E-05	<3.88E-05	<3.69E-05	<3.60E-05	<3.88E-05	<3.97E-05	<3.88E-05	<3.88E-05	<3.95E-05	<3.60E-05	<3.96E-05	<3.96E-05
T-103		0.00009	0.00028	0.00010	0.00013	<4.24E-05	<4.29E-05	<4.17E-05	0.00135	<3.87E-05	<4.17E-05	<4.27E-05	<4.17E-05	<4.17E-05	<4.25E-05	<3.87E-05	<4.26E-05	<4.26E-05
T-104		<4.23E-05	<3.95E-05	<3.93E-05	<3.93E-05	<4.19E-05	<4.24E-05	0.00062	<3.93E-05	<3.83E-05	<4.13E-05	<4.23E-05	<4.13E-05	0.00009	0.00010	<3.83E-05	<4.21E-05	<4.21E-05
T-105		0.00064	0.00014	0.00018	0.00016	<4.06E-05	<4.11E-05	<4.00E-05	<3.80E-05	0.00013	<3.99E-05	0.00022	<3.99E-05	0.00008	0.00012	<3.71E-05	0.00038	<4.08E-05
T-106		<3.98E-05	0.00013	<3.70E-05	0.00021	0.00010	0.00206	0.00045	<3.70E-05	<3.61E-05	<3.89E-05	<3.98E-05	<3.89E-05	<3.89E-05	0.00022	<3.61E-05	<3.97E-05	<3.97E-05
T-107		0.00047	<3.90E-05	<3.88E-05	<3.88E-05	<4.14E-05	0.00016	<4.07E-05	<3.88E-05	<3.78E-05	<4.07E-05	0.00022	<4.07E-05	<4.07E-05	<4.14E-05	<3.78E-05	0.00057	<4.16E-05
T-108		0.00015	<5.18E-05	<5.15E-05	<5.15E-05	<5.50E-05	<5.56E-05	<5.41E-05	<5.15E-05	<5.02E-05	0.00026	0.00014	<5.41E-05	0.00014	<5.51E-05	<5.02E-05	0.00024	<5.52E-05
T-109		<5.13E-05	<4.79E-05	0.00179	0.00096	0.00052	<5.15E-05	<5.01E-05	0.00035	0.00104	<5.01E-05	<5.13E-05	<5.01E-05	<5.01E-05	<5.10E-05	<4.65E-05	<5.11E-05	<5.11E-05
T-110		0.00014	0.00031	0.00008	<3.81E-05	<4.07E-05	<4.11E-05	<4.00E-05	<3.81E-05	0.00010	<4.00E-05	<4.10E-05	<4.00E-05	<4.00E-05	<4.07E-05	<3.72E-05	0.00016	<4.08E-05
T-111		0.00017	<5.55E-05	<5.52E-05	<5.52E-05	<5.90E-05	<5.96E-05	<5.80E-05	<5.52E-05	<5.38E-05	<5.80E-05	<5.94E-05	<5.80E-05	<5.80E-05	<5.90E-05	<5.39E-05	<5.92E-05	<5.92E-05
T-112		<1.07E-04	<9.97E-05	0.00075	0.00032	0.00023	<1.07E-04	<1.04E-04	<9.92E-05	0.00054	<1.04E-04	<1.07E-04	<1.04E-04	<1.04E-04	<1.06E-04	<9.68E-05	<1.06E-04	<1.06E-04
T-113		<4.44E-05	<4.15E-05	0.00138	0.00073	0.00046	<4.46E-05	<4.34E-05	0.00025	0.00090	<4.34E-05	<4.44E-05	<4.34E-05	<4.34E-05	<4.42E-05	<4.03E-05	<4.43E-05	<4.43E-05
T-114		<4.48E-05	<4.19E-05	<4.17E-05	<4.17E-05	<4.45E-05	<4.50E-05	<4.38E-05	<4.17E-05	<4.06E-05	<4.38E-05	<4.48E-05	<4.38E-05	<4.38E-05	<4.46E-05	<4.07E-05	<4.47E-05	<4.47E-05
T-201		0.00052	0.00021	0.00049	0.00010	<4.21E-05	<4.26E-05	<4.14E-05	0.00131	<3.84E-05	<4.14E-05	<4.24E-05	<4.14E-05	<4.14E-05	<4.21E-05	<3.84E-05	<4.22E-05	<4.22E-05
T-202		<4.57E-05	<4.27E-05	<4.25E-05	<4.25E-05	<4.54E-05	<4.59E-05	<4.47E-05	<4.25E-05	<4.14E-05	<4.46E-05	<4.57E-05	<4.46E-05	<4.47E-05	<4.54E-05	<4.15E-05	<4.56E-05	<4.56E-05
T-203		<4.92E-05	<4.60E-05	<4.58E-05	<4.58E-05	<4.89E-05	<4.94E-05	<4.81E-05	<4.58E-05	<4.46E-05	<4.80E-05	<4.92E-05	<4.80E-05	<4.81E-05	<4.89E-05	<4.46E-05	<4.91E-05	<4.91E-05
T-204		0.00850	<4.09E-05	<4.07E-05	0.00900	0.02597	0.00320	0.00446	0.00616	0.00622	0.00287	0.00223	0.00055	0.00074	0.01386	0.01060	0.00348	0.00672
T-205		<5.96E-05	0.00184	0.00012	0.00038	<5.92E-05	<5.99E-05	<5.83E-05	<5.54E-05	<5.40E-05	<5.82E-05	<5.96E-05	<5.82E-05	<5.82E-05	<5.93E-05	<5.41E-05	<5.94E-05	<5.94E-05
T-206		0.00018	<5.92E-05	<5.89E-05	0.00024	<6.29E-05	<6.36E-05	<6.19E-05	<5.89E-05	<5.74E-05	<6.18E-05	<6.33E-05	<6.18E-05	<6.18E-05	<6.29E-05	<5.74E-05	<6.31E-05	<6.31E-05
T-207		0.00073	<7.10E-05	<7.06E-05	0.00063	<7.54E-05	<7.63E-05	0.00016	0.00016	0.00022	<7.42E-05	<7.60E-05	<7.42E-05	0.00090	<7.55E-05	<6.89E-05	<7.57E-05	0.00017
T-208		0.00171	0.08052	0.02276	0.01895	0.01177	0.00131	0.00104	0.00552	0.00111	0.00123	0.00086	0.00020	<8.62E-05	0.00098	0.00075	0.00033	0.00196
T-209		0.00062	<6.70E-05	0.00032	0.00044	0.00016	<7.20E-05	<7.01E-05	0.00018	0.00052	<7.00E-05	<7.18E-05	<7.00E-05	0.00016	<7.13E-05	0.00025	<7.15E-05	0.00015
T-210		0.00064	<7.50E-05	0.00055	0.00045	<7.96E-05	<8.06E-05	<7.84E-05	<7.46E-05	<7.27E-05	<7.83E-05	<8.03E-05	<7.83E-05	<7.83E-05	<7.97E-05	<7.28E-05	<8.00E-05	<8.00E-05
T-211		<8.48E-05	0.00032	<7.88E-05	<7.88E-05	<8.41E-05	<8.51E-05	<8.28E-05	<7.88E-05	<7.68E-05	<8.27E-05	<8.48E-05	<8.27E-05	<8.28E-05	<8.42E-05	<7.69E-05	<8.45E-05	<8.45E-05
T-212		0.00056	0.00406	0.01266	0.00568	0.00287	0.00054	0.00042	0.01195	0.00058	0.00052	0.00039	0.00013	<4.92E-05	0.00119	0.00140	0.00021	0.00034
T-213		0.00039	0.00813	0.01360	0.00394	0.00160	0.00062	0.00034	0.00831	0.00098	0.00076	0.00037	0.00037	<9.89E-05	0.00092	0.00120	0.00025	0.00052
T-214		<4.95E-05	<4.62E-05	<4.60E-05	<4.60E-05	<4.91E-05	<4.96E-05	<4.83E-05	<4.60E-05	<4.48E-05	<4.83E-05	<4.95E-05	<4.83E-05	<4.83E-05	<4.91E-05	<4.48E-05	<4.93E-05	<4.93E-05
T-301		0.00027	<3.89E-05	<3.88E-05	<3.88E-05	<4.14E-05	<4.19E-05	<4.07E-05	0.00030	<3.78E-05	<4.07E-05	<4.17E-05	<4.07E-05	<4.07E-05	0.00009	<3.78E-05	<4.15E-05	<4.15E-05
T-302		<5.72E-05	<5.34E-05	<5.32E-05	<5.32E-05	<5.68E-05	<5.74E-05	<5.59E-05	<5.32E-05	<5.18E-05	<5.58E-05	<5.72E-05	<5.58E-05	<5.59E-05	<5.69E-05	<5.19E-05	<5.70E-05	<5.70E-05
T-303		<6.23E-05	<5.82E-05	<5.79E-05	<5.79E-05	<6.18E-05	<6.25E-05	<6.09E-05	<5.79E-05	<5.65E-05	<6.08E-05	<6.23E-05	<6.08E-05	<6.08E-05	<6.19E-05	<5.65E-05	<6.21E-05	<6.21E-05
T-304		<6.75E-05	0.00020	0.00029	0.00021	0.00017	0.01392	0.00023	<6.27E-05	<6.11E-05	<6.58E-05	<6.75E-05	0.02364	0.00055	<6.70E-05	0.00093	<6.72E-05	<6.72E-05
T-305		0.00091	<4.81E-05	<4.79E-05	<4.79E-05	<5.11E-05	<5.17E-05	<5.03E-05	<4.79E-05	<4.67E-05	<5.03E-05	0.00044	<5.03E-05	0.00013	<5.12E-05	<4.67E-05	0.00111	<5.13E-05
T-306		0.00069	0.00059	0.00026	0.00018	<4.99E-05	<5.04E-05	0.00024	0.00163	0.00011	0.00010	<5.02E-05	<4.90E-05	<4.91E-05	0.00031	<4.56E-05	<5.01E-05	0.00032
T-307		<5.87E-05	<5.48E-05	<5.45E-05	<5.45E-05	<5.82E-05	<5.89E-05	<5.73E-05	<5.45E-05	<5.32E-05	0.00034	<5.87E-05	<5.73E-05	0.00013	<5.83E-05	<5.32E-05	<5.85E-05	<5.85E-05
T-308		0.00073	0.00014	0.00068	0.00109	0.00066	0.00225	0.00735	<4.55E-05	0.00293	0.00056	<4.89E-05	<4.77E-05	<4.78E-05	0.00342	0.00350	0.00124	0.00017
T-309		<4.26E-05	0.00022	0.00025	<3.96E-05	<4.23E-05	<4.28E-05	<4.16E-05	<3.96E-05	<3.86E-05	<4.16E-05	0.00011	<4.16E-05	<4.16E-05	<4.24E-05	<3.86E-05	<4.25E-05	0.00009
T-310		0.00236	<5.72E-05	0.00021	<5.69E-05	<6.08E-05	<6.15E-05	<5.98E-05	<5.69E-05	0.00022	<5.98E-05	<6.13E-05	<5.98E-05	<5.98E-05	<6.09E-05	<5.55E-05	<6.10E-05	<6.10E-05
T-311		0.00059	<6.80E-05	0.00035	<6.77E-05	<7.22E-05	<7.31E-05	<7.11E-05	0.00017	<6.60E-05	<7.10E-05	<7.28E-05	<7.10E-05	<7.11E-05	<7.23E-05	<6.60E-05	0.00021	<7.25E-05
T-312		<5.27E-05	<4.92E-05	<4.90E-05	<4.90E-05	<5.23E-05	<5.29E-05	<5.15E-05	<4.90E-05	<4.77E-05	<5.14E-05	<5.27E-05	<5.14E-05	<5.14E-05	<5.23E-05	<4.78E-05	<5.25E-05	<5.25E-05
T-313		<4.40E-05	<4.11E-05	<4.09E-05	<4.09E-05	<4.37E-05	<4.42E-05	<4.30E-05	<4.09E-05	<3.99E-05	<4.30E-05	<4.40E-05	<4.30E-05	<4.30E-05	<4.38E-05	<3.99E-05	<4.39E-05	<4.39E-05
T-314		<5.36E-05	<5.01E-05	<4.98E-05	<4.98E-05	<5.32E-05	<5.38E-05	<5.24E-05	<4.98E-05	<4.86E-05	<5.23E-05	<5.36E-05	<5.23E-05	<5.23E-05	<5.33E-05	<4.86E-05	<5.34E-05	<5.34E-05
T-401		<4.10E-05	<3.83E-05	<3.81E-05	<3.81E-05	<4.06E-05	<4.11E-05	<4.00E-05	<3.81E-05	<3.71E-05	<4.00E-05	<4.10E-05	<4.00E-05	<4.00E-05	<4.07E-05	<3.71E-05	<4.08E-05	<4.08E-05
T-402		<4.15E-05	<3.87E-05	<3.85E-05	<3.85E-05	<4.11E-05	0.00010	0.00009	0.00008	<3.76E-05	0.00011	<4.15E-05	<4.05E-05	<4.05E-05	<4.12E-05	<3.76E-05	<4.13E-05	<4.13E-05
T-403		<4.56E-05	<4.26E-05	<4.24E-05	<4.24E-05	<4.53E-05	<4.58E-05	<4.46E-05	<4.24E-05	<4.13E-05	<4.45E-05	<4.56E-05	<4.45E-05	<4.45E-05	<4.53E-05	<4.14E-05	<4.55E-05	<4.55E-05
T-404		0.00016	0.00016	0.00032	<5.18E-05	<5.53E-05	0.00023	0.00037	0.00014	0.00018	0.00036	0.00015	<5.44E-05	<5.44E-05	<5.53E-05	<5.05E-05	<5.55E-05	0.00024
T-405		<4.59E-05	<4.29E-05	<4.26E-05	<4.26E-05	<4.55E-05	<4.60E-05	<4.48E-05	<4.26E-05	<4.16E-05	<4.48E-05	<4.59E-05	<4.48E-05	<4.48E-05	<4.56E-05	<4.16E-05	<4.57E-05	<4.57E-05
T-406		0.03116	<4.13E-03	0.01646	<4.11E-03	<4.39E-03	<4.44E-03	<4.32E-03	<4.11E-03	<4.01E-03	<4.31E-03	<4.42E-03	<4.31E-03	<4.32E-03	<4.39E-03	0.00818	<4.40E-03	<4.40E-03
T-407		0.00035	<3.78E-05	<3.76E-05	<3.76E-05	<4.02E-05	<4.06E-05	<3.95E-05	<3.76E-05	<3.67E-05	<3.95E-05	0.00009	<3.95E-05	<3.95E-05	<4.02E-05	<3.67E-05	<4.03E-05	<4.03E-05
T-408		0.00016	<3.90E-05	0.00008	<3.88E-05	<4.14E-05	0.00018	0.00019	0.00009	<3.78E-05	0.00016	0.00017	<4.07E-05	<4.08E-05	<4.15E-05	<3.79E-05	0.00018	0.00010
T-409		<5.18E-05	<4.84E-05	<4.81E-05	<4.81E-05	<5.14E-05	<5.20E-05	<5.06E-05	<4.81E-05	<4.69E-05	<5.05E-05	<5.18E-05	<5.05E-05	<5.06E-05	<5.15E-05	0.00027	<5.16E-05	<5.16E-05
T-410		<4.92E-05	<4.60E-05	<4.57E-05	<4.57E-05	<4.88E-05	<4.94E-05	<4.81E-05	0.00031	0.00010	<4.80E-05	<4.92E-05	<4.80E-05	<4.80E-05	<4.89E-05	<4.46E-05	<4.90E-05	<4.90E-05
T-411		0.00487	<5.47E-05	0.00028	<5.44E-05	<5.81E-05	<5.88E-05	<5.72E-05	<5.44E-05	<5.30E-05	<5.71E-05	<5.85E-05	<5.71E-05	<5.71E-05	0.00045	<5.31E-05	<5.83E-05	<5.83E-05
T-412		0.00836	0.00215	0.00605	0.01250	0.00293	0.00073	0.00262	0.00342	0.00297	0.00680	0.00799	0.00335	0.00582	0.00170	0.00292	0.00434	0.00342
T-413		0.00764	0.00374	0.00421	0.00120	0.00352	0.00441	0.00923	0.00269	0.00585	0.00670	0.01107	0.00035	0.00662	0.00615	0.00455	0.00955	0.00868
T-414		<3.84E-05	<3.59E-05	<3.57E-05	<3.57E-05	<3.81E-05	<3.85E-05	<3.75E-05	<3.57E-05	<3.48E-05	<3.75E-05	<3.84E-05	<3.75E-05	<3.75E-05	<3.82E-05	<3.48E-05	<3.83E-05	<3.83E-05
T-501		<6.52E-05	<6.09E-05	<6.07E-05	<6.07E-05	<6.47E-05	<6.55E-05	<6.37E-05	<6.07E-05	<5.91E-05	<6.37E-05	<6.52E-05	<6.37E-05	<6.37E-05	<6.48E-05	<5.92E-05	<6.50E-05	<6.50E-05
T-502		<6.28E-05	<5.87E-05	<5.84E-05	<5.84E-05	<6.23E-05	<6.30E-05	<6.13E-05	<5.84E-05	<5.69E-05	<6.13E-05	<6.28E-05	<6.13E-05	<6.13E-05	<6.24E-05	<5.69E-05	<6.26E-05	<6.26E-05
T-503		<4.73E-05	<4.42E-05	<4.40E-05	<4.40E-05	<4.70E-05	<4.75E-05	<4.62E-05	<4.40E-05	<4.29E-05	<4.62E-05	<4.73E-05	<4.62E-05	<4.62E-05	<4.70E-05	<4.29E-05	<4.72E-05	<4.72E-05
T-504		<5.36E-05	0.00022	<4.98E-05	<4.98E-05	<5.31E-05	0.00016	0.00040	<4.98E-05	0.00033	0.00013	<5.36E-05	<5.23E-05	<5.23E-05	<5.32E-05	<4.86E-05	<5.34E-05	0.00016
T-505		<6.01E-05	0.00024	0.00028	<5.59E-05	<5.97E-05	<6.04E-05	<5.87E-05	<5.59E-05	<5.45E-05	<5.87E-05	<6.01E-05	0.00042	<5.87E-05	<5.98E-05	0.00025	<5.99E-05	<5.99E-05
T-506		<6.24E-05	<5.83E-05	<5.80E-05	<5.80E-05	<6.19E-05	<6.26E-05	<6.10E-05	<5.80E-05	<5.66E-05	<6.09E-05	<6.24E-05	<6.09E-05	0.00014	<6.20E-05	<5.66E-05	<6.22E-05	<6.22E-05
T-507		<5.57E-05	<5.21E-05	<5.18E-05	<5.18E-05	<5.53E-05	<5.59E-05	<5.44E-05	<5.18E-05	<5.05E-05	<5.44E-05	<5.57E-05	<5.44E-05	0.00013	<5.54E-05	<5.05E-05	<5.55E-05	<5.55E-05
T-508		<5.03E-05	<4.70E-05	<4.67E-05	<4.67E-05	<4.99E-05	<5.05E-05	<4.91E-05	<4.67E-05	<4.56E-05	<4.91E-05	<5.03E-05	<4.91E-05	0.00011	<5.00E-05	<4.56E-05	<5.01E-05	<5.01E-05
T-509		<4.22E-05	<3.95E-05	<3.93E-05	<3.93E-05	<4.19E-05	<4.24E-05	<4.13E-05	<3.93E-05	<3.83E-05	<4.12E-05	<4.22E-05	<4.12E-05	<4.12E-05	<4.20E-05	<3.83E-05	<4.21E-05	<4.21E-05
T-510		<4.93E-05	<4.61E-05	<4.59E-05	<4.59E-05	<4.89E-05	<4.95E-05	<4.82E-05	<4.59E-05	<4.47E-05	<4.81E-05	<4.93E-05	<4.81E-05	<4.81E-05	<4.90E-05	<4.47E-05	<4.91E-05	<4.91E-05
T-511		<4.04E-05	<3.77E-05	<3.75E-05	<3.75E-05	<4.01E-05	<4.05E-05	<3.94E-05	<3.75E-05	<3.66E-05	<3.94E-05	<4.04E-05	<3.94E-05	<3.94E-05	<4.01E-05	<3.66E-05	<4.02E-05	<4.02E-05
T-512		<6.56E-05	<6.12E-05	<6.09E-05	<6.09E-05	<6.50E-05	<6.58E-05	<6.40E-05	<6.09E-05	<5.94E-05	<6.40E-05	<6.56E-05	<6.40E-05	<6.40E-05	<6.51E-05	<5.94E-05	<6.53E-05	<6.53E-05
T-513		<5.59E-05	<5.23E-05	<5.20E-05	<5.20E-05	<5.55E-05	<5.61E-05	<5.46E-05	<5.20E-05	<5.07E-05	<5.46E-05	<5.59E-05	<5.46E-05	<5.46E-05	<5.56E-05	<5.07E-05	<5.57E-05	<5.57E-05
T-514		<5.20E-05	<4.86E-05	<4.84E-05	<4.84E-05	<5.16E-05	<5.22E-05	<5.08E-05	<4.84E-05	<4.71E-05	<5.08E-05	<5.20E-05	<5.08E-05	<5.08E-05	<5.17E-05	<4.72E-05	<5.18E-05	<5.18E-05

Table 4.3c TO-14 Compounds (Flux in mg/m2-min for only compounds with at least one detect).

	Compound	n-Octane	2-Methylhexane	i-Propylbenzene	1,3,5-Trimethylbenzene	3-Methylheptane	2,3,4-Trimethylpentane	c-2-Butene	t-2-Pentene	2,3-Dimethylpentane	1,4-Diethylbenzene	Methylcyclopentane	1-Butene	2,2-Dimethylbutane	3-Ethyltoluene	1,2,3-Trimethylbenzene	i-Butane	Undecane
	CAS	111-65-9	591-76-4	98-82-8	108-67-8	589-81-1	565-75-3	590-18-1	646-04-8	565-59-3	105-05-5	96-37-7	106-98-9	75-83-2	620-14-4	526-73-8	75-28-5	1120-21-4
Sample ID	MW	114.2	100.2	120.2	120.2	114.2	114.2	56.1	70.1	100.2	134.2	84.2	56.1	86.2	120.2	120.2	58.1	156.3
T-101		<4.66E-05	<4.68E-05	<4.36E-05	<4.36E-05	<4.66E-05	<4.66E-05	<4.58E-05	<4.58E-05	<4.68E-05	<4.38E-05	<4.59E-05	<4.58E-05	<4.69E-05	<4.36E-05	<4.36E-05	<4.75E-05	<4.64E-05
T-102		<3.95E-05	<3.96E-05	<3.69E-05	<3.69E-05	<3.95E-05	<3.95E-05	<3.88E-05	<3.88E-05	<3.96E-05	<3.71E-05	<3.88E-05	<3.88E-05	<3.97E-05	<3.69E-05	<3.69E-05	<4.02E-05	<3.93E-05
T-103		<4.25E-05	0.00013	0.00011	<3.97E-05	<4.25E-05	<4.25E-05	<4.17E-05	<4.17E-05	<4.26E-05	0.00066	<4.17E-05	<4.17E-05	<4.27E-05	0.00020	<3.97E-05	<4.32E-05	0.00017
T-104		<4.20E-05	<4.21E-05	<3.93E-05	<3.93E-05	0.00011	0.00038	0.00016	<4.13E-05	<4.21E-05	<3.95E-05	0.00193	<4.13E-05	<4.23E-05	0.00015	<3.93E-05	<4.27E-05	<4.18E-05
T-105		<4.07E-05	<4.08E-05	<3.80E-05	<3.80E-05	0.00045	<4.07E-05	<4.00E-05	0.00021	0.00052	<3.82E-05	<4.00E-05	0.00015	<4.09E-05	<3.80E-05	<3.80E-05	<4.14E-05	<4.05E-05
T-106		<3.96E-05	<3.97E-05	<3.70E-05	<3.70E-05	<3.96E-05	<3.96E-05	<3.89E-05	0.00029	<3.97E-05	<3.72E-05	<3.89E-05	<3.89E-05	0.00025	<3.70E-05	<3.70E-05	<4.03E-05	<3.94E-05
T-107		<4.14E-05	<4.16E-05	<3.88E-05	<3.88E-05	<4.14E-05	<4.14E-05	<4.07E-05	0.00022	<4.16E-05	<3.90E-05	<4.07E-05	<4.07E-05	<4.17E-05	<3.88E-05	<3.88E-05	<4.22E-05	<4.13E-05
T-108		<5.51E-05	<5.52E-05	<5.15E-05	<5.15E-05	<5.51E-05	<5.51E-05	<5.41E-05	<5.41E-05	<5.52E-05	<5.18E-05	<5.41E-05	<5.41E-05	<5.54E-05	<5.15E-05	<5.15E-05	<5.60E-05	<5.48E-05
T-109		0.00025	<5.11E-05	0.00035	0.00045	<5.10E-05	0.00020	<5.01E-05	<5.01E-05	<5.11E-05	0.00023	<5.01E-05	<5.01E-05	<5.13E-05	<4.77E-05	<4.77E-05	<5.19E-05	<5.07E-05
T-110		<4.07E-05	<4.08E-05	<3.81E-05	0.00014	<4.07E-05	<4.07E-05	<4.00E-05	<4.00E-05	<4.08E-05	<3.83E-05	<4.00E-05	0.00008	<4.10E-05	<3.81E-05	<3.81E-05	<4.14E-05	<4.05E-05
T-111		<5.90E-05	<5.92E-05	<5.52E-05	<5.52E-05	<5.90E-05	<5.90E-05	<5.80E-05	<5.80E-05	<5.92E-05	<5.55E-05	<5.80E-05	<5.80E-05	<5.94E-05	<5.52E-05	<5.52E-05	<6.01E-05	<5.88E-05
T-112		<1.06E-04	<1.06E-04	<9.92E-05	<9.92E-05	<1.06E-04	<1.06E-04	<1.04E-04	<1.04E-04	<1.06E-04	<9.97E-05	<1.04E-04	<1.04E-04	<1.07E-04	<9.92E-05	<9.92E-05	<1.08E-04	<1.06E-04
T-113		0.00023	<4.43E-05	0.00029	<4.13E-05	<4.42E-05	0.00020	<4.34E-05	<4.34E-05	<4.43E-05	<4.15E-05	<4.34E-05	0.00009	<4.44E-05	<4.13E-05	<4.13E-05	<4.49E-05	<4.40E-05
T-114		<4.46E-05	<4.47E-05	<4.17E-05	<4.17E-05	<4.46E-05	<4.46E-05	<4.38E-05	<4.38E-05	<4.47E-05	<4.19E-05	<4.38E-05	<4.38E-05	<4.48E-05	<4.17E-05	<4.17E-05	<4.53E-05	<4.44E-05
T-201		<4.21E-05	0.00066	0.00019	0.00011	0.00142	<4.21E-05	<4.14E-05	<4.14E-05	<4.22E-05	0.00010	<4.14E-05	<4.14E-05	<4.24E-05	0.00022	0.00011	<4.29E-05	<4.19E-05
T-202		<4.54E-05	<4.56E-05	<4.25E-05	<4.25E-05	<4.54E-05	<4.54E-05	<4.47E-05	<4.46E-05	<4.56E-05	<4.27E-05	<4.47E-05	<4.47E-05	<4.57E-05	<4.25E-05	<4.25E-05	<4.62E-05	<4.52E-05
T-203		<4.89E-05	<4.91E-05	<4.58E-05	<4.58E-05	<4.89E-05	<4.89E-05	<4.81E-05	<4.80E-05	<4.91E-05	<4.60E-05	<4.81E-05	<4.81E-05	<4.92E-05	<4.58E-05	<4.58E-05	<4.98E-05	<4.87E-05
T-204		0.01302	0.00427	0.00698	0.00593	0.00451	0.00451	0.00081	0.00072	0.00362	0.00068	<4.27E-05	0.00074	0.00098	<4.07E-05	<4.07E-05	<4.42E-05	0.00010
T-205		<5.93E-05	<5.94E-05	<5.54E-05	<5.54E-05	<5.93E-05	<5.93E-05	<5.82E-05	<5.82E-05	<5.94E-05	<5.57E-05	<5.83E-05	0.00020	<5.96E-05	<5.54E-05	<5.54E-05	<6.03E-05	<5.90E-05
T-206		0.00026	<6.31E-05	<5.89E-05	<5.89E-05	<6.29E-05	<6.29E-05	<6.18E-05	<6.18E-05	<6.31E-05	<5.92E-05	<6.19E-05	0.00064	<6.33E-05	<5.89E-05	<5.89E-05	<6.40E-05	<6.27E-05
T-207		<7.55E-05	<7.57E-05	<7.06E-05	0.00027	<7.55E-05	<7.55E-05	<7.42E-05	<7.42E-05	<7.57E-05	<7.10E-05	<7.42E-05	0.00024	<7.60E-05	0.00015	<7.06E-05	<7.68E-05	<7.52E-05
T-208		0.00374	0.00118	0.00385	0.00361	0.00139	0.00110	<8.62E-05	0.00021	0.00056	0.00242	0.00058	<8.62E-05	0.00030	0.00312	<8.20E-05	<8.92E-05	0.00153
T-209		<7.13E-05	0.00017	<6.67E-05	0.00023	<7.13E-05	<7.13E-05	<7.01E-05	<7.00E-05	0.00033	0.00017	0.00021	<7.01E-05	<7.18E-05	0.00048	0.00212	<7.26E-05	0.00064
T-210		<7.97E-05	0.00018	<7.46E-05	<7.46E-05	<7.97E-05	<7.97E-05	<7.83E-05	<7.83E-05	<8.00E-05	<7.50E-05	<7.84E-05	0.00018	<8.03E-05	0.00019	<7.46E-05	<8.11E-05	<7.94E-05
T-211		<8.42E-05	<8.45E-05	<7.88E-05	<7.88E-05	<8.42E-05	<8.42E-05	<8.28E-05	<8.27E-05	<8.45E-05	<7.92E-05	<8.28E-05	<8.28E-05	<8.48E-05	<7.88E-05	<7.88E-05	<8.57E-05	<8.39E-05
T-212		0.00090	0.00019	0.00608	0.00426	0.00110	0.00050	<4.92E-05	0.00023	0.00017	0.00490	<4.92E-05	0.00117	0.00023	<4.68E-05	<4.68E-05	<5.09E-05	<4.98E-05
T-213		0.00066	<1.01E-04	0.00466	0.00394	0.00099	0.00030	0.00025	<9.88E-05	<1.01E-04	0.00929	<9.89E-05	0.00051	0.00042	<9.42E-05	<9.42E-05	<1.02E-04	0.00038
T-214		<4.91E-05	<4.93E-05	<4.60E-05	<4.60E-05	<4.91E-05	<4.91E-05	<4.83E-05	<4.83E-05	<4.93E-05	<4.62E-05	<4.83E-05	<4.83E-05	<4.95E-05	<4.60E-05	<4.60E-05	<5.00E-05	<4.89E-05
T-301		<4.14E-05	<4.15E-05	<3.88E-05	<3.88E-05	0.00028	<4.14E-05	<4.07E-05	<4.07E-05	<4.15E-05	0.00009	<4.07E-05	<4.07E-05	<4.17E-05	<3.88E-05	<3.88E-05	<4.22E-05	<4.12E-05
T-302		<5.69E-05	<5.70E-05	<5.32E-05	<5.32E-05	<5.69E-05	<5.69E-05	<5.59E-05	<5.58E-05	<5.70E-05	<5.34E-05	<5.59E-05	<5.59E-05	<5.72E-05	<5.32E-05	<5.32E-05	<5.79E-05	<5.66E-05
T-303		<6.19E-05	<6.21E-05	<5.79E-05	<5.79E-05	<6.19E-05	<6.19E-05	<6.08E-05	<6.08E-05	<6.21E-05	<5.82E-05	<6.09E-05	<6.08E-05	<6.23E-05	<5.79E-05	<5.79E-05	<6.30E-05	<6.16E-05
T-304		0.00015	<6.72E-05	<6.27E-05	<6.27E-05	<6.70E-05	<6.70E-05	<6.59E-05	0.01057	<6.72E-05	0.00020	<6.59E-05	<6.59E-05	<6.75E-05	0.00051	<6.27E-05	<6.82E-05	<6.67E-05
T-305		<5.12E-05	<5.13E-05	<4.79E-05	<4.79E-05	<5.12E-05	<5.12E-05	<5.03E-05	<5.03E-05	<5.13E-05	<4.81E-05	<5.03E-05	0.00013	<5.15E-05	<4.79E-05	<4.79E-05	<5.21E-05	<5.09E-05
T-306		<4.99E-05	<5.01E-05	0.00029	0.00024	0.00088	<4.99E-05	<4.91E-05	<4.90E-05	0.00072	<4.69E-05	<4.91E-05	0.00034	<5.02E-05	0.00038	0.00021	<5.08E-05	<4.97E-05
T-307		<5.83E-05	<5.85E-05	<5.45E-05	<5.45E-05	<5.83E-05	<5.83E-05	0.00012	<5.73E-05	<5.85E-05	<5.48E-05	<5.73E-05	<5.73E-05	<5.87E-05	<5.45E-05	<5.45E-05	<5.93E-05	<5.80E-05
T-308		<4.86E-05	0.00276	0.00104	0.00174	0.00273	0.00521	0.00144	<4.77E-05	0.00101	0.00042	0.00745	<4.78E-05	<4.89E-05	<4.55E-05	0.00049	<4.95E-05	<4.84E-05
T-309		0.00030	0.00053	<3.96E-05	<3.96E-05	<4.24E-05	<4.24E-05	<4.16E-05	<4.16E-05	<4.25E-05	0.00010	<4.16E-05	0.00017	<4.26E-05	0.00014	<3.96E-05	<4.31E-05	<4.22E-05
T-310		<6.09E-05	0.00188	<5.69E-05	<5.69E-05	<6.09E-05	<6.09E-05	<5.98E-05	<5.98E-05	<6.10E-05	<5.72E-05	<5.98E-05	<5.98E-05	<6.13E-05	<5.69E-05	<5.69E-05	<6.19E-05	<6.06E-05
T-311		<7.23E-05	<7.25E-05	<6.77E-05	0.00023	0.00031	<7.23E-05	<7.11E-05	<7.10E-05	0.00042	0.00015	<7.11E-05	0.00017	<7.28E-05	<6.77E-05	<6.77E-05	<7.36E-05	<7.20E-05
T-312		<5.23E-05	<5.25E-05	<4.90E-05	<4.90E-05	<5.23E-05	<5.23E-05	<5.14E-05	<5.14E-05	<5.25E-05	<4.92E-05	<5.15E-05	<5.14E-05	<5.27E-05	<4.90E-05	<4.90E-05	<5.33E-05	<5.21E-05
T-313		<4.38E-05	<4.39E-05	<4.09E-05	<4.09E-05	<4.38E-05	<4.38E-05	<4.30E-05	<4.30E-05	<4.39E-05	<4.11E-05	<4.30E-05	<4.30E-05	<4.40E-05	<4.09E-05	<4.09E-05	<4.45E-05	<4.36E-05
T-314		<5.33E-05	<5.34E-05	<4.98E-05	<4.98E-05	<5.33E-05	<5.33E-05	<5.23E-05	<5.23E-05	<5.34E-05	<5.01E-05	<5.24E-05	<5.23E-05	<5.36E-05	<4.98E-05	<4.98E-05	<5.42E-05	<5.30E-05
T-401		<4.07E-05	<4.08E-05	<3.81E-05	<3.81E-05	<4.07E-05	<4.07E-05	<4.00E-05	<4.00E-05	<4.08E-05	<3.83E-05	<4.00E-05	<4.00E-05	<4.10E-05	<3.81E-05	<3.81E-05	<4.14E-05	<4.05E-05
T-402		<4.12E-05	<4.13E-05	<3.85E-05	<3.85E-05	<4.12E-05	<4.12E-05	<4.05E-05	<4.05E-05	<4.13E-05	<3.87E-05	<4.05E-05	<4.05E-05	<4.15E-05	<3.85E-05	<3.85E-05	<4.19E-05	<4.10E-05
T-403		<4.53E-05	<4.55E-05	<4.24E-05	<4.24E-05	<4.53E-05	<4.53E-05	<4.45E-05	<4.45E-05	<4.55E-05	<4.26E-05	<4.46E-05	<4.45E-05	<4.56E-05	<4.24E-05	<4.24E-05	<4.61E-05	<4.51E-05
T-404		0.00027	0.00016	<5.18E-05	<5.18E-05	<5.53E-05	0.00041	<5.44E-05	<5.44E-05	0.00015	<5.20E-05	<5.44E-05	<5.44E-05	<5.57E-05	<5.18E-05	<5.18E-05	<5.63E-05	<5.51E-05
T-405		<4.56E-05	<4.57E-05	<4.26E-05	<4.26E-05	<4.56E-05	<4.56E-05	<4.48E-05	<4.48E-05	<4.57E-05	<4.29E-05	<4.48E-05	<4.48E-05	<4.59E-05	<4.26E-05	<4.26E-05	<4.64E-05	<4.54E-05
T-406		<4.39E-03	<4.40E-03	<4.11E-03	<4.11E-03	<4.39E-03	0.02143	<4.32E-03	<4.31E-03	<4.40E-03	<4.13E-03	<4.32E-03	<4.32E-03	<4.42E-03	<4.11E-03	<4.11E-03	<4.47E-03	<4.37E-03
T-407		<4.02E-05	<4.03E-05	<3.76E-05	<3.76E-05	0.00009	<4.02E-05	<3.95E-05	<3.95E-05	0.00044	<3.78E-05	<3.95E-05	<3.95E-05	<4.05E-05	<3.76E-05	<3.76E-05	<4.09E-05	<4.00E-05
T-408		<4.15E-05	<4.16E-05	0.00013	<3.88E-05	<4.15E-05	0.00019	<4.08E-05	<4.07E-05	0.00009	<3.90E-05	0.00013	<4.08E-05	<4.17E-05	<3.88E-05	<3.88E-05	<4.22E-05	<4.13E-05
T-409		<5.15E-05	<5.16E-05	<4.81E-05	<4.81E-05	<5.15E-05	<5.15E-05	<5.06E-05	<5.05E-05	<5.16E-05	<4.84E-05	<5.06E-05	<5.06E-05	<5.18E-05	<4.81E-05	<4.81E-05	<5.24E-05	<5.12E-05
T-410		<4.89E-05	0.00012	<4.57E-05	<4.57E-05	<4.89E-05	<4.89E-05	<4.80E-05	<4.80E-05	<4.90E-05	<4.60E-05	<4.81E-05	<4.80E-05	<4.92E-05	<4.57E-05	<4.57E-05	<4.97E-05	<4.87E-05
T-411		<5.82E-05	0.00456	<5.44E-05	<5.44E-05	<5.82E-05	<5.82E-05	<5.71E-05	<5.71E-05	<5.83E-05	<5.47E-05	<5.72E-05	<5.71E-05	<5.85E-05	<5.44E-05	<5.44E-05	<5.92E-05	<5.79E-05
T-412		0.00161	0.00199	0.00170	0.00256	0.00107	0.00246	0.00317	<1.19E-04	0.00126	0.00054	<1.19E-04	<1.19E-04	0.00048	<1.14E-04	<1.14E-04	0.00036	<1.21E-04
T-413		0.00601	0.00587	0.00180	0.00196	0.00437	0.00465	0.00196	0.00101	0.00341	0.00026	0.00045	0.00021	0.00128	<3.73E-05	<3.73E-05	<4.05E-05	<3.96E-05
T-414		<3.82E-05	<3.83E-05	<3.57E-05	<3.57E-05	<3.82E-05	<3.82E-05	<3.75E-05	<3.75E-05	<3.83E-05	<3.59E-05	<3.75E-05	<3.75E-05	<3.84E-05	<3.57E-05	<3.57E-05	<3.88E-05	<3.80E-05
T-501		<6.48E-05	<6.50E-05	<6.07E-05	<6.07E-05	<6.48E-05	<6.48E-05	<6.37E-05	<6.37E-05	<6.50E-05	<6.09E-05	<6.37E-05	<6.37E-05	<6.52E-05	<6.07E-05	<6.07E-05	<6.60E-05	<6.45E-05
T-502		<6.24E-05	<6.26E-05	<5.84E-05	<5.84E-05	<6.24E-05	<6.24E-05	<6.13E-05	<6.13E-05	<6.26E-05	<5.87E-05	<6.13E-05	<6.13E-05	<6.28E-05	<5.84E-05	<5.84E-05	<6.35E-05	<6.21E-05
T-503		<4.70E-05	<4.72E-05	<4.40E-05	<4.40E-05	<4.70E-05	<4.70E-05	<4.62E-05	<4.62E-05	<4.72E-05	<4.42E-05	<4.62E-05	<4.62E-05	<4.73E-05	<4.40E-05	<4.40E-05	<4.79E-05	<4.68E-05
T-504		0.00014	<5.34E-05	0.00035	0.00017	0.00141	0.00017	<5.23E-05	0.00039	0.00066	<5.00E-05	<5.23E-05	<5.23E-05	<5.36E-05	<4.98E-05	<4.98E-05	<5.42E-05	<5.30E-05
T-505		<5.98E-05	<5.99E-05	<5.59E-05	<5.59E-05	0.00032	<5.98E-05	0.00012	<5.87E-05	<5.99E-05	0.00016	<5.87E-05	<5.87E-05	<6.01E-05	<5.59E-05	<5.59E-05	<6.08E-05	<5.95E-05
T-506		<6.20E-05	<6.22E-05	<5.80E-05	<5.80E-05	<6.20E-05	<6.20E-05	<6.09E-05	<6.09E-05	<6.22E-05	<5.83E-05	<6.10E-05	<6.09E-05	<6.24E-05	<5.80E-05	<5.80E-05	<6.31E-05	<6.17E-05
T-507		<5.54E-05	<5.55E-05	<5.18E-05	<5.18E-05	<5.54E-05	<5.54E-05	<5.44E-05	<5.44E-05	<5.55E-05	<5.21E-05	<5.44E-05	<5.44E-05	<5.57E-05	<5.18E-05	<5.18E-05	<5.63E-05	<5.51E-05
T-508		<5.00E-05	<5.01E-05	<4.67E-05	<4.67E-05	<5.00E-05	<5.00E-05	<4.91E-05	<4.91E-05	<5.01E-05	<4.70E-05	<4.91E-05	<4.91E-05	<5.03E-05	<4.67E-05	<4.67E-05	0.00025	<4.97E-05
T-509		<4.20E-05	<4.21E-05	<3.93E-05	<3.93E-05	<4.20E-05	<4.20E-05	<4.12E-05	<4.12E-05	<4.21E-05	<3.95E-05	<4.13E-05	0.00017	<4.22E-05	<3.93E-05	<3.93E-05	0.00021	<4.18E-05
T-510		<4.90E-05	<4.91E-05	<4.59E-05	<4.59E-05	<4.90E-05	<4.90E-05	<4.81E-05	<4.81E-05	<4.91E-05	<4.61E-05	<4.82E-05	<4.81E-05	<4.93E-05	<4.59E-05	<4.59E-05	<4.99E-05	<4.88E-05
T-511		<4.01E-05	<4.02E-05	<3.75E-05	<3.75E-05	<4.01E-05	<4.01E-05	<3.94E-05	<3.94E-05	<4.02E-05	<3.77E-05	<3.94E-05	0.00009	<4.04E-05	<3.75E-05	<3.75E-05	<4.08E-05	<3.99E-05
T-512		<6.51E-05	<6.53E-05	<6.09E-05	<6.09E-05	<6.51E-05	<6.51E-05	<6.40E-05	<6.40E-05	<6.53E-05	<6.12E-05	<6.40E-05	<6.40E-05	<6.56E-05	<6.09E-05	<6.09E-05	<6.63E-05	<6.48E-05
T-513		<5.56E-05	<5.57E-05	<5.20E-05	<5.20E-05	<5.56E-05	<5.56E-05	<5.46E-05	<5.46E-05	<5.57E-05	<5.23E-05	<5.46E-05	<5.46E-05	<5.59E-05	<5.20E-05	<5.20E-05	<5.66E-05	<5.53E-05
T-514		<5.17E-05	<5.18E-05	<4.84E-05	<4.84E-05	<5.17E-05	<5.17E-05	<5.08E-05	<5.08E-05	<5.18E-05	<4.86E-05	<5.08E-05	<5.08E-05	<5.20E-05	<4.84E-05	<4.84E-05	<5.26E-05	<5.15E-05

Table 4.4 ORS Compounds Flux (mg/m2-min).

	Compound	Total Reduced Sulfurs	Hydrogen Sulfide	sec-Butyl Mercaptan / Thiophene	Isopropyl Mercaptan	Total Unidentified Sulfur	COS / SO2	3-Methylthiophene	Iso-Butyl Mercaptan	Carbon Disulfide	Methyl Mercaptan	Diethyl Disulfide	tert-Butyl Mercaptan	2-Methylthiophene	Ethyl Mercaptan	n-Propyl Mercaptan	Bromothiophene	Tetrahydrothiophene	Dimethyl Sulfide	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	Thiophenol
	CAS	7783-06-4	7783-06-4	513-53-1	75-33-2	7783-06-4	463-58-1	616-44-4	513-44-0	75-15-0	74-93-1	110-81-6	75-66-1	554-14-3	75-08-1	107-03-9	1003-09-4	110-01-0	75-18-3	624-89-5	352-93-2	109-79-5	624-92-0	108-98-5
Sample ID	MW	34.08	34.08	90.186	76.16	34.08	60.08	98.17	90.186	76.14	48.11	122.252	90.186	98.16	62.134	76.16	163.04	88.17	62.134	76.16	90.19	90.186	94.19	110.18
S-101a		0.00056	0.00056	<3.68E-04	<3.11E-04	<1.39E-04	<2.45E-04	<4.01E-04	<3.68E-04	<3.11E-04	<1.96E-04	<4.99E-04	<3.68E-04	<4.01E-04	<2.54E-04	<3.11E-04	<6.66E-04	<3.60E-04	<2.54E-04	<3.11E-04	<3.68E-04	<3.68E-04	<3.85E-04	<4.50E-04
S-102a		0.00024	0.00024	<3.12E-04	<2.63E-04	<1.18E-04	<2.08E-04	<3.39E-04	<3.12E-04	<2.63E-04	<1.66E-04	<4.23E-04	<3.12E-04	<3.39E-04	<2.15E-04	<2.63E-04	<5.63E-04	<3.05E-04	<2.15E-04	<2.63E-04	<3.12E-04	<3.12E-04	<3.26E-04	<3.81E-04
S-103a		0.00066	0.00066	<3.35E-04	<2.83E-04	<1.27E-04	<2.23E-04	<3.65E-04	<3.35E-04	<2.83E-04	<1.79E-04	<4.54E-04	<3.35E-04	<3.65E-04	<2.31E-04	<2.83E-04	<6.06E-04	<3.28E-04	<2.31E-04	<2.83E-04	<3.35E-04	<3.35E-04	<3.50E-04	<4.10E-04
S-104a		0.00030	0.00030	<3.32E-04	<2.80E-04	<1.25E-04	<2.21E-04	<3.61E-04	<3.32E-04	<2.80E-04	<1.77E-04	<4.50E-04	<3.32E-04	<3.61E-04	<2.29E-04	<2.80E-04	<6.00E-04	<3.24E-04	<2.29E-04	<2.80E-04	<3.32E-04	<3.32E-04	<3.46E-04	<4.05E-04
S-105a		0.00044	0.00044	<3.21E-04	<2.71E-04	<1.21E-04	<2.14E-04	<3.50E-04	<3.21E-04	<2.71E-04	<1.71E-04	<4.35E-04	<3.21E-04	<3.50E-04	<2.21E-04	<2.71E-04	<5.81E-04	<3.14E-04	<2.21E-04	<2.71E-04	<3.21E-04	<3.21E-04	<3.35E-04	<3.92E-04
S-106a		0.00038	0.00038	<3.13E-04	<2.64E-04	<1.18E-04	<2.08E-04	<3.40E-04	<3.13E-04	<2.64E-04	<1.67E-04	<4.24E-04	<3.13E-04	<3.40E-04	<2.15E-04	<2.64E-04	<5.65E-04	<3.06E-04	<2.15E-04	<2.64E-04	<3.13E-04	<3.13E-04	<3.27E-04	<3.82E-04
S-107a		0.00040	0.00040	<3.27E-04	<2.76E-04	<1.24E-04	<2.18E-04	<3.56E-04	<3.27E-04	<2.76E-04	<1.75E-04	<4.44E-04	<3.27E-04	<3.56E-04	<2.25E-04	<2.76E-04	<5.92E-04	<3.20E-04	<2.25E-04	<2.76E-04	<3.27E-04	<3.27E-04	<3.42E-04	<4.00E-04
S-108a		0.00066	0.00066	<4.35E-04	<3.67E-04	<1.64E-04	<2.90E-04	<4.73E-04	<4.35E-04	<3.67E-04	<2.32E-04	<5.89E-04	<4.35E-04	<4.73E-04	<3.00E-04	<3.67E-04	<7.86E-04	<4.25E-04	<3.00E-04	<3.67E-04	<4.35E-04	<4.35E-04	<4.54E-04	<5.31E-04
S-109a		0.00170	0.00170	<4.02E-04	<3.40E-04	<1.52E-04	<2.68E-04	<4.38E-04	<4.02E-04	<3.40E-04	<2.15E-04	<5.46E-04	<4.02E-04	<4.38E-04	<2.77E-04	<3.40E-04	<7.28E-04	<3.93E-04	<2.77E-04	<3.40E-04	<4.03E-04	<4.02E-04	<4.20E-04	<4.92E-04
S-110a		0.00058	0.00058	<3.22E-04	<2.72E-04	<1.22E-04	<2.14E-04	<3.50E-04	<3.22E-04	<2.71E-04	<1.72E-04	<4.36E-04	<3.22E-04	<3.50E-04	<2.22E-04	<2.72E-04	<5.81E-04	<3.14E-04	<2.22E-04	<2.72E-04	<3.22E-04	<3.22E-04	<3.36E-04	<3.93E-04
S-111a		0.00063	0.00063	<4.66E-04	<3.94E-04	<1.76E-04	<3.11E-04	<5.08E-04	<4.66E-04	<3.94E-04	<2.49E-04	<6.32E-04	<4.66E-04	<5.08E-04	<3.21E-04	<3.94E-04	<8.43E-04	<4.56E-04	<3.21E-04	<3.94E-04	<4.66E-04	<4.66E-04	<4.87E-04	<5.70E-04
S-112a		<1.21E-04	<1.21E-04	<3.20E-04	<2.70E-04	<1.21E-04	<2.13E-04	<3.48E-04	<3.20E-04	<2.70E-04	<1.71E-04	<4.33E-04	<3.20E-04	<3.48E-04	<2.20E-04	<2.70E-04	<5.78E-04	<3.12E-04	<2.20E-04	<2.70E-04	<3.20E-04	<3.20E-04	<3.34E-04	<3.90E-04
S-113a		<1.32E-04	<1.32E-04	<3.49E-04	<2.95E-04	<1.32E-04	<2.32E-04	<3.80E-04	<3.49E-04	<2.94E-04	<1.86E-04	<4.73E-04	<3.49E-04	<3.80E-04	<2.40E-04	<2.95E-04	<6.30E-04	<3.41E-04	<2.40E-04	<2.95E-04	<3.49E-04	<3.49E-04	<3.64E-04	<4.26E-04
S-114a		<1.33E-04	<1.33E-04	<3.52E-04	<2.97E-04	<1.33E-04	<2.34E-04	<3.83E-04	<3.52E-04	<2.97E-04	<1.88E-04	<4.77E-04	<3.52E-04	<3.83E-04	<2.42E-04	<2.97E-04	<6.36E-04	<3.44E-04	<2.42E-04	<2.97E-04	<3.52E-04	<3.52E-04	<3.68E-04	<4.30E-04
S-201a		<1.26E-04	<1.26E-04	<3.33E-04	<2.81E-04	<1.26E-04	<2.22E-04	<3.62E-04	<3.33E-04	<2.81E-04	<1.77E-04	<4.51E-04	<3.33E-04	<3.62E-04	<2.29E-04	<2.81E-04	<6.01E-04	<3.25E-04	<2.29E-04	<2.81E-04	<3.33E-04	<3.33E-04	<3.47E-04	<4.06E-04
S-202a		<1.36E-04	<1.36E-04	<3.59E-04	<3.03E-04	<1.36E-04	<2.39E-04	<3.91E-04	<3.59E-04	<3.03E-04	<1.91E-04	<4.87E-04	<3.59E-04	<3.91E-04	<2.47E-04	<3.03E-04	<6.49E-04	<3.51E-04	<2.47E-04	<3.03E-04	<3.59E-04	<3.59E-04	<3.75E-04	<4.38E-04
S-203a		0.00041	0.00041	<3.86E-04	<3.26E-04	<1.46E-04	<2.57E-04	<4.21E-04	<3.86E-04	<3.26E-04	<2.06E-04	<5.24E-04	<3.86E-04	<4.21E-04	<2.66E-04	<3.26E-04	<6.98E-04	<3.78E-04	<2.66E-04	<3.26E-04	<3.86E-04	<3.86E-04	<4.04E-04	<4.72E-04
S-204a		0.57089	0.42350	0.16344	0.13686	0.00337	0.00961	0.01331	0.01126	0.00406	0.00198	0.00503	0.00247	0.00389	0.00218	0.00244	0.00199	0.00081	0.00047	<2.90E-04	<3.43E-04	<3.43E-04	<3.59E-04	<4.19E-04
S-205a		0.00042	0.00042	<4.68E-04	<3.95E-04	<1.77E-04	<3.12E-04	<5.09E-04	<4.68E-04	<3.95E-04	<2.50E-04	<6.34E-04	<4.68E-04	<5.09E-04	<3.22E-04	<3.95E-04	<8.46E-04	<4.58E-04	<3.22E-04	<3.95E-04	<4.68E-04	<4.68E-04	<4.89E-04	<5.72E-04
S-206a		0.00053	0.00053	<4.97E-04	<4.20E-04	<1.88E-04	<3.31E-04	<5.41E-04	<4.97E-04	<4.20E-04	<2.65E-04	<6.74E-04	<4.97E-04	<5.41E-04	<3.42E-04	<4.20E-04	<8.99E-04	<4.86E-04	<3.42E-04	<4.20E-04	<4.97E-04	<4.97E-04	<5.19E-04	<6.07E-04
S-207a		<2.25E-04	<2.25E-04	<5.96E-04	<5.04E-04	<2.25E-04	<3.97E-04	<6.49E-04	<5.96E-04	<5.03E-04	<3.18E-04	<8.08E-04	<5.96E-04	<6.49E-04	<4.11E-04	<5.04E-04	<1.08E-03	<5.83E-04	<4.11E-04	<5.04E-04	<5.96E-04	<5.96E-04	<6.23E-04	<7.28E-04
S-208a		0.01235	0.00073	0.00693	0.00374	0.00502	0.00092	0.00241	0.00166	<5.85E-04	<3.69E-04	<9.39E-04	0.00222	<7.54E-04	<4.77E-04	<5.85E-04	<1.25E-03	<6.77E-04	<4.77E-04	<5.85E-04	<6.93E-04	<6.93E-04	<7.23E-04	<8.46E-04
S-209a		<2.13E-04	<2.13E-04	<5.63E-04	<4.76E-04	<2.13E-04	<3.75E-04	<6.13E-04	<5.63E-04	<4.75E-04	<3.00E-04	<7.63E-04	<5.63E-04	<6.13E-04	<3.88E-04	<4.76E-04	<1.02E-03	<5.51E-04	<3.88E-04	<4.76E-04	<5.63E-04	<5.63E-04	<5.88E-04	<6.88E-04
S-210a		<2.38E-04	<2.38E-04	<6.30E-04	<5.32E-04	<2.38E-04	<4.20E-04	<6.85E-04	<6.30E-04	<5.32E-04	<3.36E-04	<8.54E-04	<6.30E-04	<6.85E-04	<4.34E-04	<5.32E-04	<1.14E-03	<6.16E-04	<4.34E-04	<5.32E-04	<6.30E-04	<6.30E-04	<6.58E-04	<7.69E-04
S-211a		0.00050	0.00050	<6.65E-04	<5.62E-04	<2.51E-04	<4.43E-04	<7.24E-04	<6.65E-04	<5.62E-04	<3.55E-04	<9.02E-04	<6.65E-04	<7.24E-04	<4.58E-04	<5.62E-04	<1.20E-03	<6.50E-04	<4.58E-04	<5.62E-04	<6.65E-04	<6.65E-04	<6.95E-04	<8.13E-04
S-212a		0.00036	0.00036	<3.95E-04	<3.34E-04	<1.49E-04	<2.63E-04	<4.30E-04	<3.95E-04	<3.34E-04	<2.11E-04	<5.36E-04	<3.95E-04	<4.30E-04	<2.72E-04	<3.34E-04	<7.15E-04	<3.87E-04	<2.72E-04	<3.34E-04	<3.95E-04	<3.95E-04	<4.13E-04	<4.83E-04
S-213a		<1.50E-04	<1.50E-04	<3.97E-04	<3.36E-04	<1.50E-04	<2.65E-04	<4.33E-04	<3.97E-04	<3.35E-04	<2.12E-04	<5.39E-04	<3.97E-04	<4.33E-04	<2.74E-04	<3.36E-04	<7.18E-04	<3.88E-04	<2.74E-04	<3.36E-04	<3.97E-04	<3.97E-04	<4.15E-04	<4.85E-04
S-214a		<1.47E-04	<1.47E-04	<3.88E-04	<3.28E-04	<1.47E-04	<2.59E-04	<4.22E-04	<3.88E-04	<3.28E-04	<2.07E-04	<5.26E-04	<3.88E-04	<4.22E-04	<2.67E-04	<3.28E-04	<7.02E-04	<3.79E-04	<2.67E-04	<3.28E-04	<3.88E-04	<3.88E-04	<4.05E-04	<4.74E-04
S-301a		<1.24E-04	<1.24E-04	<3.27E-04	<2.76E-04	<1.24E-04	<2.18E-04	<3.56E-04	<3.27E-04	<2.76E-04	<1.75E-04	<4.44E-04	<3.27E-04	<3.56E-04	<2.25E-04	<2.76E-04	<5.92E-04	<3.20E-04	<2.25E-04	<2.76E-04	<3.27E-04	<3.27E-04	<3.42E-04	<4.00E-04
S-302a		<1.70E-04	<1.70E-04	<4.49E-04	<3.79E-04	<1.70E-04	<2.99E-04	<4.89E-04	<4.49E-04	<3.79E-04	<2.40E-04	<6.09E-04	<4.49E-04	<4.89E-04	<3.09E-04	<3.79E-04	<8.12E-04	<4.39E-04	<3.09E-04	<3.79E-04	<4.49E-04	<4.49E-04	<4.69E-04	<5.49E-04
S-303a		<1.85E-04	<1.85E-04	<4.89E-04	<4.13E-04	<1.85E-04	<3.26E-04	<5.32E-04	<4.89E-04	<4.13E-04	<2.61E-04	<6.63E-04	<4.89E-04	<5.32E-04	<3.37E-04	<4.13E-04	<8.84E-04	<4.78E-04	<3.37E-04	<4.13E-04	<4.89E-04	<4.89E-04	<5.11E-04	<5.97E-04
S-304a		0.00048	0.00048	<5.29E-04	<4.47E-04	<2.00E-04	<3.53E-04	<5.76E-04	<5.29E-04	<4.47E-04	<2.82E-04	<7.18E-04	<5.29E-04	<5.76E-04	<3.65E-04	<4.47E-04	<9.57E-04	<5.18E-04	<3.65E-04	<4.47E-04	<5.29E-04	<5.29E-04	<5.53E-04	<6.47E-04
S-305a		<1.53E-04	<1.53E-04	<4.04E-04	<3.41E-04	<1.53E-04	<2.69E-04	<4.40E-04	<4.04E-04	<3.41E-04	<2.16E-04	<5.48E-04	<4.04E-04	<4.40E-04	<2.78E-04	<3.41E-04	<7.31E-04	<3.95E-04	<2.78E-04	<3.41E-04	<4.04E-04	<4.04E-04	<4.22E-04	<4.94E-04
S-306a		0.00042	0.00042	<3.94E-04	<3.33E-04	<1.49E-04	<2.63E-04	<4.29E-04	<3.94E-04	<3.33E-04	<2.10E-04	<5.34E-04	<3.94E-04	<4.29E-04	<2.72E-04	<3.33E-04	<7.13E-04	<3.85E-04	<2.72E-04	<3.33E-04	<3.94E-04	<3.94E-04	<4.12E-04	<4.82E-04
S-307a		<1.74E-04	<1.74E-04	<4.60E-04	<3.89E-04	<1.74E-04	<3.07E-04	<5.01E-04	<4.60E-04	<3.89E-04	<2.46E-04	<6.24E-04	<4.60E-04	<5.01E-04	<3.17E-04	<3.89E-04	<8.32E-04	<4.50E-04	<3.17E-04	<3.89E-04	<4.60E-04	<4.60E-04	<4.81E-04	<5.62E-04
S-308a		<1.45E-04	<1.45E-04	<3.84E-04	<3.24E-04	<1.45E-04	<2.56E-04	<4.18E-04	<3.84E-04	<3.24E-04	<2.05E-04	<5.20E-04	<3.84E-04	<4.18E-04	<2.64E-04	<3.24E-04	<6.94E-04	<3.75E-04	<2.64E-04	<3.24E-04	<3.84E-04	<3.84E-04	<4.01E-04	<4.69E-04
S-309a		<1.26E-04	<1.26E-04	<3.35E-04	<2.82E-04	<1.26E-04	<2.23E-04	<3.64E-04	<3.35E-04	<2.82E-04	<1.78E-04	<4.53E-04	<3.35E-04	<3.64E-04	<2.30E-04	<2.82E-04	<6.05E-04	<3.27E-04	<2.30E-04	<2.82E-04	<3.35E-04	<3.35E-04	<3.49E-04	<4.09E-04
S-310a		<1.82E-04	<1.82E-04	<4.81E-04	<4.06E-04	<1.82E-04	<3.20E-04	<5.23E-04	<4.81E-04	<4.06E-04	<2.56E-04	<6.52E-04	<4.81E-04	<5.23E-04	<3.31E-04	<4.06E-04	<8.69E-04	<4.70E-04	<3.31E-04	<4.06E-04	<4.81E-04	<4.81E-04	<5.02E-04	<5.87E-04
S-311a		<2.16E-04	<2.16E-04	<5.71E-04	<4.82E-04	<2.16E-04	<3.81E-04	<6.22E-04	<5.71E-04	<4.82E-04	<3.05E-04	<7.74E-04	<5.71E-04	<6.22E-04	<3.94E-04	<4.82E-04	<1.03E-03	<5.58E-04	<3.94E-04	<4.82E-04	<5.71E-04	<5.71E-04	<5.97E-04	<6.98E-04
S-312a		<1.56E-04	<1.56E-04	<4.13E-04	<3.49E-04	<1.56E-04	<2.75E-04	<4.50E-04	<4.13E-04	<3.49E-04	<2.21E-04	<5.60E-04	<4.13E-04	<4.50E-04	<2.85E-04	<3.49E-04	<7.47E-04	<4.04E-04	<2.85E-04	<3.49E-04	<4.13E-04	<4.13E-04	<4.32E-04	<5.05E-04
S-313a		<1.31E-04	<1.31E-04	<3.46E-04	<2.92E-04	<1.31E-04	<2.30E-04	<3.76E-04	<3.46E-04	<2.92E-04	<1.84E-04	<4.68E-04	<3.46E-04	<3.76E-04	<2.38E-04	<2.92E-04	<6.25E-04	<3.38E-04	<2.38E-04	<2.92E-04	<3.46E-04	<3.46E-04	<3.61E-04	<4.22E-04
S-314a		<1.59E-04	<1.59E-04	<4.21E-04	<3.55E-04	<1.59E-04	<2.80E-04	<4.58E-04	<4.21E-04	<3.55E-04	<2.24E-04	<5.70E-04	<4.21E-04	<4.58E-04	<2.90E-04	<3.55E-04	<7.60E-04	<4.11E-04	<2.90E-04	<3.55E-04	<4.21E-04	<4.21E-04	<4.39E-04	<5.14E-04
S-401a		<1.21E-04	<1.21E-04	<3.21E-04	<2.71E-04	<1.21E-04	<2.14E-04	<3.50E-04	<3.21E-04	<2.71E-04	<1.71E-04	<4.36E-04	<3.21E-04	<3.50E-04	<2.21E-04	<2.71E-04	<5.81E-04	<3.14E-04	<2.21E-04	<2.71E-04	<3.21E-04	<3.21E-04	<3.36E-04	<3.93E-04
S-402a		<1.23E-04	<1.23E-04	<3.25E-04	<2.75E-04	<1.23E-04	<2.17E-04	<3.54E-04	<3.25E-04	<2.75E-04	<1.74E-04	<4.41E-04	<3.25E-04	<3.54E-04	<2.24E-04	<2.75E-04	<5.88E-04	<3.18E-04	<2.24E-04	<2.75E-04	<3.25E-04	<3.25E-04	<3.40E-04	<3.97E-04
S-403a		<1.35E-04	<1.35E-04	<3.58E-04	<3.02E-04	<1.35E-04	<2.39E-04	<3.90E-04	<3.58E-04	<3.02E-04	<1.91E-04	<4.85E-04	<3.58E-04	<3.90E-04	<2.47E-04	<3.02E-04	<6.47E-04	<3.50E-04	<2.47E-04	<3.02E-04	<3.58E-04	<3.58E-04	<3.74E-04	<4.37E-04
S-404a		<1.65E-04	<1.65E-04	<4.37E-04	<3.69E-04	<1.65E-04	<2.91E-04	<4.76E-04	<4.37E-04	<3.69E-04	<2.33E-04	<5.92E-04	<4.37E-04	<4.76E-04	<3.01E-04	<3.69E-04	<7.90E-04	<4.27E-04	<3.01E-04	<3.69E-04	<4.37E-04	<4.37E-04	<4.56E-04	<5.34E-04
S-405a		<1.36E-04	<1.36E-04	<3.60E-04	<3.04E-04	<1.36E-04	<2.40E-04	<3.92E-04	<3.60E-04	<3.04E-04	<1.92E-04	<4.88E-04	<3.60E-04	<3.92E-04	<2.48E-04	<3.04E-04	<6.51E-04	<3.52E-04	<2.48E-04	<3.04E-04	<3.60E-04	<3.60E-04	<3.76E-04	<4.40E-04
S-406a		<1.31E-02	<1.31E-02	<3.47E-02	<2.93E-02	<1.31E-02	<2.31E-02	<3.78E-02	<3.47E-02	<2.93E-02	<1.85E-02	<4.70E-02	<3.47E-02	<3.78E-02	<2.39E-02	<2.93E-02	<6.27E-02	<3.39E-02	<2.39E-02	<2.93E-02	<3.47E-02	<3.47E-02	<3.62E-02	<4.24E-02
S-407a		<1.20E-04	<1.20E-04	<3.18E-04	<2.68E-04	<1.20E-04	<2.12E-04	<3.46E-04	<3.18E-04	<2.68E-04	<1.69E-04	<4.31E-04	<3.18E-04	<3.46E-04	<2.19E-04	<2.68E-04	<5.74E-04	<3.11E-04	<2.19E-04	<2.68E-04	<3.18E-04	<3.18E-04	<3.32E-04	<3.88E-04
S-408a		<1.24E-04	<1.24E-04	<3.28E-04	<2.77E-04	<1.24E-04	<2.18E-04	<3.57E-04	<3.28E-04	<2.77E-04	<1.75E-04	<4.44E-04	<3.28E-04	<3.57E-04	<2.26E-04	<2.77E-04	<5.92E-04	<3.20E-04	<2.26E-04	<2.77E-04	<3.28E-04	<3.28E-04	<3.42E-04	<4.00E-04
S-409a		<1.54E-04	<1.54E-04	<4.06E-04	<3.43E-04	<1.54E-04	<2.71E-04	<4.42E-04	<4.06E-04	<3.43E-04	<2.17E-04	<5.51E-04	<4.06E-04	<4.42E-04	<2.80E-04	<3.43E-04	<7.35E-04	<3.97E-04	<2.80E-04	<3.43E-04	<4.06E-04	<4.06E-04	<4.24E-04	<4.96E-04
S-410a		<1.46E-04	<1.46E-04	<3.86E-04	<3.26E-04	<1.46E-04	<2.57E-04	<4.20E-04	<3.86E-04	<3.26E-04	<2.06E-04	<5.23E-04	<3.86E-04	<4.20E-04	<2.66E-04	<3.26E-04	<6.98E-04	<3.77E-04	<2.66E-04	<3.26E-04	<3.86E-04	<3.86E-04	<4.03E-04	<4.72E-04
S-411a		<1.74E-04	<1.74E-04	<4.59E-04	<3.88E-04	<1.74E-04	<3.06E-04	<5.00E-04	<4.59E-04	<3.88E-04	<2.45E-04	<6.23E-04	<4.59E-04	<5.00E-04	<3.16E-04	<3.88E-04	<8.30E-04	<4.49E-04	<3.16E-04	<3.88E-04	<4.59E-04	<4.59E-04	<4.80E-04	<5.61E-04
S-412a		<1.20E-04	<1.20E-04	<3.17E-04	<2.68E-04	<1.20E-04	<2.11E-04	<3.45E-04	<3.17E-04	<2.68E-04	<1.69E-04	<4.30E-04	<3.17E-04	<3.45E-04	<2.19E-04	<2.68E-04	<5.74E-04	<3.10E-04	<2.19E-04	<2.68E-04	<3.17E-04	<3.17E-04	<3.31E-04	<3.88E-04
S-413a		<1.19E-04	<1.19E-04	<3.15E-04	<2.66E-04	<1.19E-04	<2.10E-04	<3.42E-04	<3.15E-04	<2.66E-04	<1.68E-04	<4.26E-04	<3.15E-04	<3.42E-04	<2.17E-04	<2.66E-04	<5.69E-04	<3.08E-04	<2.17E-04	<2.66E-04	<3.15E-04	<3.15E-04	<3.29E-04	<3.84E-04
S-414a		<1.14E-04	<1.14E-04	<3.01E-04	<2.55E-04	<1.14E-04	<2.01E-04	<3.28E-04	<3.01E-04	<2.54E-04	<1.61E-04	<4.09E-04	<3.01E-04	<3.28E-04	<2.08E-04	<2.55E-04	<5.45E-04	<2.95E-04	<2.08E-04	<2.55E-04	<3.01E-04	<3.01E-04	<3.15E-04	<3.68E-04
S-501a		<1.93E-04	<1.93E-04	<5.12E-04	<4.32E-04	<1.93E-04	<3.41E-04	<5.57E-04	<5.12E-04	<4.32E-04	<2.73E-04	<6.94E-04	<5.12E-04	<5.57E-04	<3.53E-04	<4.32E-04	<9.26E-04	<5.01E-04	<3.53E-04	<4.32E-04	<5.12E-04	<5.12E-04	<5.35E-04	<6.25E-04
S-502a		<1.86E-04	<1.86E-04	<4.93E-04	<4.16E-04	<1.86E-04	<3.28E-04	<5.36E-04	<4.93E-04	<4.16E-04	<2.63E-04	<6.68E-04	<4.93E-04	<5.36E-04	<3.39E-04	<4.16E-04	<8.91E-04	<4.82E-04	<3.39E-04	<4.16E-04	<4.93E-04	<4.93E-04	<5.15E-04	<6.02E-04
S-503a		<1.40E-04	<1.40E-04	<3.72E-04	<3.14E-04	<1.40E-04	<2.47E-04	<4.04E-04	<3.72E-04	<3.14E-04	<1.98E-04	<5.04E-04	<3.72E-04	<4.04E-04	<2.56E-04	<3.14E-04	<6.72E-04	<3.63E-04	<2.56E-04	<3.14E-04	<3.72E-04	<3.72E-04	<3.88E-04	<4.54E-04
S-504a		<1.59E-04	<1.59E-04	<4.20E-04	<3.55E-04	<1.59E-04	<2.80E-04	<4.57E-04	<4.20E-04	<3.55E-04	<2.24E-04	<5.70E-04	<4.20E-04	<4.57E-04	<2.90E-04	<3.55E-04	<7.60E-04	<4.11E-04	<2.90E-04	<3.55E-04	<4.20E-04	<4.20E-04	<4.39E-04	<5.13E-04
S-505a		0.00050	0.00050	<4.72E-04	<3.98E-04	<1.78E-04	<3.14E-04	<5.14E-04	<4.72E-04	<3.98E-04	<2.52E-04	<6.40E-04	<4.72E-04	<5.14E-04	<3.25E-04	<3.98E-04	<8.53E-04	<4.61E-04	<3.25E-04	<3.98E-04	<4.72E-04	<4.72E-04	<4.93E-04	<5.76E-04
S-506a		0.00052	0.00052	<4.90E-04	<4.14E-04	<1.85E-04	<3.26E-04	<5.33E-04	<4.90E-04	<4.14E-04	<2.61E-04	<6.64E-04	<4.90E-04	<5.33E-04	<3.37E-04	<4.14E-04	<8.85E-04	<4.79E-04	<3.37E-04	<4.14E-04	<4.90E-04	<4.90E-04	<5.12E-04	<5.98E-04
S-507a		0.00073	0.00073	<4.37E-04	<3.69E-04	<1.65E-04	<2.91E-04	<4.76E-04	<4.37E-04	<3.69E-04	<2.33E-04	<5.93E-04	<4.37E-04	<4.76E-04	<3.01E-04	<3.69E-04	<7.91E-04	<4.28E-04	<3.01E-04	<3.69E-04	<4.37E-04	<4.37E-04	<4.57E-04	<5.34E-04
S-508a		<1.49E-04	<1.49E-04	<3.95E-04	<3.33E-04	<1.49E-04	<2.63E-04	<4.29E-04	<3.95E-04	<3.33E-04	<2.10E-04	<5.35E-04	<3.95E-04	<4.29E-04	<2.72E-04	<3.33E-04	<7.13E-04	<3.86E-04	<2.72E-04	<3.33E-04	<3.95E-04	<3.95E-04	<4.12E-04	<4.82E-04
S-509a		<1.25E-04	<1.25E-04	<3.31E-04	<2.80E-04	<1.25E-04	<2.21E-04	<3.61E-04	<3.31E-04	<2.80E-04	<1.77E-04	<4.49E-04	<3.31E-04	<3.61E-04	<2.28E-04	<2.80E-04	<5.99E-04	<3.24E-04	<2.28E-04	<2.80E-04	<3.31E-04	<3.31E-04	<3.46E-04	<4.05E-04
S-510a		<1.46E-04	<1.46E-04	<3.87E-04	<3.27E-04	<1.46E-04	<2.58E-04	<4.21E-04	<3.87E-04	<3.27E-04	<2.06E-04	<5.25E-04	<3.87E-04	<4.21E-04	<2.67E-04	<3.27E-04	<7.00E-04	<3.78E-04	<2.67E-04	<3.27E-04	<3.87E-04	<3.87E-04	<4.04E-04	<4.73E-04
S-511a		<1.20E-04	<1.20E-04	<3.17E-04	<2.68E-04	<1.20E-04	<2.11E-04	<3.45E-04	<3.17E-04	<2.67E-04	<1.69E-04	<4.29E-04	<3.17E-04	<3.45E-04	<2.18E-04	<2.68E-04	<5.73E-04	<3.10E-04	<2.18E-04	<2.68E-04	<3.17E-04	<3.17E-04	<3.31E-04	<3.87E-04
S-512a		<1.94E-04	<1.94E-04	<5.14E-04	<4.34E-04	<1.94E-04	<3.43E-04	<5.60E-04	<5.14E-04	<4.34E-04	<2.74E-04	<6.97E-04	<5.14E-04	<5.60E-04	<3.54E-04	<4.34E-04	<9.30E-04	<5.03E-04	<3.54E-04	<4.34E-04	<5.14E-04	<5.14E-04	<5.37E-04	<6.28E-04
S-513a		<1.66E-04	<1.66E-04	<4.39E-04	<3.71E-04	<1.66E-04	<2.92E-04	<4.78E-04	<4.39E-04	<3.71E-04	<2.34E-04	<5.95E-04	<4.39E-04	<4.78E-04	<3.02E-04	<3.71E-04	<7.94E-04	<4.29E-04	<3.02E-04	<3.71E-04	<4.39E-04	<4.39E-04	<4.58E-04	<5.36E-04
S-514a		<1.54E-04	<1.54E-04	<4.08E-04	<3.45E-04	<1.54E-04	<2.72E-04	<4.44E-04	<4.08E-04	<3.45E-04	<2.18E-04	<5.53E-04	<4.08E-04	<4.44E-04	<2.81E-04	<3.45E-04	<7.38E-04	<3.99E-04	<2.81E-04	<3.45E-04	<4.08E-04	<4.08E-04	<4.26E-04	<4.99E-04

Note: Compounds shaded in magenta had no detects for this test event. The value provided for these compounds was derived by assuming that measured concentration was equal to ½ the method detection limit.

5. Análisis de Datos

Distribución del Área de las Celdas

La Tabla 5.1 muestra cómo se distribuyeron los puntos de datos de las cámaras de flujo individuales para calcular el valor del flujo promedio para cada celda de la cuadrícula de prueba. Se realizaron cuatro mediciones en cada celda de prueba. Las cuatro mediciones tuvieron como objetivo representar las emisiones bajas (mitad inferior), las emisiones medias (entre la mitad inferior y el 10% superior), las emisiones altas (el 10% superior) y la concentración máxima monitoreada en la celda de prueba. Por lo tanto, la medición baja objetivo representó el 50% del área de las celdas, la medición media representó el 40% de la zona de las celdas, la medición alta representó el 10% de la zona de las celdas y la medición máxima representó la zona de la cámara de flujo, 0.13 m^2. Sin embargo, los valores reales fueron sustancialmente diferentes a los valores objetivo. La Tabla 5.1 muestra los valores calculados de la distribución, en base al análisis del monitoreo del interior de las celdas. La base del cálculo se indica en el Apéndice 2.

Tabla 5.1 Distribución del Área de Celdas de la Cuadrícula por Zona de Celdas Interiores de la Cuadrícula.

		Rep.	Distribución de las Muestras			
Categoría	**Subconjunto**	**Celda**	**Bajo**	**Medio**	**Alto**	**Máx.**
Zona de Excedencias		175	79%	14%	7%	0.003%
Anómalas	Alto	240	75%	13%	13%	0.003%
Anómalas	Medio	241	67%	18%	15%	0.003%
Anómalas	Bajo	52	37%	30%	33%	0.003%
Membrana	Alto	173	17%	41%	41%	25.000%
Membrana	Medio	69	72%	10%	10%	8.333%
Membrana	Bajo	177	31%	31%	19%	19.048%
Interfaz	Alto	36	71%	11%	17%	0.003%
Interfaz	Medio	62	82%	6%	12%	0.003%
Interfaz	Bajo	40	75%	18%	7%	0.003%
Zona No Reactiva	Alto	96	75%	11%	14%	0.003%
Zona No Reactiva	Medio	220	61%	26%	13%	0.003%
Zona No Reactiva	Bajo	6	46%	46%	4%	3.846%
Depósito de LD		Depósito de LD	75%	13%	13%	0.003%
Calle		Calle	25%	25%	25%	25%

El valor de flujo promedio de la celda se calculó multiplicando el factor de distribución apropiado (consulte la Tabla 5.1) por el valor del flujo medido para cada posición. Se asumió que la lectura máxima era válida únicamente bajo la cámara de flujo, un área de 0.13 m^2, porque la lectura máxima únicamente se representa en un punto de la cuadrícula. Ninguna otra parte de la cuadrícula está representada por la lectura máxima. Se debe tener en cuenta que algunas de las celdas de la cuadrícula tuvieron valores de monitoreo iguales o similares en toda la celda y, por lo tanto, no hay un máximo identificable. Para estas celdas, la asignación de la superficie al valor “Máximo” es mayor al valor del 0.003% asignado a las celdas que sí tuvieron un valor máximo identificable.

Cálculos de las Emisiones

Todos los cálculos de las emisiones se indican en el Apéndice 3. Como ejemplo, el cálculo de emisiones de metano se indica a continuación en la Tabla 5.2. Los valores del flujo que se muestran en la Sección 5 (para las cuatro categorías de celdas internas

Table 5.2 Methane Emissions Calculations.

Methane													
74-82-8													
		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	Subset	Cell	M?	Low	Med	High	Max	W Avg	(ft2)	(m2)	(mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<9.28E-03	<7.85E-03	<7.97E-03	<9.06E-03	<8.99E-03	314,524	29,220	<2.63E+02	<3.04E+02	<1.52E-01
Anomalous	High	240		0.4951	0.1746	14.6743	292.4222	2.2370	160,494	14,910	33,354	38,649	19.324
Anomalous	Med	241		0.4738	0.0385	2.5334	870.3514	0.7350	199,305	18,516	13,610	15,770	7.885
Anomalous	Low	52		0.1782	0.3450	0.2049	77.3843	0.2390	429,789	39,929	9,545	11,060	5.530
Membrane	High	173	M	<8.55E-03	0.0220	0.0458	0.0454	<4.08E-02	617,983	57,413	<2.34E+03	<2.72E+03	<1.36E+00
Membrane	Med	69	M	<8.01E-03	<1.18E-02	<1.13E-02	0.0364	<1.11E-02	1,136,035	105,541	<1.17E+03	<1.35E+03	<6.77E-01
Membrane	Low	177	M	<1.07E-02	0.0178	<1.31E-02	0.0157	<1.43E-02	1,842,278	171,153	<2.45E+03	<2.84E+03	<1.42E+00
Interface	High	36	P	<7.98E-03	60.2609	<8.77E-03	61.3112	<6.90E+00	175,968	16,348	<1.13E+05	<1.31E+05	<6.53E+01
Interface	Med	62	P	<1.02E-02	2.0585	11.8213	783.4299	<1.59E+00	374,465	34,789	<5.54E+04	<6.42E+04	<3.21E+01
Interface	Low	40	P	<9.07E-03	0.0503	<8.12E-03	35.4502	<1.75E-02	667,524	62,015	<1.09E+03	<1.26E+03	<6.29E-01
Non-Reaction Area	High	96		0.0298	<1.20E-02	1.3214	24.0972	<2.13E-01	1,146,284	106,493	<2.27E+04	<2.63E+04	<1.32E+01
Non-Reaction Area	Med	220		0.0316	<1.17E-02	<9.36E-03	25.7519	<2.44E-02	1,894,101	175,968	<4.30E+03	<4.98E+03	<2.49E+00
Non-Reaction Area	Low	6		<8.11E-03	<8.65E-03	<7.42E-03	<1.31E-02	<8.53E-03	3,035,802	282,035	<2.41E+03	<2.79E+03	<1.39E+00
Non SEM Area								<2.35E-01	910,742	84,611	<1.98E+04	<2.30E+04	<1.15E+01
							Total		**12,905,294**	**1,198,941**	**<2.81E+05**	**<3.26E+05**	**<1.63E+02**

Site Emissions by Area		**(TPY)**
Exceedance Area		<1.52E-01
Anomalous Area		32.739
Membrane		<3.45E+00
Interface		<9.80E+01
Non-Reaction Area		<1.70E+01
Flux Values (mg/m2-min)		
Site Average		<2.35E-01
Anomalous Area		0.770
Membrane Area		<1.78E-02
Interface Area		<1.50E+00
Non-Reaction Area		<5.21E-02
LD Yard		8.2891
Road		<1.51E-02

LD Yard				0.0763	20.4926	45.2112	582.2488	8.2891					
Road				0.0242	<1.16E-02	<1.42E-02	<1.03E-02	<1.51E-02					

(bajo, medio, alto y máx.)) se promedian en base a la distribución de zonas descrita arriba. El valor de flujo de celda promedio (columna “W. Avg” (“Promedio Ponderado”)) después se multiplica por el área representada por esa celda de la cuadrícula para llegar a las emisiones totales. Las emisiones se calcularon y se presentaron utilizando la metodología de cálculo indicada en el protocolo de prueba.

No se detectaron monóxido de carbono ni hidrógeno en ninguna de las muestras y no se cuantificaron de otra manera.

Los compuestos identificados tentativamente (TICs) se proporcionan en los informes del laboratorio proporcionados en el Apéndice C del Adjunto 2. Como las detecciones de TICs fueron escasas, no se completaron los cálculos de las emisiones para el flujo de todo el sitio para estos productos químicos. Sin embargo, si se solicitan, podrían proporcionarse los cálculos de los TIC.

Resumen de las Emisiones

Las Tablas 5.3 y 5.4 resumen las emisiones totales en la superficie del sitio en toneladas por año. Aunque los datos de las emisiones se presentan en toneladas por año, debe resaltarse que estos índices de emisiones únicamente son válidos durante el período de tiempo que dura el evento de muestreo y no está previsto que impliquen que las emisiones en los siguientes 365 días sean iguales a estos valores. Todos los datos de laboratorio informados como “no detectados” se cuantificaron a la mitad del límite de detección del método (MDL) para los cálculos de las emisiones. Además, el índice de flujo promedio para cada compuesto se proporciona en mg/m^2-min. para cada una de las tablas.

Table 5.3 Site Surface Emissions Summary; CO2, Methane, VOC, TO-14 and 307-91 Compounds.

							TO-14				ORS (SCAQMD 307-91)					
Category	**Subset**	**Rep Cell**	**Units**	**Carbon Dioxide**	**Methane**	**VOC**	**Propene - TO-14**	**Benzene TO-14**	**Ethylbenzene TO-14**	**Toluene TO-14**	**sec-Butyl Mercaptan / Thiophene**	**Isopropyl Mercaptan**	**Hydrogen Sulfide**	**Total Reduced Sulfurs**	**Dimethyl Sulfide**	**Methyl Mercaptan**
Exceedance Area		175	TPY	<8.37E+01	<1.52E-01	0.045	<2.81E-03	<7.00E-04	<7.14E-04	<7.08E-04	<6.06E-03	<5.12E-03	0.009	0.009	<4.18E-03	<3.24E-03
Anomalous	High	240	TPY	1,131	19.32	0.104	0.0042	<6.51E-04	<2.15E-03	<2.65E-03	<4.21E-03	<3.56E-03	<3.56E-03	<3.56E-03	<2.90E-03	<2.25E-03
Anomalous	Med	241	TPY	<5.29E+02	7.88	0.080	<1.66E-03	<4.30E-04	<4.54E-04	<7.47E-04	<3.76E-03	<3.18E-03	<1.98E-03	<2.03E-03	<2.55E-03	<1.98E-03
Anomalous	Low	52	TPY	2,550	5.53	0.248	0.0083	<5.59E-03	<5.04E-03	<4.62E-03	<1.43E-02	<1.21E-02	<7.33E-03	<7.33E-03	<9.83E-03	<7.61E-03
Membrane	High	173	TPY	<1.89E+02	<1.36E+00	0.230	<1.78E-03	<2.21E-03	<2.81E-03	<1.66E-03	<1.43E-02	<1.20E-02	0.019	0.019	<9.83E-03	<7.61E-03
Membrane	Med	69	TPY	<6.68E+02	<6.77E-01	0.552	<5.43E-03	<2.62E-03	<2.68E-03	<3.19E-03	<2.27E-02	<1.92E-02	<1.00E-02	<1.00E-02	<1.57E-02	<1.21E-02
Membrane	Low	177	TPY	<1.58E+03	<1.42E+00	0.917	<1.06E-02	<4.61E-02	<3.10E-02	<2.71E-02	<3.71E-02	<3.13E-02	<8.44E-02	<8.44E-02	<2.55E-02	<1.98E-02
Interface	High	36	TPY	<3.32E+02	<6.53E+01	0.026	<4.61E-04	<3.59E-04	<3.66E-04	<5.77E-04	<3.11E-03	<2.62E-03	<1.17E-03	<1.17E-03	<2.14E-03	<1.66E-03
Interface	Med	62	TPY	<5.62E+02	<3.21E+01	0.166	<1.21E-03	<1.03E-03	<1.25E-03	<3.12E-03	<8.30E-03	<7.01E-03	<3.13E-03	<3.13E-03	<5.72E-03	<4.43E-03
Interface	Low	40	TPY	<4.88E+02	<6.29E-01	0.179	<1.57E-03	<1.45E-03	<1.48E-03	<4.58E-03	<1.26E-02	<1.06E-02	<4.75E-03	<4.75E-03	<8.66E-03	<6.71E-03
Non-Reaction Area	High	96	TPY	<1.03E+03	<1.32E+01	<2.97E-01	0.0161	<3.34E-03	<3.41E-03	<3.38E-03	<2.89E-02	<2.44E-02	<3.29E-02	<3.29E-02	<1.99E-02	<1.54E-02
Non-Reaction Area	Med	220	TPY	<1.89E+03	<2.49E+00	0.608	<7.46E-03	<5.76E-03	<1.07E-02	<5.82E-03	<4.98E-02	<4.21E-02	<1.88E-02	<1.88E-02	<3.43E-02	<2.66E-02
Non-Reaction Area	Low	6	TPY	<7.63E+02	<1.39E+00	<1.98E-01	<3.86E-02	<6.86E-03	<7.00E-03	<6.93E-03	<5.94E-02	<5.02E-02	<2.24E-02	<2.24E-02	<4.09E-02	<3.17E-02
Non SEM Area			TPY	<8.96E+02	<1.15E+01	<2.77E-01	<7.61E-03	<5.86E-03	<5.24E-03	<4.94E-03	<2.01E-02	<1.70E-02	<1.66E-02	<1.66E-02	<1.38E-02	<1.07E-02
Total			**TPY**	**<1.27E+04**	**<1.63E+02**	**<3.93E+00**	**<1.08E-01**	**<8.30E-02**	**<7.43E-02**	**<7.00E-02**	**<2.85E-01**	**<2.40E-01**	**<2.35E-01**	**<2.35E-01**	**<1.96E-01**	**<1.52E-01**
Site Emissions by Area																
Exceedance Area			TPY	<8.37E+01	<1.52E-01	0.045	<2.81E-03	<7.00E-04	<7.14E-04	<7.08E-04	<6.06E-03	<5.12E-03	0.009	0.009	<4.18E-03	<3.24E-03
Anomalous Area			TPY	<4.21E+03	32.74	0.43	<1.42E-02	<6.67E-03	<7.64E-03	<8.01E-03	<2.23E-02	<1.88E-02	<1.29E-02	<1.29E-02	<1.53E-02	<1.18E-02
Membrane			TPY	<2.43E+03	<3.45E+00	1.70	<1.78E-02	<5.10E-02	<3.65E-02	<3.19E-02	<7.41E-02	<6.25E-02	<1.13E-01	<1.13E-01	<5.10E-02	<3.95E-02
Interface			TPY	<1.38E+03	<9.80E+01	0.37	<3.24E-03	<2.84E-03	<3.10E-03	<8.28E-03	<2.40E-02	<2.02E-02	<9.06E-03	<9.06E-03	<1.65E-02	<1.28E-02
Non-Reaction Area			TPY	<3.69E+03	<1.70E+01	<1.10E+00	<6.22E-02	<1.60E-02	<2.11E-02	<1.61E-02	<1.38E-01	<1.17E-01	<7.42E-02	<7.42E-02	<9.52E-02	<7.37E-02
Flux Values (mg/m2-min)																
Site Average			mg/m2-m	<1.83E+01	<2.35E-01	<5.65E-03	<1.55E-04	<1.19E-04	<1.07E-04	<1.01E-04	<4.10E-04	<3.46E-04	<3.38E-04	<3.38E-04	<2.82E-04	<2.19E-04
Anomalous Area			mg/m2-m	<9.91E+01	0.77	0.0102	<3.34E-04	<1.57E-04	<1.80E-04	<1.89E-04	<5.24E-04	<4.42E-04	<3.03E-04	<3.04E-04	<3.60E-04	<2.79E-04
Membrane Area			mg/m2-m	<1.26E+01	<1.78E-02	0.0088	<9.21E-05	<2.63E-04	<1.89E-04	<1.65E-04	<3.83E-04	<3.23E-04	<5.84E-04	<5.84E-04	<2.64E-04	<2.04E-04
InterfaceArea			mg/m2-m	<2.11E+01	<1.50E+00	0.0056	<4.94E-05	<4.33E-05	<4.72E-05	<1.26E-04	<3.66E-04	<3.09E-04	<1.38E-04	<1.38E-04	<2.52E-04	<1.95E-04
Non-Reaction Area			mg/m2-m	<1.13E+01	<5.21E-02	<3.37E-03	<1.90E-04	<4.88E-05	<6.45E-05	<4.93E-05	<4.22E-04	<3.57E-04	<2.27E-04	<2.27E-04	<2.91E-04	<2.25E-04
LD Yard			mg/m2-m	112	8.29	0.0195	<8.31E-05	<5.51E-05	<4.84E-05	<4.79E-05	<4.10E-04	<3.46E-04	<1.88E-04	<1.88E-04	<2.82E-04	<2.19E-04
Road			mg/m2-m	<1.58E+01	<1.51E-02	0.0063	<1.57E-04	<9.22E-05	<7.90E-05	<5.25E-05	<4.50E-04	<3.80E-04	<1.70E-04	<1.70E-04	<3.10E-04	<2.40E-04

Table 5.4 Site Surface Emissions Summary, TO-15 Compounds.

Category	Subset	Rep Cell	Units	Trichloroethene (TCE)	Ethanol	Acetone	Methanol	Hexane	2-Butanone (MEK)	Isopropyltoluene	2-Hexanone	Acrolein	Benzene	Toluene	m,p-Xylenes	Chloromethane	Ethylbenzene	Propylene	Chloroform	Nonane	o-Xylene	Octane	Tetrahydrofuran	n-Heptane	Chloroethane	1,2-Dichloroethane	Cyclohexane
Exceedance Area		175	TPY	<1.77E-04	<1.82E-02	0.023	<1.09E-03	0.004	0.010	<1.44E-03	0.0176	0.0032	0.0037	<2.08E-03	<5.71E-04	0.0050	<5.71E-04	0.0013	<3.21E-04	<6.90E-04	<5.71E-04	<6.14E-04	<1.94E-04	<5.39E-04	<3.47E-04	<2.66E-04	<2.26E-04
Anomalous	High	240	TPY	<1.23E-04	0.088	0.185	<2.64E-02	<5.13E-04	<2.18E-02	0.0529	<3.74E-04	<6.55E-03	<2.95E-03	0.0113	0.0115	0.0102	0.0080	0.0114	<5.09E-03	<2.64E-03	0.0053	<9.30E-04	<4.97E-03	<1.24E-03	<2.41E-04	<1.85E-04	<4.58E-04
Anomalous	Med	241	TPY	<1.09E-04	0.037	0.019	0.006	<2.85E-04	0.009	<8.97E-04	<1.30E-02	0.0035	0.0029	<9.68E-04	<3.62E-04	0.0010	<3.59E-04	0.0013	<1.96E-04	<4.35E-04	<3.59E-04	<3.82E-04	<1.47E-04	<3.39E-04	<2.12E-04	<1.66E-04	<1.42E-04
Anomalous	Low	52	TPY	<4.16E-04	<2.08E-02	0.055	<8.93E-02	<1.09E-03	<1.03E-02	<6.15E-03	<1.27E-03	0.0125	<3.46E-03	<2.34E-03	<1.36E-03	0.0084	<1.36E-03	<3.35E-03	<7.56E-04	<1.62E-03	<1.36E-03	<1.45E-03	<4.56E-04	<1.27E-03	<8.17E-04	<6.27E-04	<5.33E-04
Membrane	High	173	TPY	<4.16E-04	0.286	0.052	<4.23E-03	0.207	<5.06E-03	<1.47E-02	<1.21E-02	<5.38E-03	0.0259	0.0286	0.0203	0.0121	<1.16E-02	0.0065	<7.55E-04	<7.01E-03	<5.56E-03	<3.18E-03	<2.99E-03	<1.27E-03	<8.16E-04	<6.26E-04	<5.33E-04
Membrane	Med	69	TPY	<6.62E-04	0.129	0.074	<8.88E-03	<4.21E-03	<2.59E-02	<5.41E-03	<2.65E-02	0.0104	<1.34E-02	<3.71E-03	<2.14E-03	<5.23E-03	<2.14E-03	0.0075	<1.20E-03	<2.59E-03	<2.14E-03	<2.30E-03	<7.27E-04	<2.02E-03	<1.30E-03	<9.98E-04	<8.49E-04
Membrane	Low	177	TPY	<1.08E-03	0.342	0.123	<2.04E-02	0.267	<2.69E-02	<2.76E-01	<3.29E-03	0.0285	<5.96E-02	<3.11E-02	<5.94E-02	<2.52E-02	<5.61E-02	<5.14E-03	<1.96E-03	<3.06E-02	<2.88E-02	<7.13E-03	<1.13E-02	<3.29E-03	<2.12E-03	<1.63E-03	<1.38E-03
Interface	High	36	TPY	<1.59E-01	0.037	0.018	0.006	<2.38E-04	0.004	<7.40E-04	<2.76E-04	<3.30E-03	<2.27E-03	<5.08E-04	<2.93E-04	<1.33E-03	<2.93E-04	0.0022	<3.38E-03	<3.54E-04	<2.93E-04	<3.15E-04	<9.94E-05	<2.76E-04	<1.78E-04	<1.36E-04	<2.45E-04
Interface	Med	62	TPY	0.366	0.085	0.074	0.008	<2.20E-03	0.043	<1.98E-03	<3.09E-02	0.0071	0.0059	<1.46E-03	<7.93E-04	<2.55E-03	<7.92E-04	0.0036	<1.43E-03	<9.48E-04	<9.90E-04	<8.48E-04	<2.65E-04	<7.52E-04	<4.75E-04	<3.67E-04	<3.26E-04
Interface	Low	40	TPY	<4.31E-01	0.059	0.054	0.010	<9.62E-04	<6.33E-03	<2.99E-03	<2.72E-03	0.0071	<4.35E-03	<2.05E-03	<1.94E-03	<2.74E-03	<1.81E-03	0.0031	<7.17E-03	<1.43E-03	<1.86E-03	<1.27E-03	<3.45E-03	<1.12E-03	<7.19E-04	<5.52E-04	<4.70E-04
Non-Reaction Area	High	96	TPY	<8.15E-01	0.065	0.205	0.347	<1.97E-02	0.038	<6.89E-03	<1.12E-02	0.0502	<1.37E-02	<1.17E-02	<2.73E-03	0.0160	<2.73E-03	0.0164	<4.72E-02	<3.29E-03	<2.73E-03	<2.93E-03	<9.25E-04	<2.57E-03	<1.66E-03	<1.27E-03	<1.08E-03
Non-Reaction Area	Med	220	TPY	1.171	0.382	0.103	0.036	<3.81E-03	<6.15E-03	<1.19E-02	<9.13E-03	0.0269	<1.45E-02	<8.14E-03	<4.70E-03	<4.60E-03	<4.70E-03	0.0109	<2.64E-03	<5.67E-03	<4.70E-03	<5.05E-03	<1.60E-03	<4.43E-03	<2.85E-03	<2.19E-03	<1.86E-03
Non-Reaction Area	Low	6	TPY	<1.32E+00	<6.22E-02	0.344	<2.56E-02	<4.54E-03	<1.98E-01	<1.41E-02	<1.54E-01	<2.44E-02	<2.20E-02	<9.71E-03	<5.60E-03	<7.65E-03	<5.60E-03	0.0161	<3.15E-03	<6.76E-03	<5.60E-03	<6.02E-03	<1.90E-03	<5.28E-03	<3.40E-03	<2.61E-03	<2.22E-03
Non SEM Area			TPY	<3.24E-01	<1.22E-01	0.101	<4.48E-02	<3.91E-02	<3.05E-02	<3.01E-02	<2.14E-02	<1.44E-02	<1.33E-02	<8.63E-03	<8.49E-03	<7.75E-03	<7.30E-03	<6.75E-03	<5.71E-03	<4.86E-03	<4.57E-03	<2.46E-03	<2.20E-03	<1.85E-03	<1.15E-03	<8.82E-04	<7.84E-04
Total			**TPY**	**<4.58E+00**	**<1.73E+00**	**1.432**	**<6.34E-01**	**<5.54E-01**	**<4.33E-01**	**<4.26E-01**	**<3.04E-01**	**<2.03E-01**	**<1.88E-01**	**<1.22E-01**	**<1.20E-01**	**<1.10E-01**	**<1.03E-01**	**<9.57E-02**	**<8.09E-02**	**<6.89E-02**	**<6.48E-02**	**<3.49E-02**	**<3.12E-02**	**<2.62E-02**	**<1.63E-02**	**<1.25E-02**	**<1.11E-02**
Site Emissions by Area																											
Exceedance Area			TPY	<1.77E-04	<1.82E-02	0.023	<1.09E-03	0.004	0.010	<1.44E-03	0.0176	0.0032	0.0037	<2.08E-03	<5.71E-04	0.0050	<5.71E-04	0.0013	<3.21E-04	<6.90E-04	<5.71E-04	<6.14E-04	<1.94E-04	<5.39E-04	<3.47E-04	<2.66E-04	<2.26E-04
Anomalous Area			TPY	<6.48E-04	<1.46E-01	0.259	<1.22E-01	<1.89E-03	<4.07E-02	<6.00E-02	<1.46E-02	<2.26E-02	<9.34E-03	<1.46E-02	<1.32E-02	0.0197	<9.76E-03	<1.60E-02	<6.04E-03	<4.70E-03	<7.02E-03	<2.76E-03	<5.57E-03	<2.84E-03	<1.27E-03	<9.78E-04	<1.13E-03
Membrane			TPY	<2.16E-03	0.756	0.249	<3.35E-02	<4.78E-01	<5.78E-02	<2.96E-01	<4.19E-02	<4.43E-02	<9.89E-02	<6.34E-02	<8.19E-02	<4.25E-02	<6.99E-02	<1.92E-02	<3.92E-03	<4.02E-02	<3.65E-02	<1.26E-02	<1.50E-02	<6.58E-03	<4.24E-03	<3.25E-03	<2.77E-03
Interface			TPY	<9.56E-01	0.181	0.146	0.024	<3.40E-03	<5.25E-02	<5.71E-03	<3.39E-02	<1.75E-02	<1.25E-02	<4.02E-03	<3.03E-03	<6.61E-03	<2.90E-03	0.0090	<1.20E-02	<2.73E-03	<3.15E-03	<2.44E-03	<3.82E-03	<2.15E-03	<1.37E-03	<1.06E-03	<1.04E-03
Non-Reaction Area			TPY	<3.30E+00	<5.10E-01	0.653	<4.09E-01	<2.80E-02	<2.41E-01	<3.29E-02	<1.74E-01	<1.01E-01	<5.01E-02	<2.95E-02	<1.30E-02	<2.82E-02	<1.30E-02	0.0434	<5.29E-02	<1.57E-02	<1.30E-02	<1.40E-02	<4.42E-03	<1.23E-02	<7.91E-03	<6.07E-03	<5.16E-03
Flux Values (mg/m2-min)																											
Site Average			mg/m2-m	<6.60E-03	<2.50E-03	0.0021	<9.13E-04	<7.98E-04	<6.23E-04	<6.14E-04	<4.37E-04	<2.93E-04	<2.70E-04	<1.76E-04	<1.73E-04	<1.58E-04	<1.49E-04	<1.38E-04	<1.16E-04	<9.92E-05	<9.33E-05	<5.02E-05	<4.49E-05	<3.78E-05	<2.34E-05	<1.80E-05	<1.60E-05
Anomalous Area			mg/m2-m	<1.52E-05	<3.43E-03	0.0061	<2.87E-03	<4.45E-05	<9.58E-04	<1.41E-03	<3.44E-04	<5.32E-04	<2.20E-04	<3.44E-04	<3.12E-04	0.00046	<2.30E-04	<3.78E-04	<1.42E-04	<1.11E-04	<1.65E-04	<6.49E-05	<1.31E-04	<6.69E-05	<2.99E-05	<2.30E-05	<2.67E-05
Membrane Area			mg/m2-m	<1.11E-05	0.0039	0.0013	<1.73E-04	<2.47E-03	<2.99E-04	<1.53E-03	<2.16E-04	<2.29E-04	<5.11E-04	<3.27E-04	<4.23E-04	<2.19E-04	<3.61E-04	<9.92E-05	<2.03E-05	<2.08E-04	<1.88E-04	<6.52E-05	<7.75E-05	<3.40E-05	<2.19E-05	<1.68E-05	<1.43E-05
InterfaceArea			mg/m2-m	<1.46E-02	0.0028	0.0022	0.0004	<5.18E-05	<8.01E-04	<8.71E-05	<5.17E-04	<2.67E-04	<1.91E-04	<6.14E-05	<4.62E-05	<1.01E-04	<4.42E-05	0.00014	<1.83E-04	<4.17E-05	<4.80E-05	<3.72E-05	<5.83E-05	<3.27E-05	<2.09E-05	<1.61E-05	<1.59E-05
Non-Reaction Area			mg/m2-m	<1.01E-02	<1.56E-03	0.0020	<1.25E-03	<8.58E-05	<7.38E-04	<1.01E-04	<5.33E-04	<3.10E-04	<1.53E-04	<9.03E-05	<3.98E-05	<8.63E-05	<3.98E-05	0.00013	<1.62E-04	<4.81E-05	<3.98E-05	<4.28E-05	<1.35E-05	<3.76E-05	<2.42E-05	<1.86E-05	<1.58E-05
LD Yard			mg/m2-m	<1.20E-05	0.0014	0.0025	0.0007	0.0002	<9.42E-04	<9.76E-05	<7.22E-04	0.0003	<9.95E-05	<6.72E-05	<5.83E-05	0.00016	<3.88E-05	0.00020	<9.46E-05	<4.67E-05	<3.87E-05	<4.15E-05	<1.31E-05	<3.68E-05	<2.35E-05	<1.81E-05	<1.56E-05
Road			mg/m2-m	<1.31E-05	<1.27E-02	0.0057	<1.33E-04	0.0002	0.0046	<1.07E-04	0.0010	0.0006	<2.50E-04	<1.06E-04	<7.35E-05	0.00017	<8.14E-05	0.00030	<2.38E-05	<5.12E-05	<6.29E-05	<4.56E-05	<1.44E-05	<7.23E-05	<2.57E-05	<1.98E-05	<5.71E-05

Observaciones Basadas en Datos

Tendencia General de los Datos

La Tabla 5.5 proporciona una comparación de los índices de emisiones en todo el sitio (en toneladas/año) para los productos químicos seleccionados de los eventos de prueba de la cámara de flujo de agosto de 2023, marzo de 2024, noviembre de 2024, marzo de 2025, julio de 2025, noviembre de 2025, marzo de 2026 y julio de 2026. Estos datos demuestran que aunque hubo un importante aumento en las emisiones desde el Primer al Segundo Evento de Prueba, como resultado de importantes condiciones de alteración que ocurrieron durante el Segundo Evento de Prueba, los resultados del Tercer, Cuarto, Quinto, Sexto, Séptimo y Octavo Evento de Prueba indicaron una reducción sustancial en las emisiones en comparación con esos eventos anteriores, para la mayoría de los compuestos especiados analizados. Esta tendencia probablemente es el resultado de mejoras en la recuperación de gas y en los sistemas de las cubiertas del Vertedero. Se debe tener en cuenta que en la mayoría de los compuestos especiados, los resultados de laboratorio estuvieron cerca o por debajo del límite de detección del método. Por lo tanto, probablemente habrá reducciones adicionales limitadas en las emisiones cuantificables de esos compuestos en futuros eventos, debido a las limitaciones en la realización de análisis químicos de las muestras de gas.

Durante el Octavo Evento de Prueba, hubo emisiones más bajas, incluso las más bajas registradas, para la mayoría de los constituyentes, que incluyen dióxido de carbono, metano, VOCs totales y ciertos VOCs individuales que en los Eventos de Prueba anteriores. Aquí observamos lo que más se destaca en este set de datos:

1. El tricloroeteno (TCE) fue el compuesto tóxico dominante en el perfil de emisiones. Este compuesto ha tenido una presencia muy inconsistente en los siete eventos de prueba anteriores. Además, en vertederos, generalmente aparecen productos de degradación de TCE (*por ejemplo,* PCE, cloruro de vinilo) junto a este compuesto, pero en este caso no aparecen. No se detectó ninguna contaminación sistemática de TCE y el laboratorio ha verificado su presencia y cantidad en las muestras con un alto grado de certeza. Se debe tener en cuenta que aunque éste es el compuesto tóxico dominante, las concentraciones en la cámara de flujo continúan siendo muy bajas (ppbv de dos dígitos). No se han detectado TCE, PCE ni cloruro de vinilo en el gas de vertedero.
2. Además del TCE, ahora dominan el perfil de emisiones másicas compuestos orgánicos oxigenados.
3. Las emisiones másicas de dióxido de carbono y de metano han alcanzado un valor mínimo récord.
4. Las emisiones de VOC totales fueron las segundas más bajas en todos los eventos de prueba.
5. Los compuestos de azufre están cerca de mínimos récord en todos los casos.
6. Las emisiones de benceno fueron las segundas más bajas en todos los eventos de prueba.

Table 5.5 Comparison of Site-wide Surface Air Emissions (tons/yr) for the Eight Test Events.

		Test Event							
		1	2	3	4	5	6	7	8
Compound	**Units**	**Aug-23**	**Mar-24**	**Nov-24**	**Mar-25**	**Jul-25**	**Nov-25**	**Mar-26**	**Jul-26**
Carbon dioxide	tons/yr	41,312	327,049	216,177	100,526	46,702	92,157	98,854	**12,697**
Methane	tons/yr	3,357	11,456	6,880	4,756	285	2,979	6,055	**163**
Total VOC	tons/yr	207	853	61	26	2.6	4.39	19.04	**3.93**
Trichloroethene (TCE)	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	1.07	0.04	**4.58**
Ethanol	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	<0.05	<0.05	**1.73**
Acetone	tons/yr	17.64	50.66	1.30	1.38	0.54	0.69	2.33	**1.43**
Methanol	tons/yr	9.09	<4	0.51	0.79	0.45	0.34	5.59	**0.63**
Hexane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.09	0.05	**0.55**
2-Butanone (MEK)	tons/yr	9.06	51.20	0.24	0.30	0.07	0.14	1.15	**0.43**
Isopropyltoluene	tons/yr	3.72	15.23	0.18	0.51	<0.05	0.14	0.72	**0.43**
2-Hexanone	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	<0.05	<0.05	**0.30**
Hydrogen Sulfide	tons/yr	0.13	3.81	0.72	0.24	0.15	0.40	0.21	**0.23**
Acrolein	tons/yr	NA	NA	NA	NA	0.05	0.07	0.16	**0.20**
Dimethyl Sulfide	tons/yr	15.2	57.9	0.9	1.0	ND	0.84	0.91	**0.20**
Benzene	tons/yr	9.33	104.31	0.27	0.90	0.14	0.20	2.05	**0.19**
Total Xylenes	tons/yr	1.52	9.79	0.30	0.48	0.08	0.10	1.17	**0.19**
Toluene	tons/yr	2.00	18.64	0.22	0.29	0.06	0.11	0.85	**0.12**
Chloromethane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	<0.05	<0.05	**0.11**
Ethylbenzene	tons/yr	1.14	10.07	0.16	0.20	0.03	0.05	0.80	**0.10**
Propylene (Corrected)	tons/yr	6.62	29.82	0.69	0.41	0.05	0.08	0.24	**0.10**
Chloroform	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.10	**0.081**
Nonane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.28	**0.069**
Octane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.20	**0.035**
Tetrahydrofuran	tons/yr	13.62	106.99	0.06	0.23	0.01	0.12	1.02	**0.031**
n-Heptane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.05	0.23	**0.026**
Chloroethane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.03	0.03	**0.016**
1,2-Dichloroethane	tons/yr	<0.1	<4	<0.05	<0.05	<0.05	0.02	0.04	**0.013**

Hipótesis para el Cálculo del Límite de Detección del Método

Todas las emisiones informadas oficialmente se calcularon en base al uso de la mitad del límite de detección del método (MDL) para la concentración cuando no se detecta un compuesto (ND = MDL/2). La Tabla 5.6 muestra el impacto de esta hipótesis comparando los datos de ½ MDL con un cálculo en el que se asume que un compuesto "No Detectado" es un valor de cero (ND = 0). Las emisiones de los compuestos resaltados en azul son las más impactadas por esta hipótesis.

Tabla 5.6 Comparación de la Hipótesis para el Cálculo del Límite de Detección del Método (Los compuestos más impactados están sombreados).

Compuesto	ND=MDL/2	ND=0	%ND
Dióxido de carbono	12,697	9,517	25%
Metano	163	159	2%
VOC	3.9	3.9	2%
TO-15			
Tricloroeteno (TCE)	4.6	4.6	0%
Etanol	1.7	1.7	1%
Acetona	1.4	1.4	0%
Metanol	0.63	0.63	1%
Hexano	0.55	0.54	3%
2-Butanona (MEK)	0.43	0.43	2%
Isopropiltolueno	0.43	0.37	13%
2-Hexanona	0.30	0.29	5%
Acroleína	0.20	0.20	1%
Benceno	0.19	0.16	17%
Tolueno	0.12	0.09	29%
m,p-Xilenos	0.12	0.10	18%
Clorometano	0.11	0.10	6%
Etilbenceno	0.103	0.081	21%
Propileno	0.096	0.095	1%
Cloroformo	0.081	0.067	17%
Nonano	0.069	0.040	42%
o-Xileno	0.065	0.041	36%
Octano	0.0349	0.0080	77%
Tetrahidrofurano	0.0312	0.0231	26%
n-Heptano	0.0262	0.0010	96%
Cloroetano	0.0163	0.0000	100%
1,2-Dicloroetano	0.0125	0.0000	100%
Ciclohexano	0.0111	0.0005	95%
TO-14			
Propeno - TO-14	0.1079	0.0866	20%
Benceno TO-14	0.0830	0.0546	34%
Etilbenceno TO-14	0.0743	0.0490	34%
Tolueno TO-14	0.0700	0.0421	40%
307-91			
sec-Butil Mercaptano	0.2846	0.0001	100%
Isopropil Mercaptano	0.2403	0.0001	100%
Ácido Sulfhídrico	0.2346	0.1646	30%
Azufre Total Reducido	0.2346	0.1646	30%
Sulfuro de Dimetilo	0.1960	0.0000	100%
Metilmercaptano	0.1518	0.0000	100%

Emisiones de la Membrana

La Tabla 5.7 muestra las emisiones de la membrana comparadas con las emisiones totales. Los compuestos con un alto porcentaje de emisiones de membrana pueden ser permeables a través de la membrana. Sin embargo, se debe tener en cuenta que varios de estos compuestos, como se muestra arriba, están dominados por no detecciones, lo que significa que las emisiones másicas informadas de estos constituyentes son dominadas por la hipótesis de que una no detección es igual en valor a la mitad del límite de detección. Este nivel de No Detecciones del Total de Emisiones con respecto a las Emisiones de la Membrana también demuestra la efectividad de las medidas de mitigación de Chiquita para mejorar las emisiones. Por lo tanto, se recomienda precaución al sacar conclusiones sobre esos compuestos.

Tabla 5.7 Comparación del Total de Emisiones con las Emisiones de la Membrana.

		Emisiones		
Compuesto	**Unidades**	**Total**	**Membrana**	**% de Membrana**
Dióxido de carbono	toneladas/año	12,697	2,433	19%
Metano	toneladas/año	163	3.5	2%
VOC	toneladas/año	3.9	1.7	43%
TO-15				
Tricloroeteno (TCE)	toneladas/año	4.58	0.002	0%
Etanol	toneladas/año	1.73	0.76	44%
Acetona	toneladas/año	1.43	0.25	17%
Metanol	toneladas/año	0.63	0.03	5%
Hexano	toneladas/año	0.55	0.48	86%
2-Butanona (MEK)	toneladas/año	0.433	0.058	13%
Isopropiltolueno	toneladas/año	0.426	0.296	69%
2-Hexanona	toneladas/año	0.304	0.042	14%
Acroleína	toneladas/año	0.203	0.044	22%
Benceno	toneladas/año	0.188	0.099	53%
Tolueno	toneladas/año	0.122	0.063	52%
m,p-Xilenos	toneladas/año	0.120	0.082	68%
Clorometano	toneladas/año	0.110	0.042	39%
Etilbenceno	toneladas/año	0.103	0.070	68%
Propileno	toneladas/año	0.096	0.019	20%
Cloroformo	toneladas/año	0.081	0.004	5%
Nonano	toneladas/año	0.069	0.040	58%
o-Xileno	toneladas/año	0.065	0.036	56%
Octano	toneladas/año	0.035	0.013	36%
Tetrahidrofurano	toneladas/año	0.031	0.015	48%
n-Heptano	toneladas/año	0.026	0.007	25%
Cloroetano	toneladas/año	0.016	0.004	26%
1,2-Dicloroetano	toneladas/año	0.013	0.003	26%
Ciclohexano	toneladas/año	0.011	0.003	25%
TO-14				
Propeno - TO-14	toneladas/año	0.108	0.018	17%
Benceno TO-14	toneladas/año	0.083	0.051	61%
Etilbenceno TO-14	toneladas/año	0.074	0.037	49%
Tolueno TO-14	toneladas/año	0.070	0.032	46%
307-91				
sec-Butil Mercaptano / Tiofeno	toneladas/año	0.285	0.074	26%
Isopropil Mercaptano	toneladas/año	0.240	0.063	26%
Ácido Sulfhídrico	toneladas/año	0.235	0.113	48%
Azufre Total Reducido	toneladas/año	0.235	0.113	48%
Sulfuro de Dimetilo	toneladas/año	0.196	0.051	26%
Metilmercaptano	toneladas/año	0.152	0.040	26%

Desempeño de la Interfaz de las Membranas

Ha habido dudas sobre si la interfaz de cubiertas de membrana/suelo podría tener emisiones más altas. Eventos anteriores han demostrado que éste no es el caso. No obstante, para este evento, hubo un aumento importante en las emisiones en la zona de la interfaz si se las compara con el área de membrana y el metano fue el más significativo por un amplio margen. La Tabla 5.8 muestra el porcentaje del aumento de flujo en la zona de la interfaz, comparado con el flujo en la membrana, para los compuestos identificados. Los compuestos con los aumentos más significativos en la interfaz están resaltados en azul. Se debe tener en cuenta que para este evento de prueba, las emisiones totales de metano en el sitio fueron las más bajas de los ocho eventos de prueba.

Tabla 5.8 Comparación del Flujo de la Membrana y de la Interfaz de Cubierta de Membrana/Suelo.

Compuesto	Unidades	Zona de Membrana	Zona de Interfaz	% de Aumento para Interfaz
Dióxido de carbono	mg/m^2-min.	13	21	68%
Metano	mg/m^2-min.	0.0178	1.4952	8284%
VOC	mg/m^2-min.	0.0088	0.0056	-36%
TO-15				
Tricloroeteno (TCE)	mg/m^2-min.	0.00001	0.01458	130671%
Etanol	mg/m^2-min.	0.00391	0.00277	-29%
Acetona	mg/m^2-min.	0.00129	0.00223	73%
Metanol	mg/m^2-min.	0.00017	0.00037	112%
Hexano	mg/m^2-min.	0.00247	0.00005	-98%
2-Butanona (MEK)	mg/m^2-min.	0.00030	0.00080	168%
Isopropiltolueno	mg/m^2-min.	0.00153	0.00009	-94%
2-Hexanona	mg/m^2-min.	0.00022	0.00052	139%
Acroleína	mg/m^2-min.	0.00023	0.00027	17%
Benceno	mg/m^2-min.	0.00051	0.00019	-63%
Tolueno	mg/m^2-min.	0.00033	0.00006	-81%
m,p-Xilenos	mg/m^2-min.	0.00042	0.00005	-89%
Clorometano	mg/m^2-min.	0.00022	0.00010	-54%
Etilbenceno	mg/m^2-min.	0.00036	0.00004	-88%
Propileno	mg/m^2-min.	0.00010	0.00014	38%
Cloroformo	mg/m^2-min.	0.00002	0.00018	802%
Nonano	mg/m^2-min.	0.00021	0.00004	-80%
o-Xileno	mg/m^2-min.	0.00019	0.00005	-75%
Octano	mg/m^2-min.	0.00007	0.00004	-43%
Tetrahidrofurano	mg/m^2-min.	0.00008	0.00006	-25%
n-Heptano	mg/m^2-min.	0.00003	0.00003	-4%
Cloroetano	mg/m^2-min.	0.00002	0.00002	-4%
1,2-Dicloroetano	mg/m^2-min.	0.00002	0.00002	-4%
Ciclohexano	mg/m^2-min.	0.00001	0.00002	11%
TO-14				
Propeno - TO-14	mg/m^2-min.	0.00009	0.00005	-46%
Benceno TO-14	mg/m^2-min.	0.00026	0.00004	-84%
Etilbenceno TO-14	mg/m^2-min.	0.00019	0.00005	-75%
Tolueno TO-14	mg/m^2-min.	0.00017	0.00013	-23%
307-91				
sec-Butil Mercaptano / Tiofeno	mg/m^2-min.	0.00038	0.00037	-4%
Isopropil Mercaptano	mg/m^2-min.	0.00032	0.00031	-4%
Ácido Sulfhídrico	mg/m^2-min.	0.00058	0.00014	-76%
Azufre Total Reducido	mg/m^2-min.	0.00058	0.00014	-76%
Sulfuro de Dimetilo	mg/m^2-min.	0.00026	0.00025	-4%
Metilmercaptano	mg/m^2-min.	0.00020	0.00020	-4%

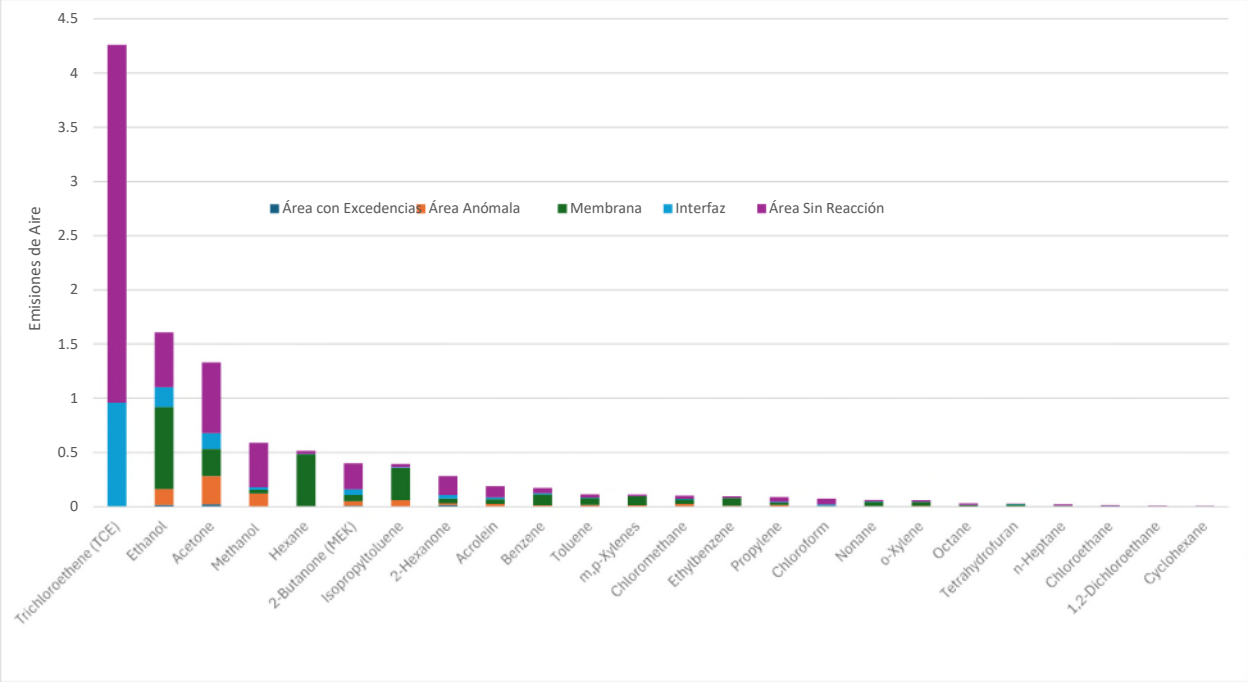
Distribución de Emisiones de Aire por Categoría de Origen

Las emisiones se computan por categoría y las cinco categorías son:

1. Zona de Excedencias
2. Zona de Membrana
3. Zona de Interfaz
4. Área Anómala
5. Zona No Reactiva

La Figura 5.1 muestra la distribución de emisiones para los principales compuestos TO-15 especiados. Este gráfico muestra que las emisiones de metanol, acetona y tricloroeteno se atribuyen ampliamente a las emisiones de las zonas sin reacción/sin excedencias. Todos los otros compuestos se atribuyen ampliamente a emisiones de las áreas del vertedero con membrana/excedencias.

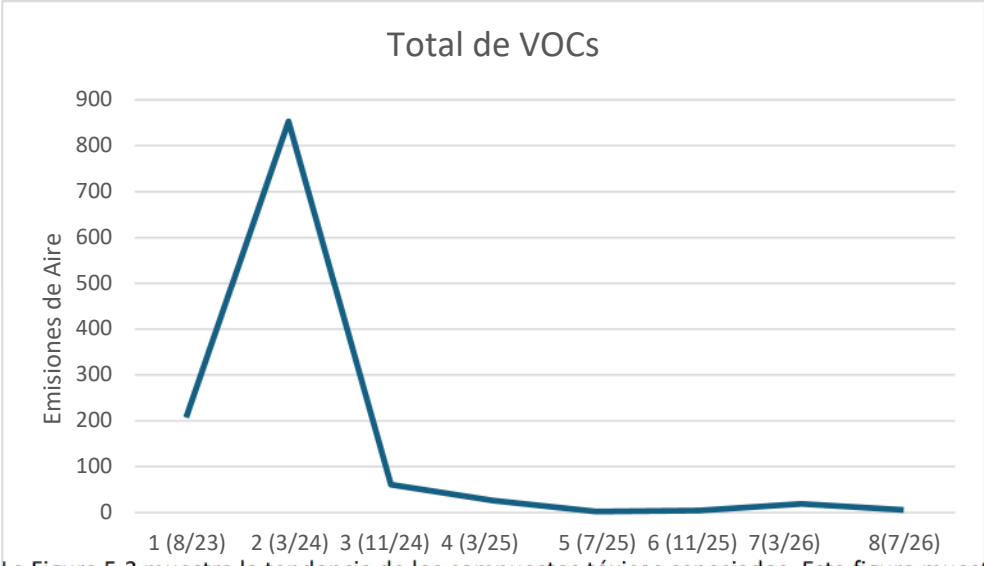
Figura 5.1 Distribución de Emisiones de Aire por Categoría de Origen.



Análisis de las Tendencias de los Compuestos Individuales y de los Grupos de Compuestos

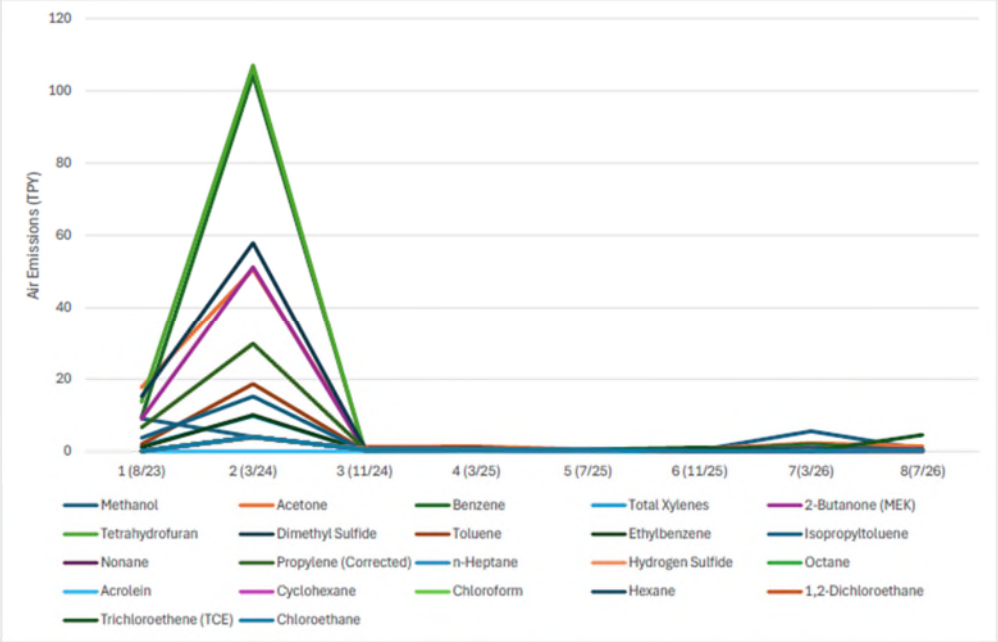
La Figura 5.2 muestra la tendencia de VOCs totales por TO-12 como C1. Gradualmente está tocando fondo después de una pronunciada reducción entre el Segundo y el Tercer Evento de Prueba.

Figura 5.2 VOC Total de todos los Eventos de Muestreo.



La Figura 5.3 muestra la tendencia de los compuestos tóxicos especiados. Esta figura muestra que las emisiones tóxicas se mantienen estables a un nivel bastante bajo entre el Tercer y Octavo Evento de Prueba. Las futuras emisiones tóxicas probablemente no se desviarán de estos bajos niveles encontrados durante el Tercer, Cuarto, Quinto, Sexto, Séptimo y Octavo Evento de Prueba.

Figura 5.3 Compuestos Tóxicos Especiados de todos los Eventos de Muestreo.



Índices Relativos de Emisiones de las Calles y Áreas de Colocación.

Para este evento de prueba, se analizaron una sección de la calle y un área de colocación para determinar cómo se comparaba el índice de flujo de los compuestos de la superficie de la calle/el área de colocación con la superficie en la membrana. Las Figuras 5.4 y
5.5 muestran cómo se compara el índice de flujo de la calle y del área de colocación con el índice de flujo de la membrana para los compuestos de TO-15 y de metano y VOC para la Figura 5.4.

Para la mayoría de los compuestos, los índices de flujo fueron muy similares para superficies con membrana si se los compara con las superficies de las calles y de las áreas de colocación. Las excepciones incluyeron:

1. El área de colocación tuvo un índice de flujo de metano sustancialmente más alto que en las superficies con membrana.
2. La calle tuvo índices de flujo más altos para etanol, acetona y MEK que en la superficie con membrana. Sin embargo, este índice de flujo más alto se debió a uno de los cuatro puntos de análisis.

Figura 5.4 Flujo de las Calles/Área de Colocación comparado con el flujo de las Membranas con relación a Tóxicos Especiados (Logarítmico).

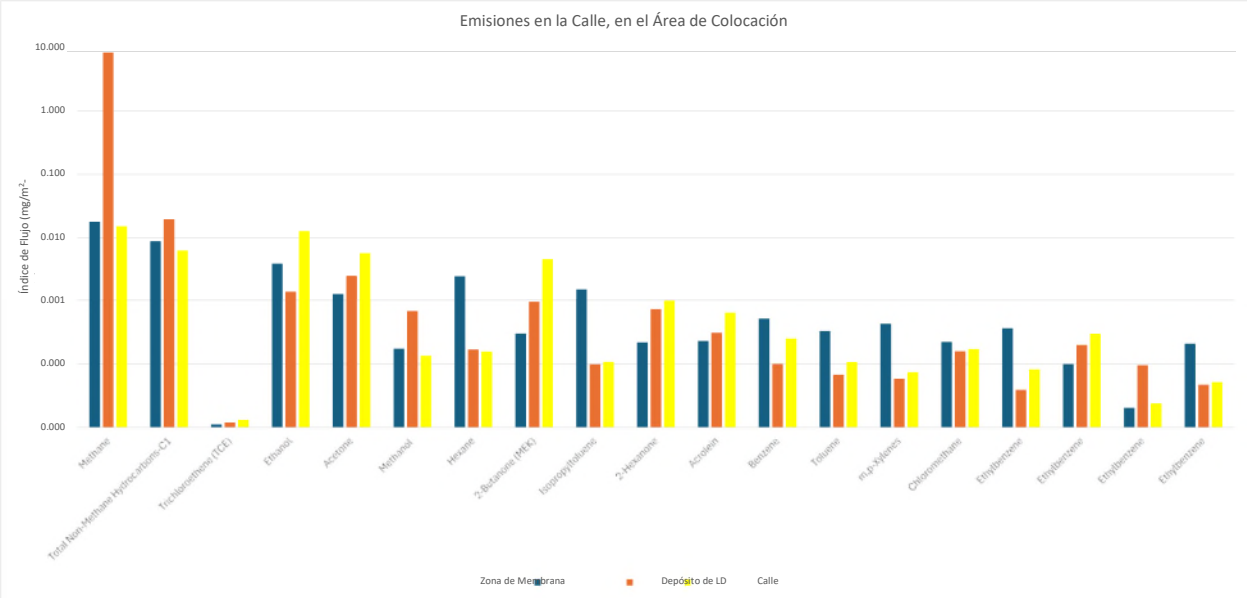
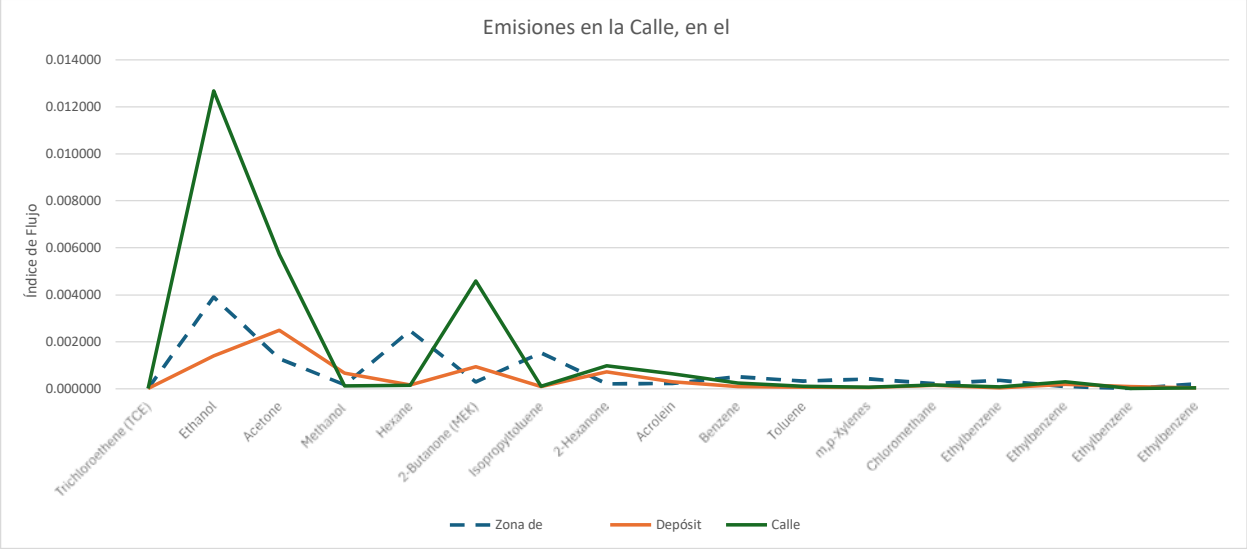


Figura 5.5 Flujo de las Calles/Área de Colocación comparado con el flujo de las Membranas con relación a Tóxicos Especiados (Aritmético).

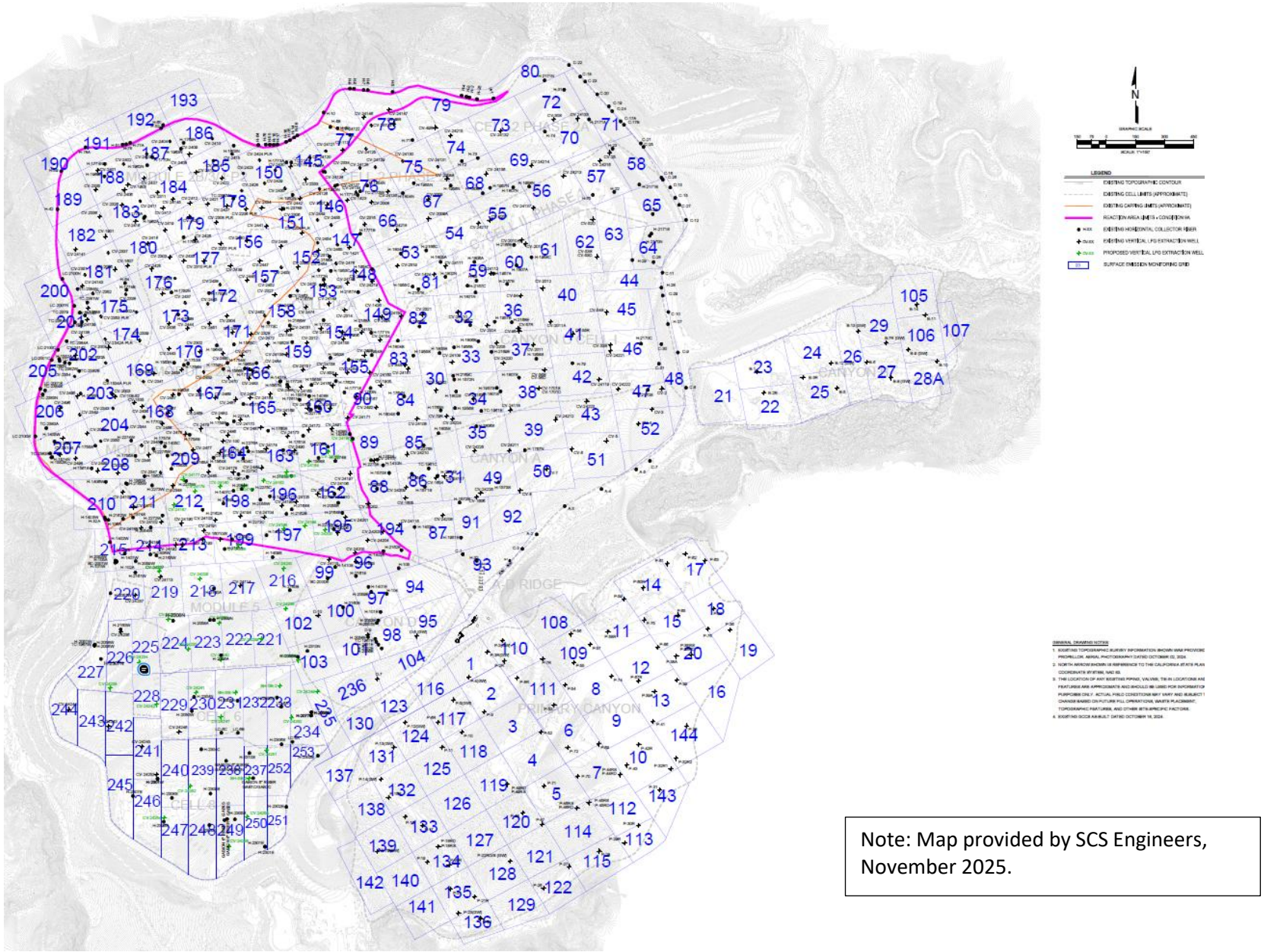


6. Obras Citadas

Card y Schmidt. *Vertedero de Chiquita Canyon, Castaic, California, Evaluación de Emisiones de Aire Post Remediación de las Superficies del Vertedero, Protocolo para la Toma de Muestras.* diciembre de 2023

Agencia de Protección Ambiental de EE.UU. (USEPA). 1986. *Medición de Índices de Emisiones de Gases de las Superficies de Tierra Usando una Cámara de Flujo de Aislamiento de Emisiones - Guía del Usuario*, EPA 600/8-86-008 (NTIS PB86-223161).

Appendix 1
Reaction Area Designation Map



Note: Map provided by SCS Engineers, November 2025.

Appendix 2
Grid Cell Field Screening Data

Table 2.1
PreTest Screening Grid Metrics

GRID 175	GRID 173	GRID 177	GRID 241	GRID 240	GRID 52	GRID 69	GRID LD Yard	GRID Road	GRID 36	GRID 40	GRID 62	GRID 220	GRID 96	GRID 6
8	8	6	1808	1800	98	7	2200	2	2100	####	6200	230	164	3 1 4%
7 2 7%	7	6	1000	700	97	7 3 8%	342	2	275	11	1176	64	160	3 1 4%
7	6	**6** 4 19%	862	**250** 4 13%	44	7	**225** 4 13%	2 4 25%	225	**10** 2 7%	240	**32** 4 13%	19	2
5	6	6	544	110	38	6	139	2	190	7	135	27	**15** 4 14%	2
5 4 14%	6	6	277	88	35	6	103	2	141	6	**111** 4 12%	22	11	2
5	6	6	**170** 5 15%	59	35	6 4 ###	91	2	**134** 6 17%	**6** 5 18%	**12** 2 6%	16	6	2
5	**6** 12 41%	**6** 4 19%	31	**48** 4 13%	35	6	**62** 4 13%	2 4 25%	130	5	8	15	**6** 3 11%	2
4	6	6	27	46	33	6	40	2	31	5	7	**12** 8 26%	5	2
4	6	5	**26** 6 18%	21	**22** 9 33%	6 4 ###	40	1	**29** 4 11%	4	**7** 27 82%	11	4	2 12 ###
4	6	5	24	7	20	6	20	1	27	4	7	11	4	2
4	6	**5** 7 31%	18	6	18	5	14	1 4 25%	19	4	6	10	4	2
4	6	5	17	6	17	5	12	1	14	4	6	10	4	2
4 23 79%	6	5	15	**6** 24 75%	16	5	10	1	13	3	6	10	**4** 21 75%	2
4	5	5	14	6	14	5	10	1	11	3	5	9	4	2
4	5	5	13	5	**14** 8 30%	5	6	1 4 25%	9	3	5	8	4	2
4	5	5	12	5	14	5	6	1	7	3	5	8	4	2
4	5	5	11	4	12	5	**4** 24 75%		6	3	4	8	4	2
4	5	**5** 7 31%	11	4	11	5	3		6	3	4	7	4	2 12 ###
4	**5** 12 41%	5	11	4	10	5	3		5	**3** 21 75%	4	7	4	2
4	5	5	11	4	10	5 26 ###	3		5	3	4	6	4	2
4	5	5	10	4	9	5	3		5	3	4	6	4	2
4	5		10	3	8	5	3		**5** 25 71%	3	4	5	4	2
4	5		9	3	7	5	3		5	3	4	5	4	2
3	5		**9** 22 67%	3	**7** 10 37%	5	3		5	3	3	5	4	2
3	5		7	3	7	5	3		5	3	3	**5** 19 61%	3	2
3	4		7	3	6	5	3		5	3	3	5	3	2
3	4		6	3	6	5	3		4	3	3	5	3	
3	**4** 5 17%		5	3	5	5	3		4	3	3	5	3	
3	4		5	3		5	2		4	3	3	5	3	
3	4		5	3		5	2		4		3	4		
			5	3		5	2		4		3	4		
			5	3		5	2		3		2	3		
			5	3		5	2		3		2			
			5			5			3		2			
						5			3					
						5			3					
29	29	21	33	32	27	36	32	16	35	28	33	31	28	26

Chiquita Canyon Landfill
Cell Screening Form

Grid ID 175

Instrument _____

Baseline A

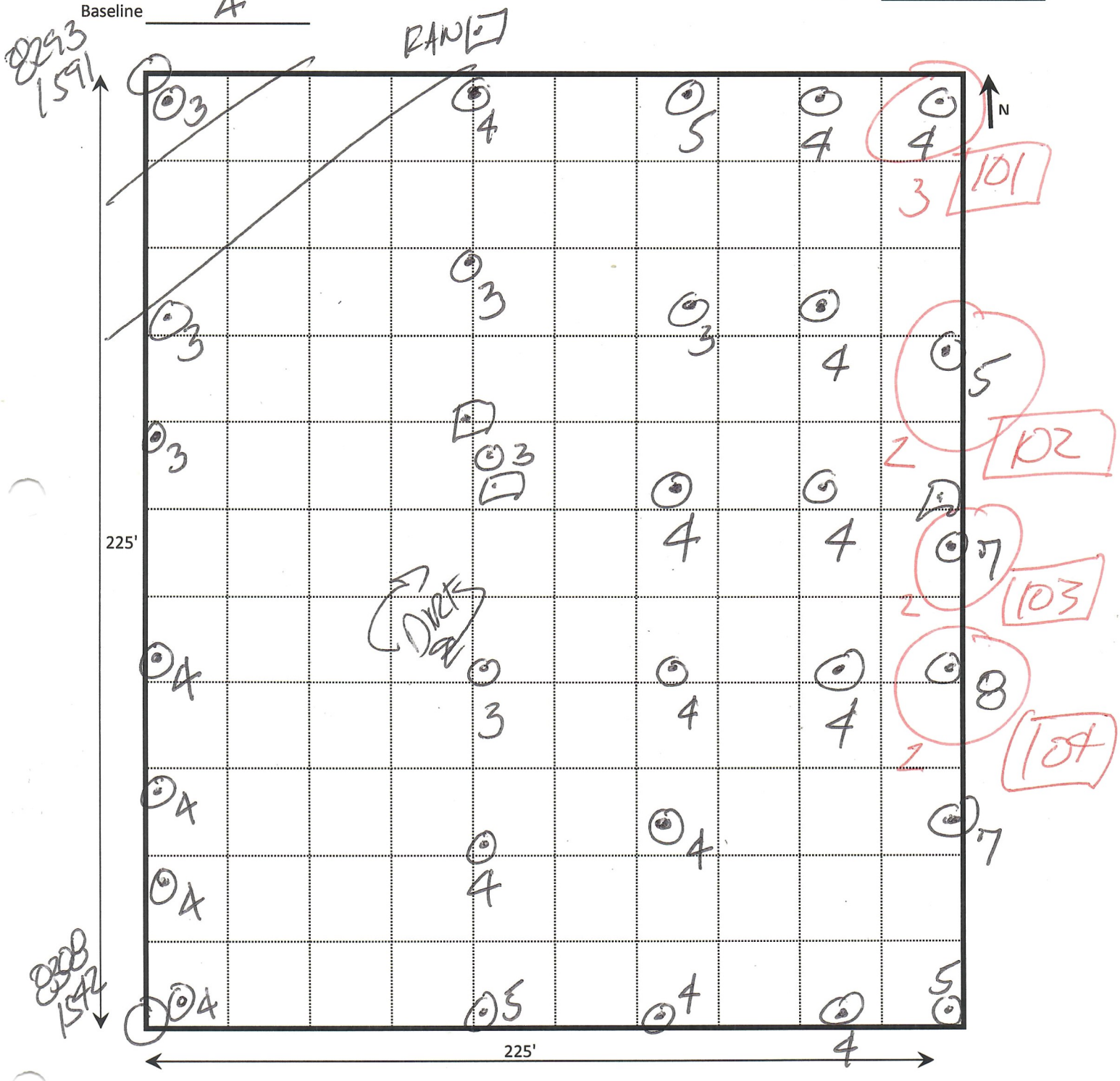
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/20

Time 7:22

Windpeed/Dir calm

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 123

Instrument _____

Baseline _____

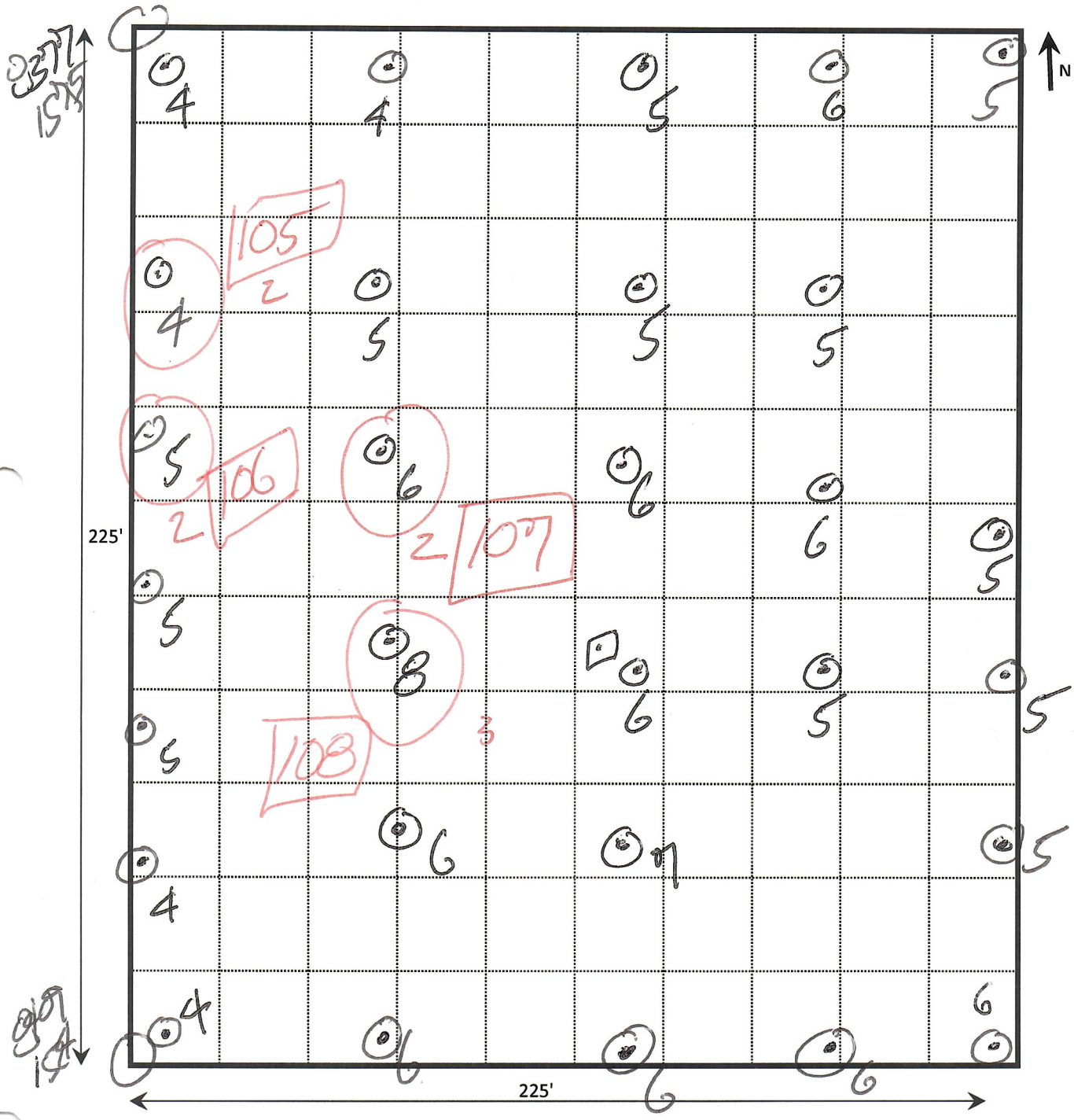
Coordinates are: **11S 34_,___**
3,81_,___

Date 2/20

Time 747

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 177

Instrument _____

Baseline 5

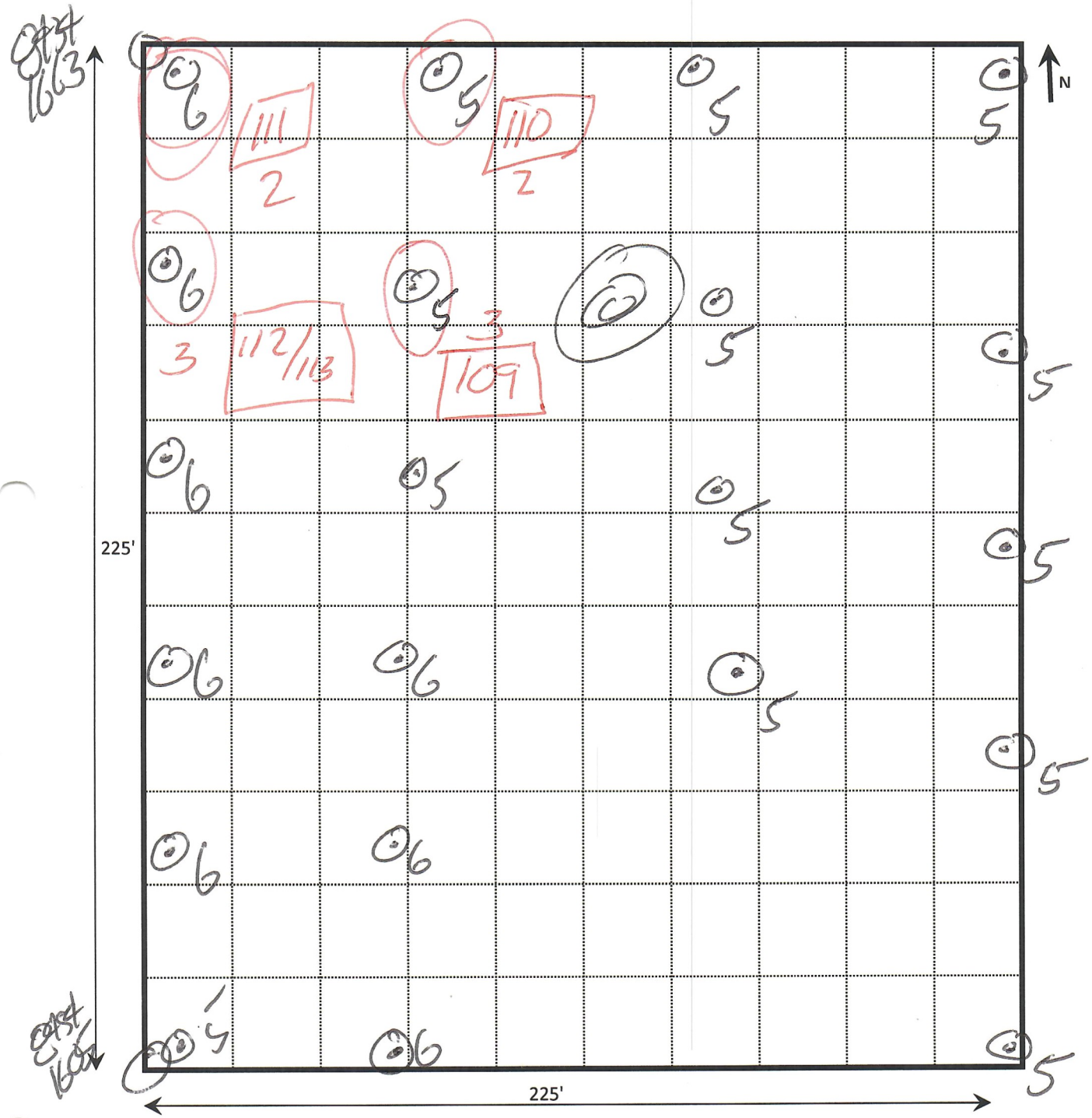
Coordinates are: 11S 34_,___
3,81_,___

Date 7/26

Time 804

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 241

Instrument _____

Baseline S

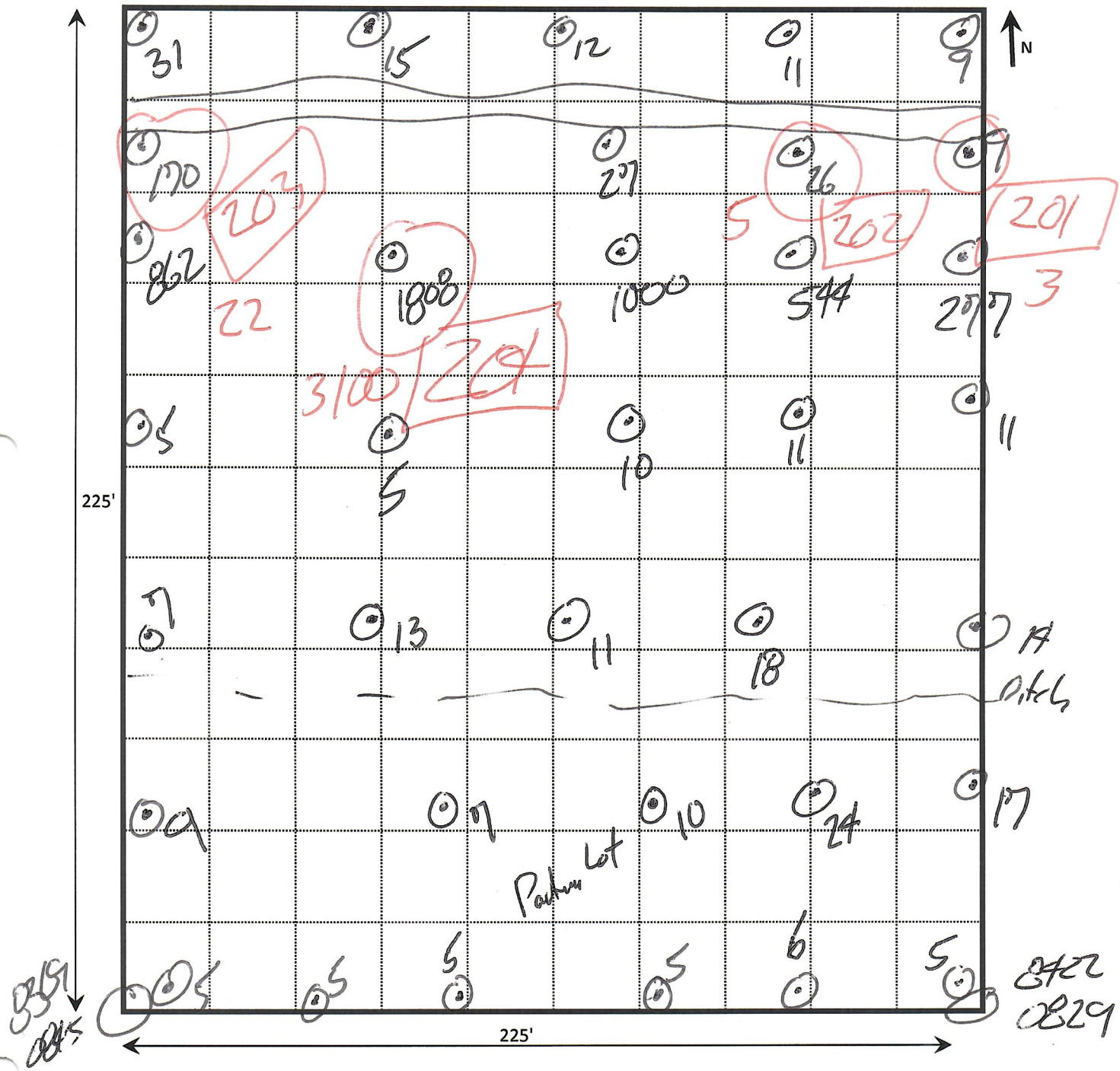
Coordinates are: 11S 34_,___
3,81_,___

Date 7/21

Time 6:56

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 240

Instrument _____

Baseline _____

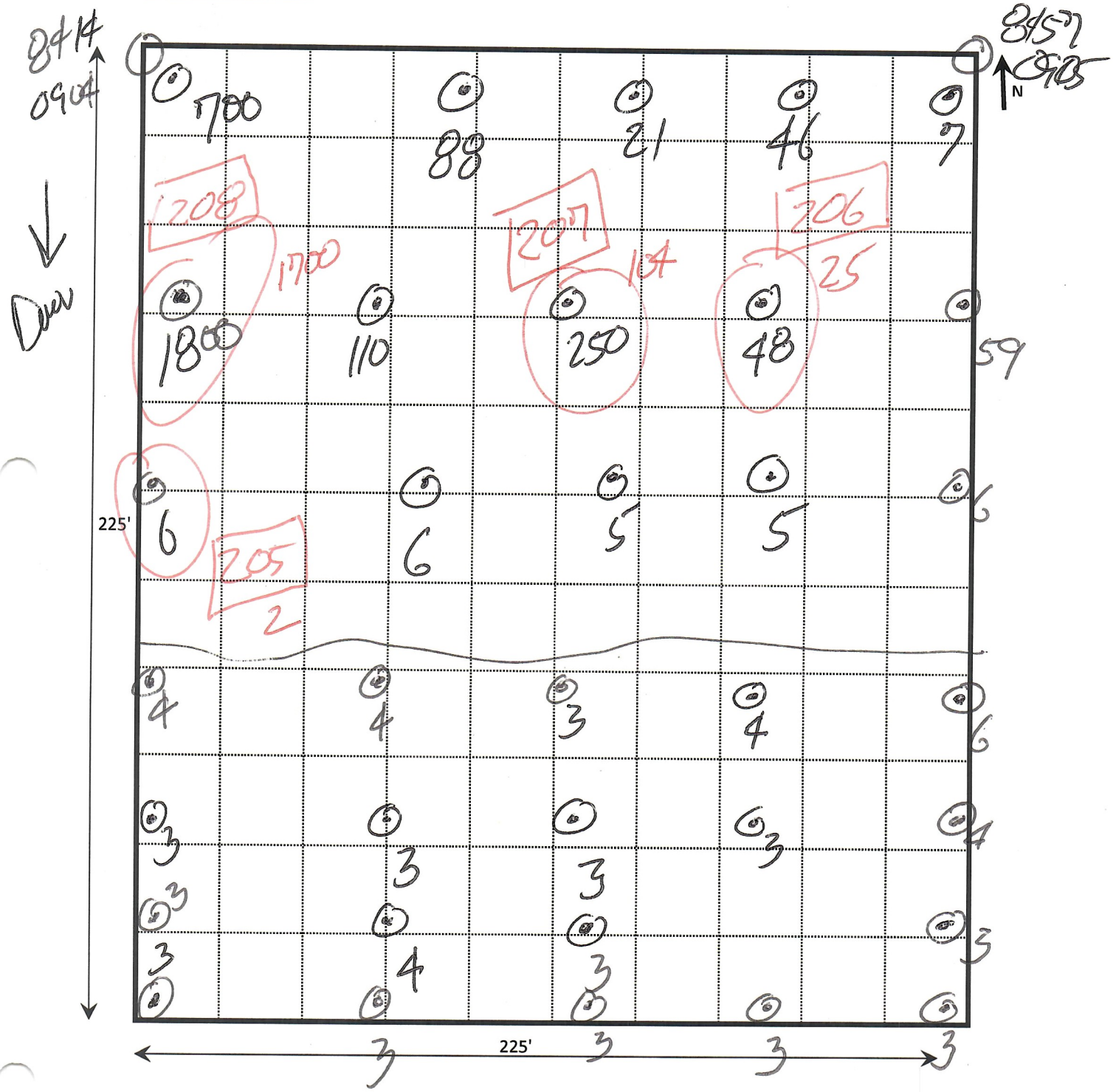
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/21

Time 7:26

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Date 7/21
Time 7:48

Grid ID 52

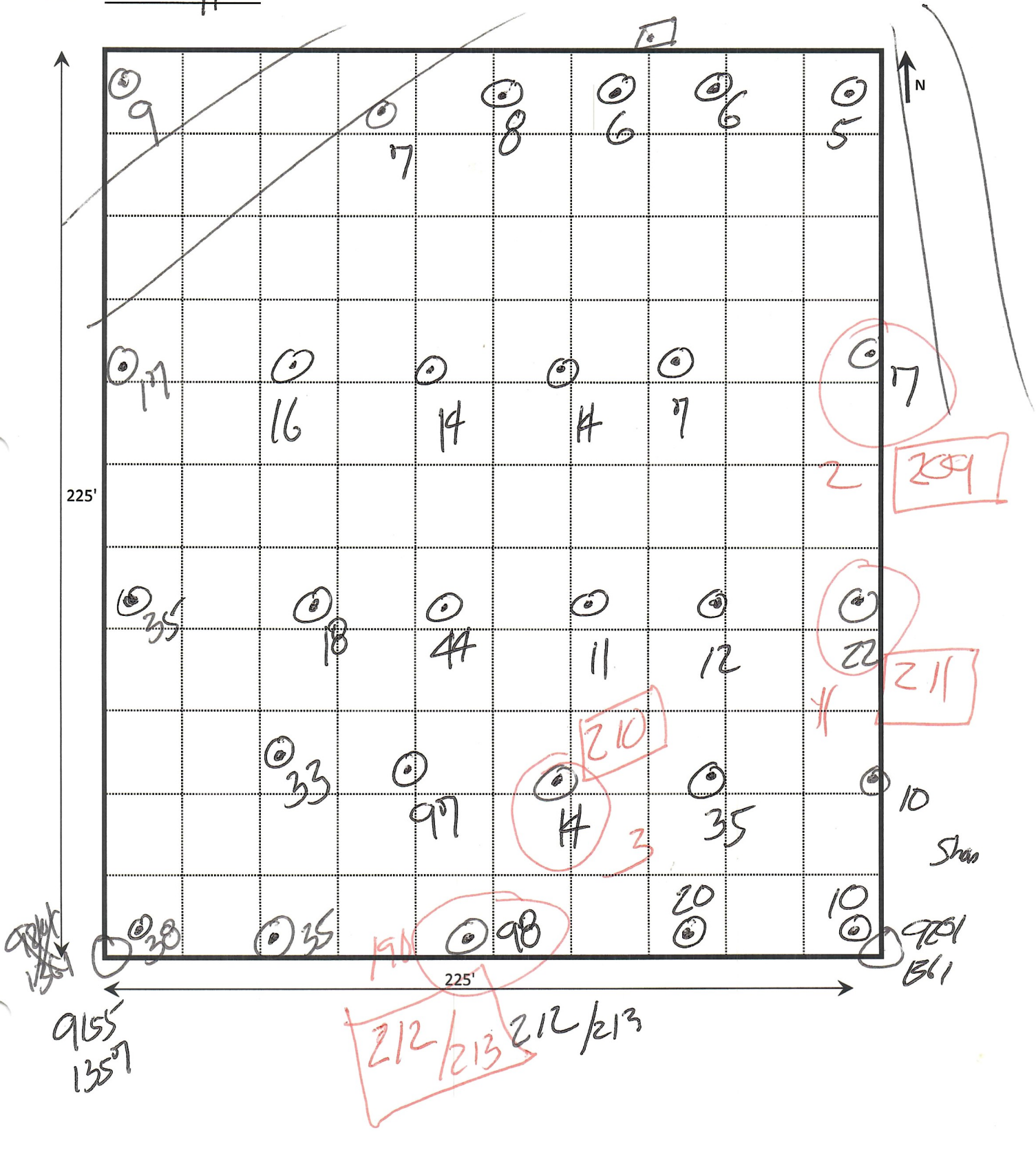
Instrument _____

Baseline H

Coordinates are: 11S 34_,___
3,81_,___

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 69

Instrument _____

Baseline 7

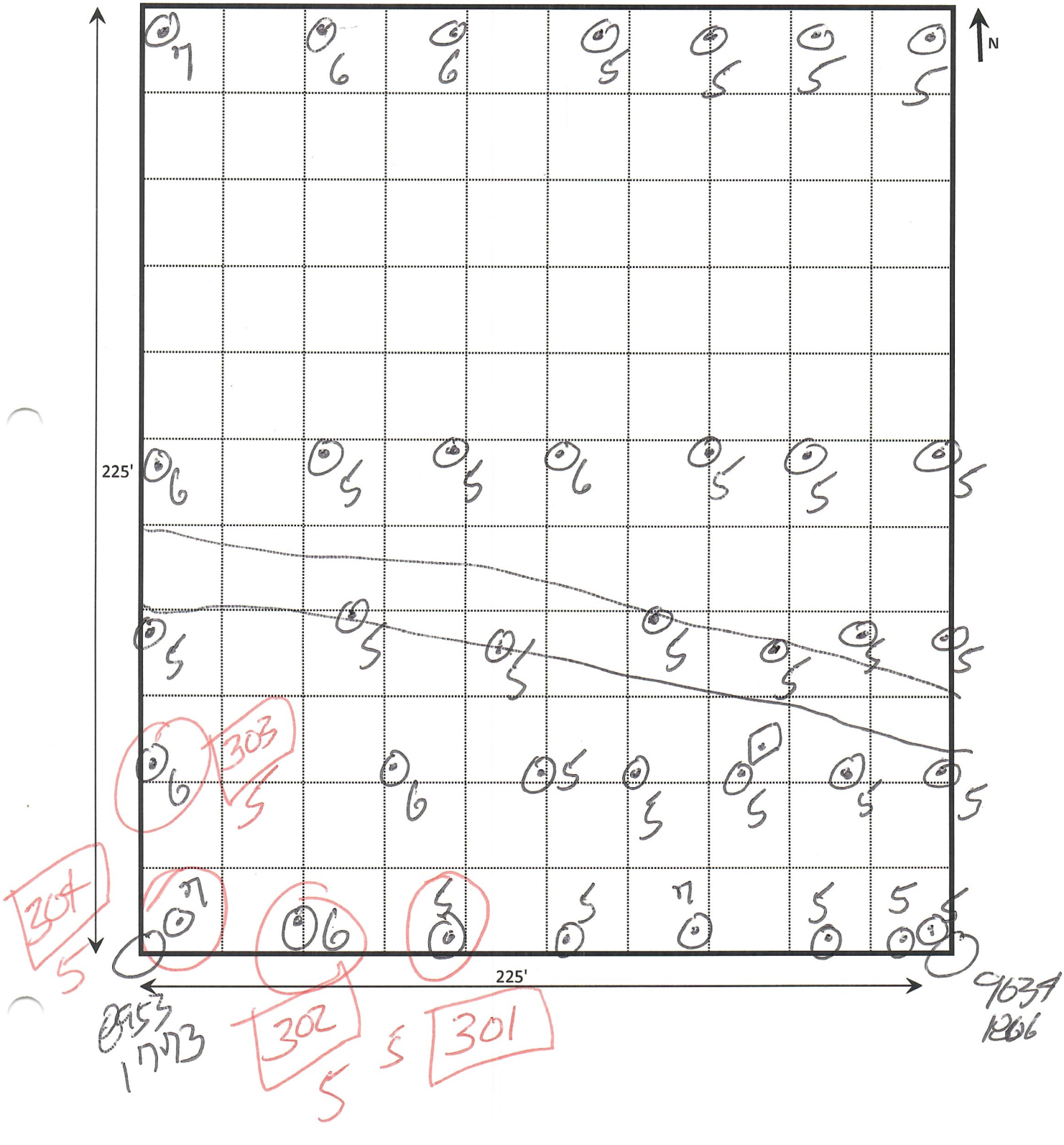
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/22

Time 7:08

Windpeed/Dir _____

Samplers _____

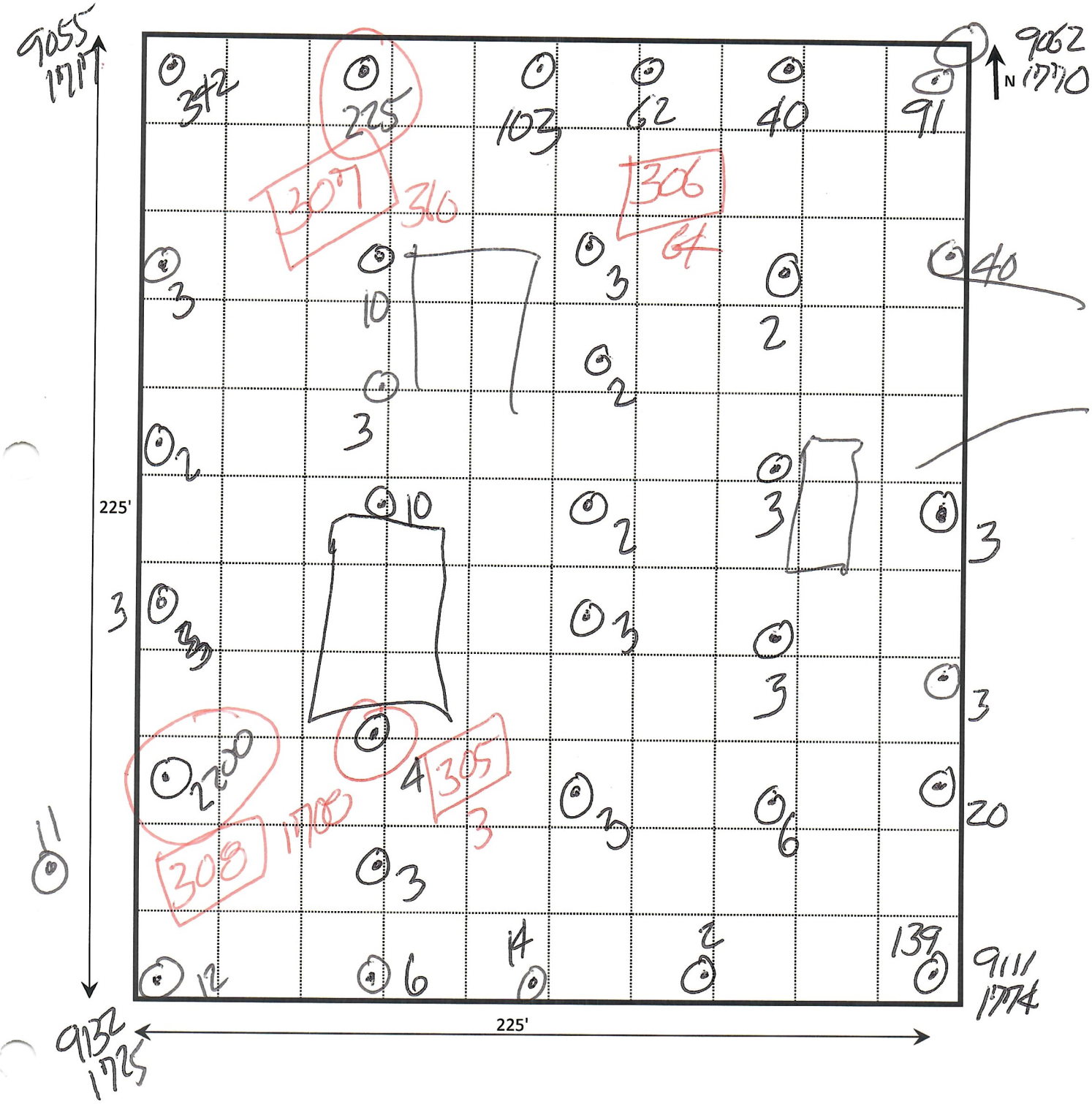


Chiquita Canyon Landfill
Cell Screening Form

Grid ID Laydown Yard
Instrument 2.7
Baseline

Coordinates are: 11S 34_,___
3,81_,___

Date 7/22
Time 8:47
Windpeed/Dir
Samplers


9055
1717
9062
1770
N
225'
225'
9132
1725
9111
1774
342
225
307
316
103
62
306
64
40
91
40
10
3
2
3
3
10
3
3
3

Chiquita Canyon Landfill
Cell Screening Form

Grid ID Qual

Instrument _____

Baseline 1

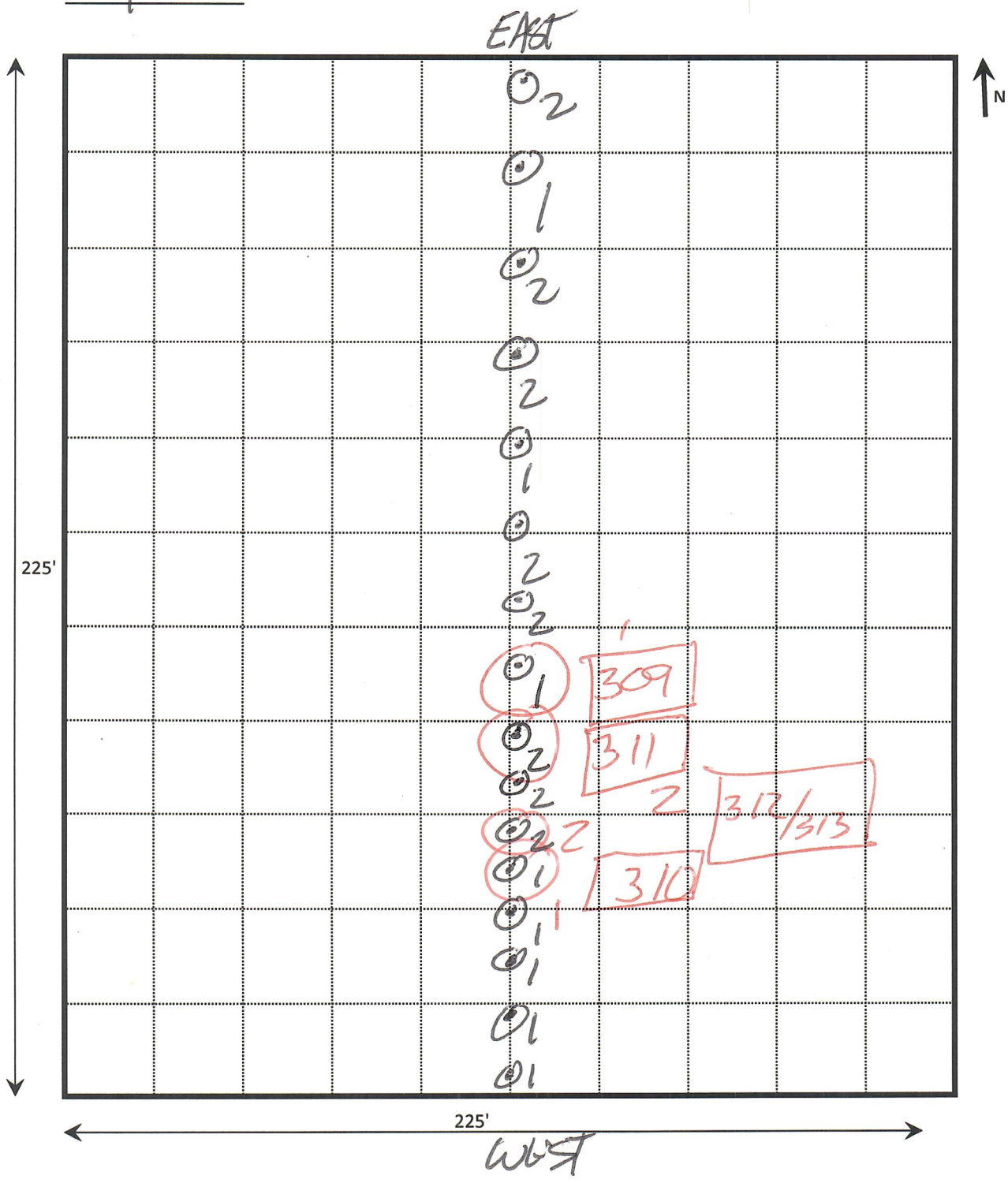
Coordinates are: 11S 34_,___
3,81_,___

Date 7/22

Time 10:19

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 36

Instrument _____

Baseline 3

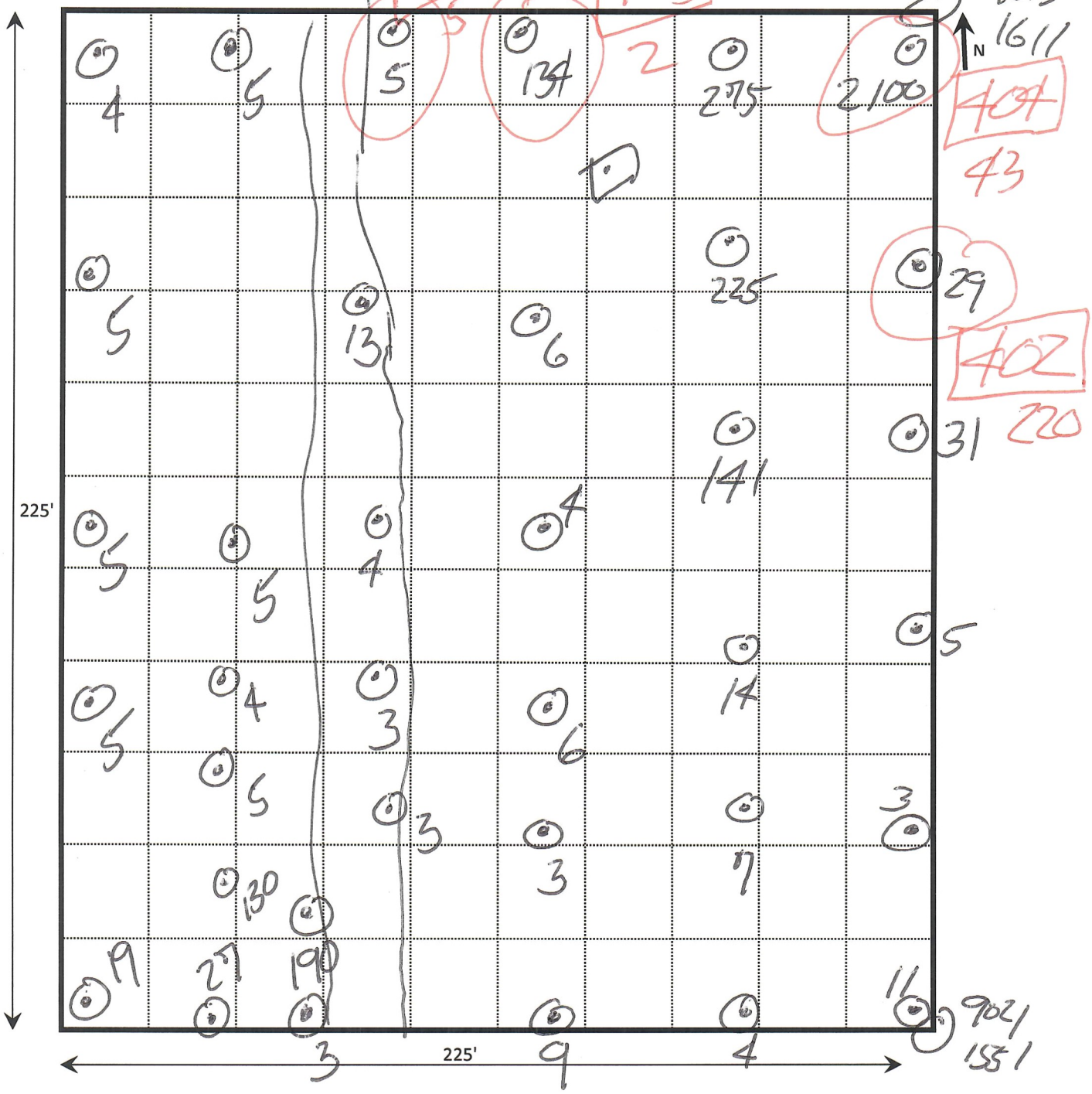
Coordinates are: 11S 34_,___
3,81_,___

Date 7/23

Time 7:08

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 40

Instrument _____

Baseline _____

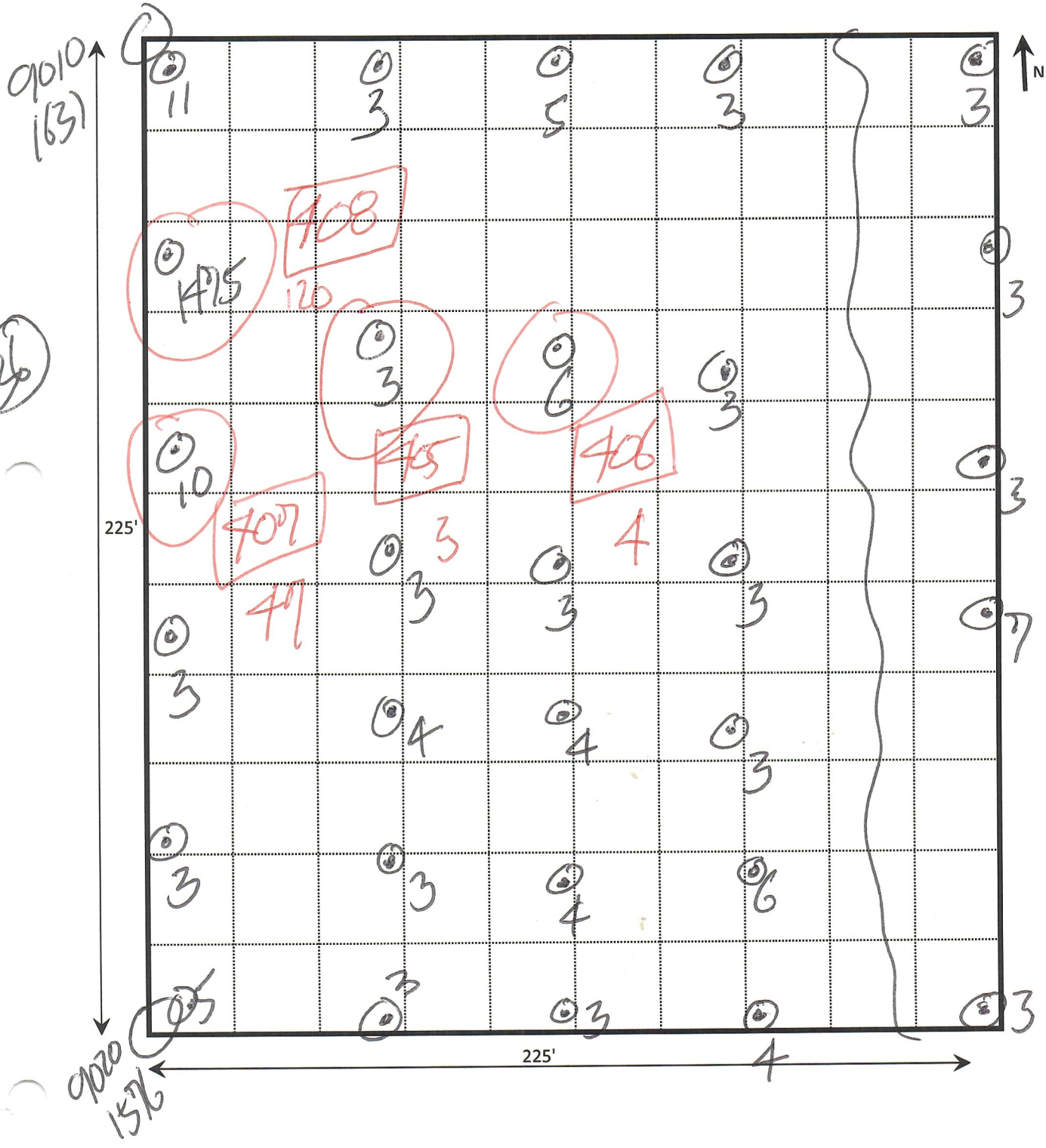
Coordinates are: 11S 34_,___
3,81_,___

Date 7/23

Time 7:30

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 62

Instrument _____

Baseline _____

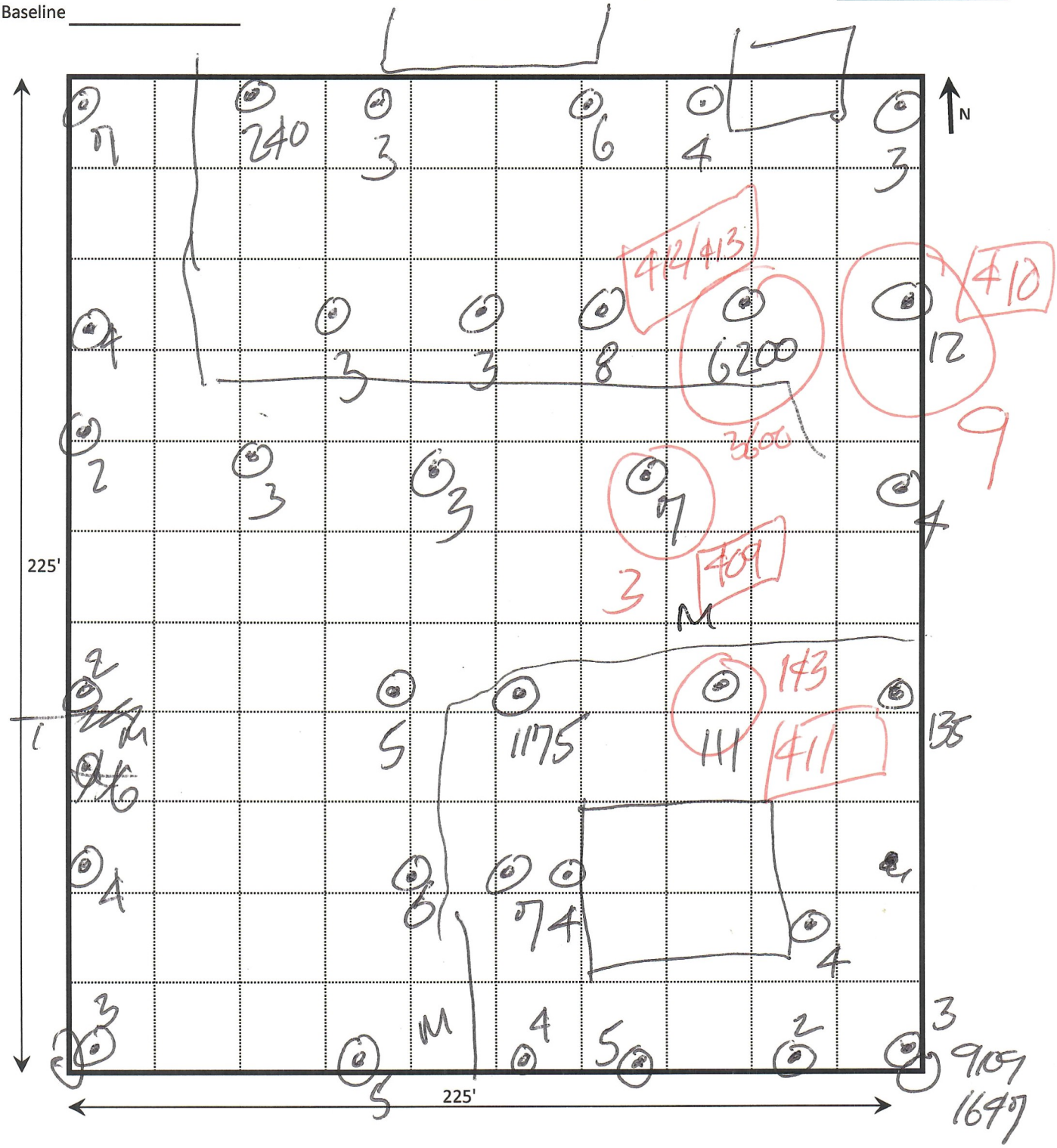
Coordinates are: 11S 34_,___
3,81_,___

Date 7/23

Time 745

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 220

Instrument _____

Baseline 9

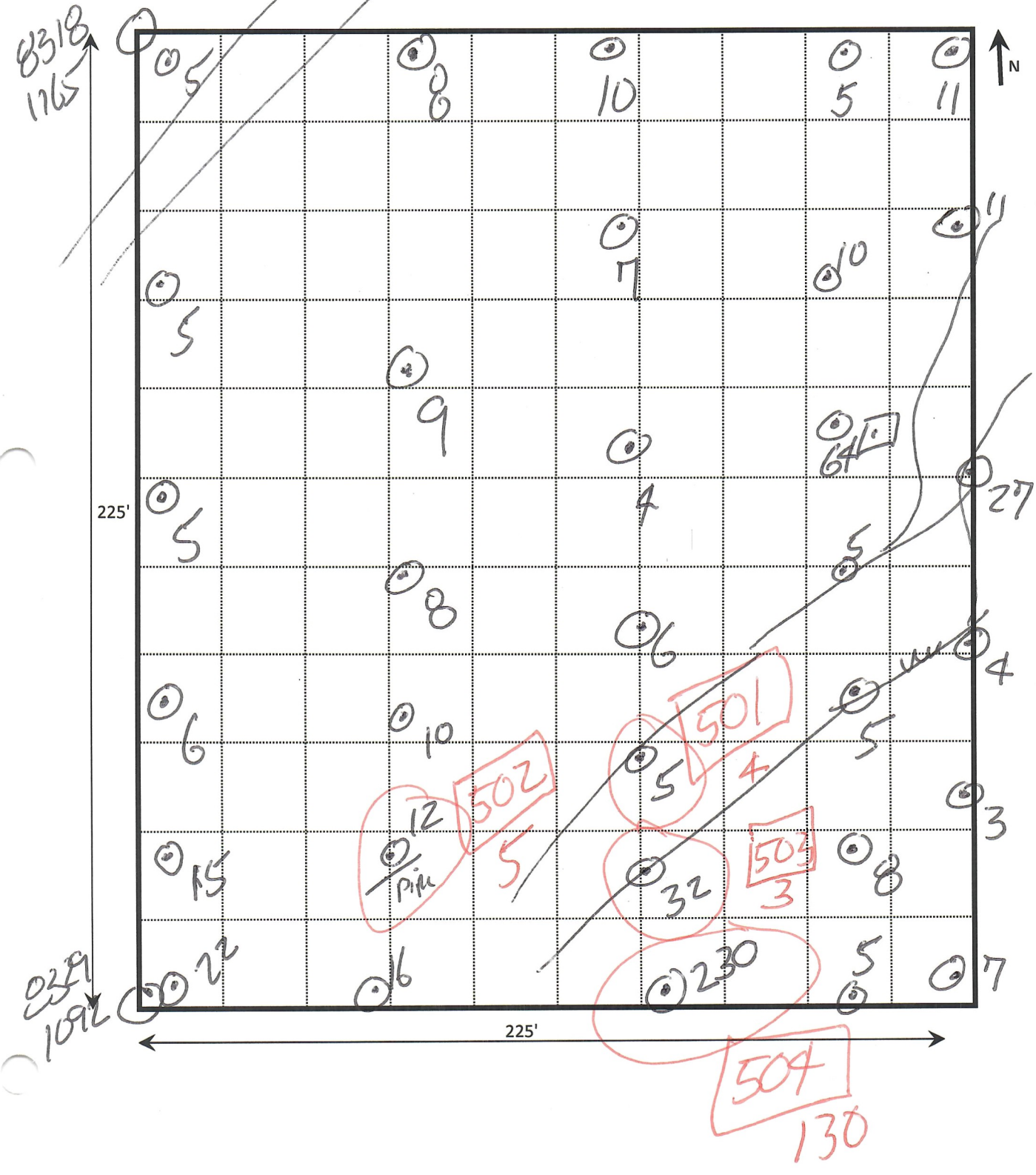
Coordinates are: 11S 34_____
3,81_____

Date 7/24

Time 6:56

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 96

Instrument _____

Baseline 4

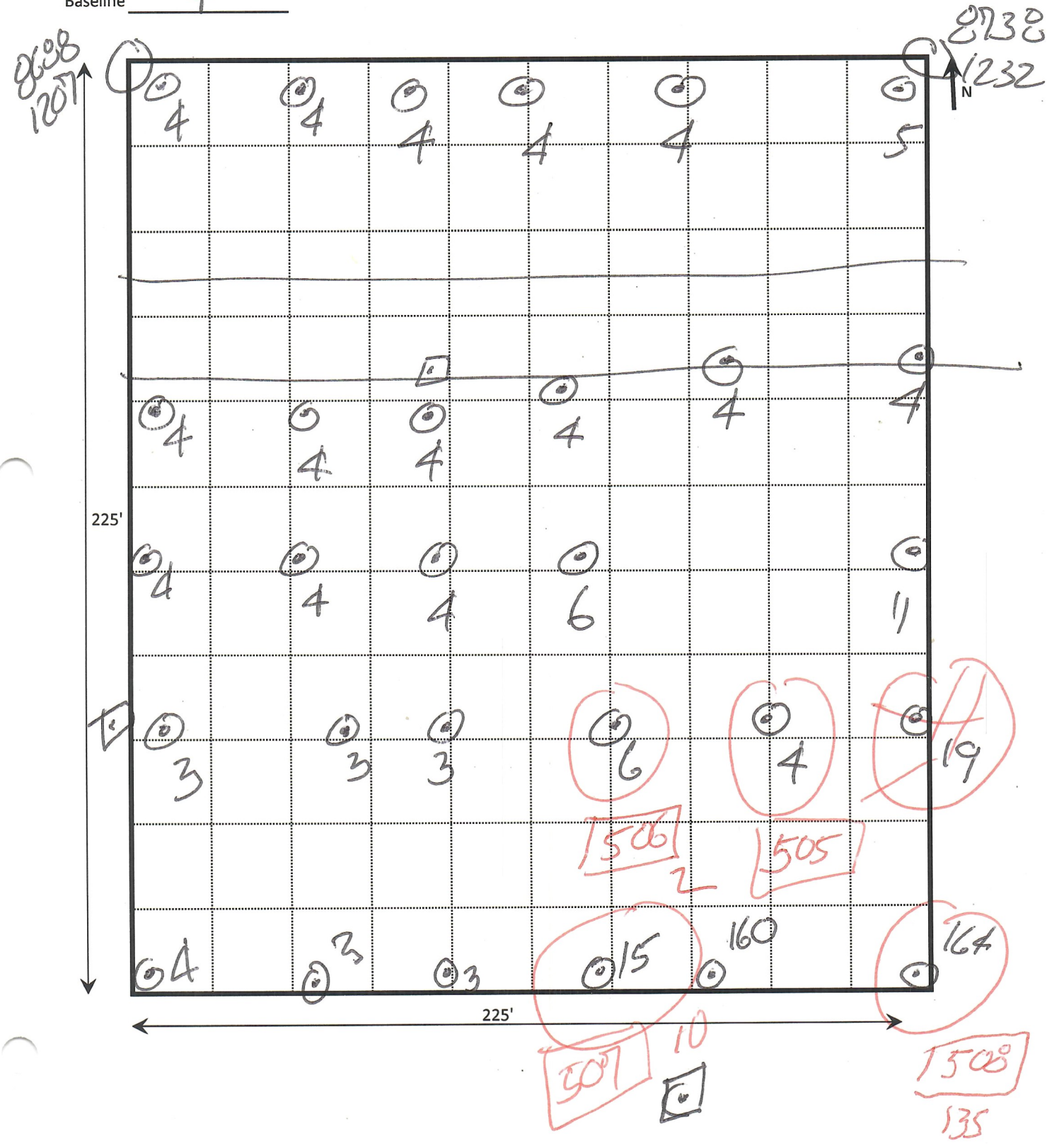
Coordinates are: 11S 34_,_ _ _
3,81_,_ _ _

Date 7/24

Time 7:29

Windpeed/Dir _____

Samplers _____



Chiquita Canyon Landfill
Cell Screening Form

Grid ID 6

Instrument _____

Baseline 2

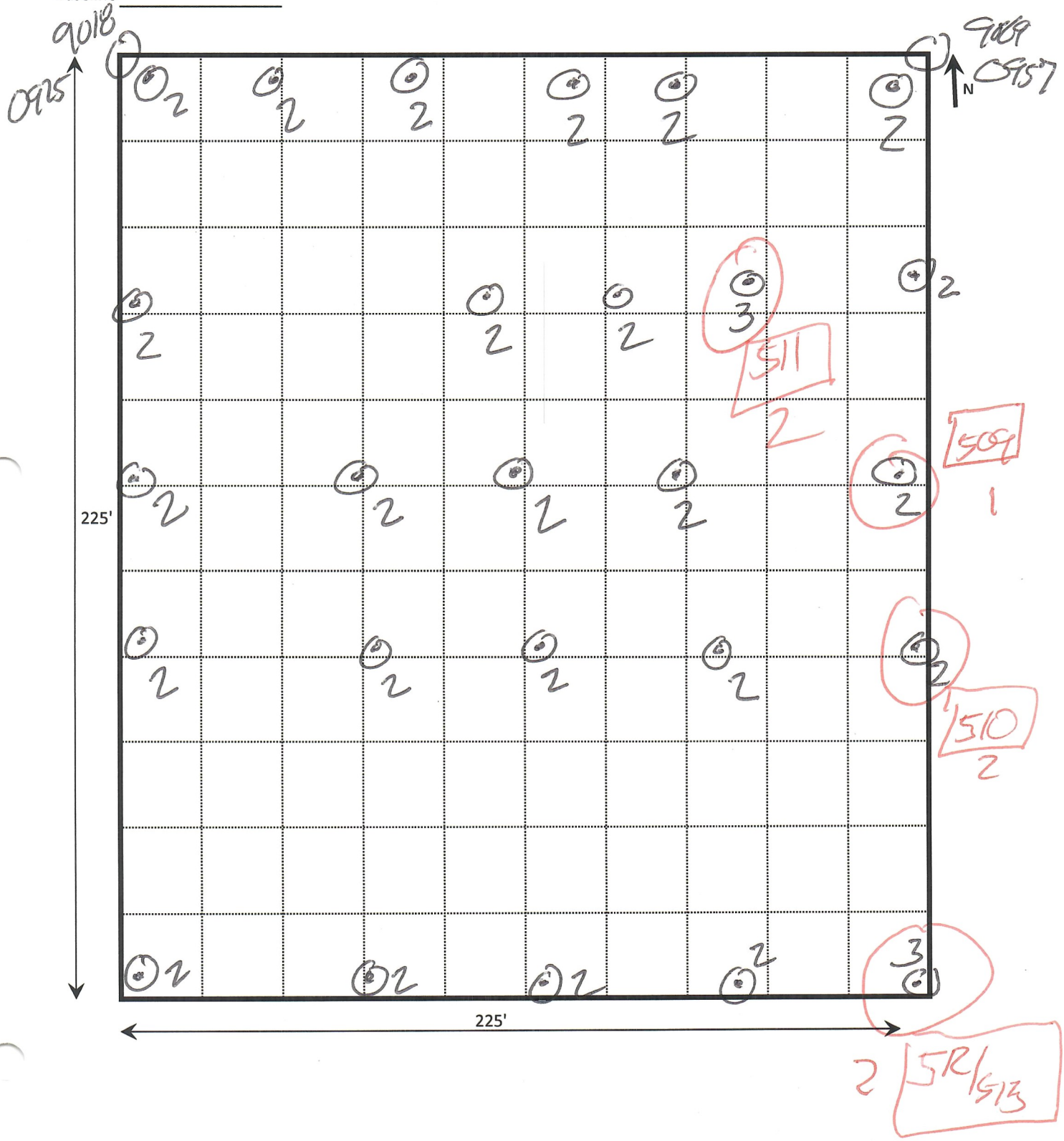
Coordinates are: **11S 34_,_ _ _**
3,81_,_ _ _

Date 7/24

Time 7:58

Windpeed/Dir _____

Samplers _____



Appendix 3

Emissions Calculations for Each Compound

Carbon Dioxide

124-38-9

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<5.10E+00	<4.32E+00	<4.35E+00	<4.95E+00	<4.94E+00	314,524	29,220	<1.44E+05	<1.67E+05	<8.37E+01
Anomalous	High	240		113.5169	90.1146	276.3438	787.8845	130.9706	160,494	14,910	1,952,821	2,262,793	1,131
Anomalous	Med	241		50.8364	<4.45E+00	95.8314	1,943.4332	<4.93E+01	199,305	18,516	<9.13E+05	<1.06E+06	<5.29E+02
Anomalous	Low	52		80.5549	141.8187	115.0266	462.0498	110.2127	429,789	39,929	4,400,650	5,099,166	2,550
Membrane	High	173	M	<4.70E+00	<4.55E+00	<4.22E+00	<5.01E+00	<5.69E+00	617,983	57,413	<3.27E+05	<3.78E+05	<1.89E+02
Membrane	Med	69	M	<4.41E+00	<6.48E+00	<6.20E+00	78.2015	<1.09E+01	1,136,035	105,541	<1.15E+06	<1.34E+06	<6.68E+02
Membrane	Low	177	M	<5.93E+00	38.4701	<7.19E+00	<4.09E+00	<1.59E+01	1,842,278	171,153	<2.72E+06	<3.15E+06	<1.58E+03
Interface	High	36	P	<4.39E+00	272.3603	<4.82E+00	351.5767	<3.51E+01	175,968	16,348	<5.74E+05	<6.65E+05	<3.32E+02
Interface	Med	62	P	<5.59E+00	79.4931	151.7507	3,051.0353	<2.79E+01	374,465	34,789	<9.70E+05	<1.12E+06	<5.62E+02
Interface	Low	40	P	<4.99E+00	53.2200	<4.49E+00	146.8498	<1.36E+01	667,524	62,015	<8.42E+05	<9.75E+05	<4.88E+02
Non-Reaction Area	High	96		<6.86E+00	<6.60E+00	76.3803	106.4916	<1.68E+01	1,146,284	106,493	<1.79E+06	<2.07E+06	<1.03E+03
Non-Reaction Area	Med	220		<7.04E+00	<6.44E+00	97.6576	103.8363	<1.86E+01	1,894,101	175,968	<3.27E+06	<3.79E+06	<1.89E+03
Non-Reaction Area	Low	6		<4.46E+00	<4.72E+00	<4.05E+00	<7.23E+00	<4.67E+00	3,035,802	282,035	<1.32E+06	<1.53E+06	<7.63E+02
Non SEM Area								<1.83E+01	910,742	84,611	<1.55E+06	<1.79E+06	<8.96E+02
							Total		**12,905,294**	**1,198,941**	**<2.19E+07**	**<2.54E+07**	**<1.27E+04**

LD Yard			58.5953	246.6891	294.5008	2,144.5122	111.6649	
Road			43.3453	<6.38E+00	<7.80E+00	<5.69E+00	<1.58E+01	

Site Emissions by Area	**(TPY)**
Exceedance Area	<8.37E+01
Anomalous Area	<4.21E+03
Membrane	<2.43E+03
Interface	<1.38E+03
Non-Reaction Area	<3.69E+03

Flux Values (mg/m2-min)	
Site Average	<1.83E+01
Anomalous Area	<9.91E+01
Membrane Area	<1.26E+01
Interface Area	<2.11E+01
Non-Reaction Area	<1.13E+01
LD Yard	112
Road	<1.58E+01

Methane

74-82-8

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<9.28E-03	<7.85E-03	<7.97E-03	<9.06E-03	<8.99E-03	314,524	29,220	<2.63E+02	<3.04E+02	<1.52E-01
Anomalous	High	240		0.4951	0.1746	14.6743	292.4222	2.2370	160,494	14,910	33,354	38,649	19.324
Anomalous	Med	241		0.4738	0.0385	2.5334	870.3514	0.7350	199,305	18,516	13,610	15,770	7.885
Anomalous	Low	52		0.1782	0.3450	0.2049	77.3843	0.2390	429,789	39,929	9,545	11,060	5.530
Membrane	High	173	M	<8.55E-03	0.0220	0.0458	0.0454	<4.08E-02	617,983	57,413	<2.34E+03	<2.72E+03	<1.36E+00
Membrane	Med	69	M	<8.01E-03	<1.18E-02	<1.13E-02	0.0364	<1.11E-02	1,136,035	105,541	<1.17E+03	<1.35E+03	<6.77E-01
Membrane	Low	177	M	<1.07E-02	0.0178	<1.31E-02	0.0157	<1.43E-02	1,842,278	171,153	<2.45E+03	<2.84E+03	<1.42E+00
Interface	High	36	P	<7.98E-03	60.2609	<8.77E-03	61.3112	<6.90E+00	175,968	16,348	<1.13E+05	<1.31E+05	<6.53E+01
Interface	Med	62	P	<1.02E-02	2.0585	11.8213	783.4299	<1.59E+00	374,465	34,789	<5.54E+04	<6.42E+04	<3.21E+01
Interface	Low	40	P	<9.07E-03	0.0503	<8.12E-03	35.4502	<1.75E-02	667,524	62,015	<1.09E+03	<1.26E+03	<6.29E-01
Non-Reaction Area	High	96		0.0298	<1.20E-02	1.3214	24.0972	<2.13E-01	1,146,284	106,493	<2.27E+04	<2.63E+04	<1.32E+01
Non-Reaction Area	Med	220		0.0316	<1.17E-02	<9.36E-03	25.7519	<2.44E-02	1,894,101	175,968	<4.30E+03	<4.98E+03	<2.49E+00
Non-Reaction Area	Low	6		<8.11E-03	<8.65E-03	<7.42E-03	<1.31E-02	<8.53E-03	3,035,802	282,035	<2.41E+03	<2.79E+03	<1.39E+00
Non SEM Area								<2.35E-01	910,742	84,611	<1.98E+04	<2.30E+04	<1.15E+01
							Total		**12,905,294**	**1,198,941**	**<2.81E+05**	**<3.26E+05**	**<1.63E+02**

LD Yard			0.0763	20.4926	45.2112	582.2488	8.2891
Road			0.0242	<1.16E-02	<1.42E-02	<1.03E-02	<1.51E-02

Site Emissions by Area	(TPY)
Exceedance Area	<1.52E-01
Anomalous Area	32.739
Membrane	<3.45E+00
Interface	<9.80E+01
Non-Reaction Area	<1.70E+01

Flux Values (mg/m2-min)	
Site Average	<2.35E-01
Anomalous Area	0.770
Membrane Area	<1.78E-02
Interface Area	<1.50E+00
Non-Reaction Area	<5.21E-02
LD Yard	8.2891
Road	<1.51E-02

Total Non-Methane Hydrocarbons-C1

TNMHC - C1

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	0.0025	0.0011	0.0078	0.0090	0.0027	314,524	29,220	78	90	0.045
Anomalous	High	240		0.0108	0.0145	0.0168	0.5478	0.0120	160,494	14,910	180	208	0.104
Anomalous	Med	241		0.0098	0.0023	0.0028	0.6951	0.0074	199,305	18,516	137	159	0.080
Anomalous	Low	52		0.0168	0.0094	0.0053	0.2049	0.0107	429,789	39,929	429	497	0.248
Membrane	High	173	M	0.0081	0.0051	0.0057	0.0041	0.0069	617,983	57,413	397	460	0.230
Membrane	Med	69	M	0.0044	0.0024	0.0026	0.0644	0.0090	1,136,035	105,541	954	1,105	0.552
Membrane	Low	177	M	0.0166	0.0053	0.0030	0.0101	0.0093	1,842,278	171,153	1,584	1,835	0.917
Interface	High	36	P	0.0015	0.0066	0.0054	0.0180	0.0027	175,968	16,348	45	52	0.026
Interface	Med	62	P	0.0070	0.0029	0.0188	0.3350	0.0082	374,465	34,789	286	331	0.166
Interface	Low	40	P	0.0058	0.0026	0.0026	0.0080	0.0050	667,524	62,015	309	358	0.179
Non-Reaction Area	High	96		0.0062	<7.82E-04	<6.98E-04	<6.30E-04	<4.82E-03	1,146,284	106,493	<5.13E+02	<5.94E+02	<2.97E-01
Non-Reaction Area	Med	220		0.0074	0.0045	0.0022	0.0163	0.0060	1,894,101	175,968	1,049	1,216	0.608
Non-Reaction Area	Low	6		0.0017	<6.18E-04	<5.06E-04	0.0029	<1.21E-03	3,035,802	282,035	<3.42E+02	<3.96E+02	<1.98E-01
Non SEM Area								<5.65E-03	910,742	84,611	<4.78E+02	<5.54E+02	<2.77E-01
							Total		**12,905,294**	**1,198,941**	**<6.78E+03**	**<7.86E+03**	**<3.93E+00**

LD Yard			0.0226	0.0157	0.0047	0.1380	0.0195
Road			0.0065	0.0079	0.0087	0.0022	0.0063

Site Emissions by Area	**(TPY)**
Exceedance Area	0.045
Anomalous Area	0.432
Membrane	1.700
Interface	0.370
Non-Reaction Area	<1.10E+00

Flux Values (mg/m2-min)	
Site Average	<5.65E-03
Anomalous Area	0.010
Membrane Area	0.009
Interface Area	0.006
Non-Reaction Area	<3.37E-03
LD Yard	0.0195
Road	0.0063

Acetone

67-64-1

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	0.0012	0.0022	0.0018	0.0083	0.0014	314,524	29,220	40	46	0.023
Anomalous	High	240		0.0251	0.0085	0.0121	0.0101	0.0214	160,494	14,910	319	370	0.185
Anomalous	Med	241		0.0015	0.0021	0.0025	0.0182	0.0018	199,305	18,516	32	38	0.019
Anomalous	Low	52		0.0014	0.0042	0.0019	0.0081	0.0024	429,789	39,929	95	110	0.055
Membrane	High	173	M	0.0015	0.0014	0.0009	0.0013	0.0016	617,983	57,413	89	103	0.052
Membrane	Med	69	M	0.0012	0.0007	0.0011	0.0018	0.0012	1,136,035	105,541	128	149	0.074
Membrane	Low	177	M	0.0011	0.0006	0.0032	0.0006	0.0012	1,842,278	171,153	213	247	0.123
Interface	High	36	P	0.0024	0.0008	0.0006	0.0015	0.0019	175,968	16,348	31	36	0.018
Interface	Med	62	P	0.0018	0.0035	0.0168	0.1566	0.0037	374,465	34,789	128	149	0.074
Interface	Low	40	P	0.0009	0.0039	0.0014	0.0036	0.0015	667,524	62,015	93	108	0.054
Non-Reaction Area	High	96		0.0024	0.0078	0.0047	0.0035	0.0033	1,146,284	106,493	355	411	0.205
Non-Reaction Area	Med	220		0.0009	0.0011	0.0015	0.0049	0.0010	1,894,101	175,968	178	206	0.103
Non-Reaction Area	Low	6		0.0012	0.0032	0.0011	0.0012	0.0021	3,035,802	282,035	594	689	0.344
Non SEM Area								0.0021	910,742	84,611	174	202	0.10
							Total		**12,905,294**	**1,198,941**	**2,471**	**2,863**	**1.43**

												Site Emissions by Area	**(TPY)**
LD Yard				0.0019	0.0075	0.0012	0.0055	0.0025				Exceedance Area	0.023
Road				0.0008	0.0170	0.0018	0.0033	0.0057				Anomalous Area	0.259
												Membrane	0.249
												Interface	0.146
												Non-Reaction Area	0.653
												Flux Values (mg/m2-min)	
												Site Average	0.0021
												Anomalous Area	0.006
												Membrane Area	0.001
												Interface Area	0.002
												Non-Reaction Area	0.002
												LD Yard	0.0025
												Road	0.0057

Ethanol

64-17-5

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<7.53E-05	0.0058	0.0031	0.0050	<1.08E-03	314,524	29,220	<3.14E+01	<3.64E+01	<1.82E-02
Anomalous	High	240		0.0099	0.0105	0.0115	0.0012	0.0102	160,494	14,910	152	176	0.088
Anomalous	Med	241		0.0038	0.0032	0.0022	0.0017	0.0034	199,305	18,516	64	74	0.037
Anomalous	Low	52		<1.15E-04	0.0025	0.0003	0.0019	<8.98E-04	429,789	39,929	<3.59E+01	<4.16E+01	<2.08E-02
Membrane	High	173	M	0.0016	0.0169	0.0021	0.0017	0.0086	617,983	57,413	493	571	0.286
Membrane	Med	69	M	0.0022	0.0022	0.0024	0.0005	0.0021	1,136,035	105,541	222	258	0.129
Membrane	Low	177	M	0.0042	0.0037	0.0023	0.0030	0.0034	1,842,278	171,153	589	683	0.342
Interface	High	36	P	0.0050	0.0016	0.0012	0.0025	0.0039	175,968	16,348	64	74	0.037
Interface	Med	62	P	0.0014	0.0167	0.0171	0.0072	0.0042	374,465	34,789	146	170	0.085
Interface	Low	40	P	0.0013	0.0034	0.0007	0.0007	0.0016	667,524	62,015	102	119	0.059
Non-Reaction Area	High	96		0.0011	0.0006	0.0013	0.0003	0.0011	1,146,284	106,493	113	131	0.065
Non-Reaction Area	Med	220		0.0035	0.0055	0.0017	0.0017	0.0038	1,894,101	175,968	660	765	0.382
Non-Reaction Area	Low	6		<6.78E-05	<7.91E-05	<6.48E-05	0.0081	<3.81E-04	3,035,802	282,035	<1.07E+02	<1.24E+02	<6.22E-02
Non SEM Area								<2.50E-03	910,742	84,611	<2.11E+02	<2.45E+02	<1.22E-01
							Total		**12,905,294**	**1,198,941**	**<2.99E+03**	**<3.47E+03**	**<1.73E+00**

LD Yard			0.0013	0.0012	0.0025	0.0030	0.0014	
Road			<6.84E-05	0.0113	0.0329	0.0065	<1.27E-02	

Site Emissions by Area	**(TPY)**
Exceedance Area	<1.82E-02
Anomalous Area	<1.46E-01
Membrane	0.756
Interface	0.181
Non-Reaction Area	<5.10E-01

Flux Values (mg/m2-min)	
Site Average	<2.50E-03
Anomalous Area	<3.43E-03
Membrane Area	0.0039
Interface Area	0.0028
Non-Reaction Area	<1.56E-03
LD Yard	0.0014
Road	<1.27E-02

Propylene

115-07-1

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	0.00007	0.00011	0.00007	0.00011	0.00008	314,524	29,220	2.2	2.6	0.001
Anomalous	High	240		0.00106	0.00371	0.00051	0.02938	0.00133	160,494	14,910	20	23	0.011
Anomalous	Med	241		0.00010	0.00015	0.00014	0.01894	0.00012	199,305	18,516	2.2	2.5	0.0013
Anomalous	Low	52		<2.10E-05	0.00022	0.00021	0.00198	<1.45E-04	429,789	39,929	<5.78E+00	<6.70E+00	<3.35E-03
Membrane	High	173	M	0.00008	0.00013	0.00008	0.00038	0.00020	617,983	57,413	11	13	0.0065
Membrane	Med	69	M	0.00012	0.00009	0.00014	0.00015	0.00012	1,136,035	105,541	13	15	0.0075
Membrane	Low	177	M	0.00009	0.00006	<1.74E-05	<1.19E-05	<5.19E-05	1,842,278	171,153	<8.88E+00	<1.03E+01	<5.14E-03
Interface	High	36	P	0.00025	0.00031	0.00012	0.00127	0.00023	175,968	16,348	3.8	4.4	0.0022
Interface	Med	62	P	0.00017	0.00018	0.00025	0.05274	0.00018	374,465	34,789	6.2	7.2	0.0036
Interface	Low	40	P	0.00008	0.00015	0.00006	0.00097	0.00009	667,524	62,015	5.4	6.3	0.0031
Non-Reaction Area	High	96		0.00025	0.00025	0.00037	0.00026	0.00027	1,146,284	106,493	28	33	0.016
Non-Reaction Area	Med	220		0.00010	0.00011	0.00013	0.00170	0.00011	1,894,101	175,968	19	22	0.011
Non-Reaction Area	Low	6		0.00006	0.00013	0.00012	0.00015	0.00010	3,035,802	282,035	28	32	0.016
Non SEM Area								<1.38E-04	910,742	84,611	<1.17E+01	<1.35E+01	<6.75E-03
							Total		**12,905,294**	**1,198,941**	**<1.65E+02**	**<1.91E+02**	**<9.57E-02**

LD Yard			0.00013	0.00035	0.00042	0.01288	0.00020
Road			0.00066	0.00024	0.00015	0.00013	0.00030

Site Emissions by Area	**(TPY)**
Exceedance Area	0.0013
Anomalous Area	<1.60E-02
Membrane	<1.92E-02
Interface	0.0090
Non-Reaction Area	0.043

Flux Values (mg/m2-min)	
Site Average	<1.38E-04
Anomalous Area	<3.78E-04
Membrane Area	<9.92E-05
Interface Area	0.00014
Non-Reaction Area	0.00013
LD Yard	0.00020
Road	0.00030

Methanol
67-56-1

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<5.23E-05	<4.42E-05	0.00024	0.00053	<6.43E-05	314,524	29,220	<1.88E+00	<2.18E+00	<1.09E-03
Anomalous	High	240		0.00138	<7.05E-05	0.01607	0.00042	<3.05E-03	160,494	14,910	<4.55E+01	<5.27E+01	<2.64E-02
Anomalous	Med	241		0.00048	0.00081	0.00074	0.01541	0.00058	199,305	18,516	10.8	12.5	0.0062
Anomalous	Low	52		<7.99E-05	0.01184	0.00096	0.00604	<3.86E-03	429,789	39,929	<1.54E+02	<1.79E+02	<8.93E-02
Membrane	High	173	M	0.00015	<4.44E-05	<4.65E-05	0.00026	<1.27E-04	617,983	57,413	<7.29E+00	<8.45E+00	<4.23E-03
Membrane	Med	69	M	0.00013	<6.37E-05	0.00030	0.00018	<1.45E-04	1,136,035	105,541	<1.53E+01	<1.78E+01	<8.88E-03
Membrane	Low	177	M	0.00025	0.00021	<6.62E-05	0.00026	<2.05E-04	1,842,278	171,153	<3.51E+01	<4.07E+01	<2.04E-02
Interface	High	36	P	0.00083	0.00025	0.00013	0.00066	0.00064	175,968	16,348	10.5	12.2	0.0061
Interface	Med	62	P	0.00026	0.00115	0.00097	0.00185	0.00040	374,465	34,789	13.9	16.1	0.0081
Interface	Low	40	P	0.00019	0.00072	0.00011	0.00084	0.00028	667,524	62,015	17.1	19.8	0.0099
Non-Reaction Area	High	96		0.00514	0.00577	0.00809	0.00061	0.00563	1,146,284	106,493	599	695	0.347
Non-Reaction Area	Med	220		0.00023	0.00032	0.00100	0.00124	0.00036	1,894,101	175,968	63	72	0.036
Non-Reaction Area	Low	6		<4.70E-05	0.00023	<4.50E-05	0.00068	<1.57E-04	3,035,802	282,035	<4.42E+01	<5.12E+01	<2.56E-02
Non SEM Area								<9.13E-04	910,742	84,611	<7.73E+01	<8.95E+01	<4.48E-02
							Total		**12,905,294**	**1,198,941**	**<1.09E+03**	**<1.27E+03**	**<6.34E-01**

LD Yard			0.00050	0.00179	0.00056	0.00142	0.00067	
Road			<4.75E-05	<6.82E-05	<8.11E-05	0.00034	<1.33E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	<1.09E-03
Anomalous Area	<1.22E-01
Membrane	<3.35E-02
Interface	0.0240
Non-Reaction Area	<4.09E-01

Flux Values (mg/m2-min)	
Site Average	<9.13E-04
Anomalous Area	<2.87E-03
Membrane Area	<1.73E-04
Interface Area	0.00037
Non-Reaction Area	<1.25E-03
LD Yard	0.00067
Road	<1.33E-04

2-Butanone (MEK)
78-93-3

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	0.00051	0.00099	0.00049	0.00523	0.00057	314,524	29,220	16.8	19.4	0.010
Anomalous	High	240		0.00265	0.00291	0.00137	<4.43E-05	<2.52E-03	160,494	14,910	<3.76E+01	<4.36E+01	<2.18E-02
Anomalous	Med	241		0.00091	0.00080	0.00031	0.01990	0.00080	199,305	18,516	14.9	17.2	0.0086
Anomalous	Low	52		0.00075	<4.03E-05	0.00047	0.00113	<4.46E-04	429,789	39,929	<1.78E+01	<2.06E+01	<1.03E-02
Membrane	High	173	M	0.00074	<2.00E-05	<2.09E-05	<2.78E-05	<1.52E-04	617,983	57,413	<8.74E+00	<1.01E+01	<5.06E-03
Membrane	Med	69	M	0.00048	<2.87E-05	0.00022	0.00060	<4.23E-04	1,136,035	105,541	<4.47E+01	<5.18E+01	<2.59E-02
Membrane	Low	177	M	<2.57E-05	<2.06E-05	0.00133	<2.04E-05	<2.71E-04	1,842,278	171,153	<4.64E+01	<5.38E+01	<2.69E-02
Interface	High	36	P	0.00046	0.00017	0.00022	0.00047	0.00038	175,968	16,348	6.3	7.3	0.0036
Interface	Med	62	P	0.00054	0.00067	0.01342	0.02801	0.00211	374,465	34,789	73.4	85.0	0.0425
Interface	Low	40	P	<2.30E-05	0.00057	0.00080	0.00141	<1.76E-04	667,524	62,015	<1.09E+01	<1.27E+01	<6.33E-03
Non-Reaction Area	High	96		0.00041	0.00174	0.00081	0.00038	0.00061	1,146,284	106,493	65	75	0.038
Non-Reaction Area	Med	220		<3.27E-05	<3.15E-05	0.00025	0.00259	<6.03E-05	1,894,101	175,968	<1.06E+01	<1.23E+01	<6.15E-03
Non-Reaction Area	Low	6		0.00041	0.00217	<2.03E-05	0.00047	<1.21E-03	3,035,802	282,035	<3.41E+02	<3.95E+02	<1.98E-01
Non SEM Area								<6.23E-04	910,742	84,611	<5.27E+01	<6.11E+01	<3.05E-02
							Total		**12,905,294**	**1,198,941**	**<7.47E+02**	**<8.65E+02**	**<4.33E-01**

LD Yard			0.00087	0.00206	0.00024	<2.45E-05	<9.42E-04
Road			0.00071	0.01482	0.00091	0.00190	0.00459

Site Emissions by Area	**(TPY)**
Exceedance Area	0.0097
Anomalous Area	<4.07E-02
Membrane	<5.78E-02
Interface	<5.25E-02
Non-Reaction Area	<2.41E-01

Flux Values (mg/m2-min)	
Site Average	<6.23E-04
Anomalous Area	<9.58E-04
Membrane Area	<2.99E-04
Interface Area	<8.01E-04
Non-Reaction Area	<7.38E-04
LD Yard	<9.42E-04
Road	0.00459

m,p-Xylenes
1330-20-7

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<3.47E-05	<2.94E-05	<3.16E-05	<3.12E-05	<3.37E-05	314,524	29,220	<9.86E-01	<1.14E+00	<5.71E-04
Anomalous	High	240		0.00067	0.00575	0.00088	0.04146	0.00133	160,494	14,910	20	23	0.012
Anomalous	Med	241		<3.13E-05	<3.38E-05	<3.64E-05	0.03791	<3.38E-05	199,305	18,516	<6.26E-01	<7.25E-01	<3.62E-04
Anomalous	Low	52		<5.31E-05	<5.93E-05	<6.27E-05	0.02021	<5.88E-05	429,789	39,929	<2.35E+00	<2.72E+00	<1.36E-03
Membrane	High	173	M	0.00014	0.00039	0.00095	0.00012	0.00061	617,983	57,413	35	41	0.0203
Membrane	Med	69	M	<3.08E-05	<4.23E-05	<4.61E-05	<4.99E-05	<3.50E-05	1,136,035	105,541	<3.69E+00	<4.28E+00	<2.14E-03
Membrane	Low	177	M	0.00129	0.00017	<4.39E-05	0.00073	<5.99E-04	1,842,278	171,153	<1.03E+02	<1.19E+02	<5.94E-02
Interface	High	36	P	<3.03E-05	<3.06E-05	<3.37E-05	0.00042	<3.09E-05	175,968	16,348	<5.06E-01	<5.86E-01	<2.93E-04
Interface	Med	62	P	<3.83E-05	<3.64E-05	<4.33E-05	0.01835	<3.94E-05	374,465	34,789	<1.37E+00	<1.59E+00	<7.93E-04
Interface	Low	40	P	<3.39E-05	0.00015	<2.99E-05	0.00013	<5.40E-05	667,524	62,015	<3.35E+00	<3.88E+00	<1.94E-03
Non-Reaction Area	High	96		<4.45E-05	<4.61E-05	<4.12E-05	<3.72E-05	<4.42E-05	1,146,284	106,493	<4.70E+00	<5.45E+00	<2.73E-03
Non-Reaction Area	Med	220		<4.82E-05	<4.64E-05	<3.50E-05	0.00029	<4.61E-05	1,894,101	175,968	<8.11E+00	<9.39E+00	<4.70E-03
Non-Reaction Area	Low	6		<3.12E-05	<3.65E-05	<2.98E-05	<4.85E-05	<3.43E-05	3,035,802	282,035	<9.66E+00	<1.12E+01	<5.60E-03
Non SEM Area								<1.73E-04	910,742	84,611	<1.46E+01	<1.70E+01	<8.49E-03
							Total		**12,905,294**	**1,198,941**	**<2.08E+02**	**<2.41E+02**	**<1.20E-01**

LD Yard			<3.81E-05	0.00019	<4.34E-05	0.00492	<5.83E-05	
Road			0.00016	<4.53E-05	<5.38E-05	<3.89E-05	<7.35E-05	

Site Emissions by Area	**(TPY)**
Exceedance Area	<5.71E-04
Anomalous Area	<1.32E-02
Membrane	<8.19E-02
Interface	<3.03E-03
Non-Reaction Area	<1.30E-02

Flux Values (mg/m2-min)	
Site Average	<1.73E-04
Anomalous Area	<3.12E-04
Membrane Area	<4.23E-04
Interface Area	<4.62E-05
Non-Reaction Area	<3.98E-05
LD Yard	<5.83E-05
Road	<7.35E-05

Toluene
108-88-3

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	0.00014	<5.09E-05	<5.48E-05	0.00016	<1.23E-04	314,524	29,220	<3.59E+00	<4.16E+00	<2.08E-03
Anomalous	High	240		0.00062	0.00642	0.00037	0.02634	0.00131	160,494	14,910	20	23	0.011
Anomalous	Med	241		<5.44E-05	0.00015	0.00016	0.03502	<9.02E-05	199,305	18,516	<1.67E+00	<1.94E+00	<9.68E-04
Anomalous	Low	52		<9.20E-05	<1.03E-04	<1.09E-04	0.01298	<1.01E-04	429,789	39,929	<4.04E+00	<4.68E+00	<2.34E-03
Membrane	High	173	M	0.00012	0.00039	0.00148	0.00026	0.00086	617,983	57,413	49	57	0.0286
Membrane	Med	69	M	<5.35E-05	<7.34E-05	<7.99E-05	<8.65E-05	<6.07E-05	1,136,035	105,541	<6.41E+00	<7.43E+00	<3.71E-03
Membrane	Low	177	M	0.00064	<5.25E-05	<7.62E-05	0.00045	<3.14E-04	1,842,278	171,153	<5.37E+01	<6.22E+01	<3.11E-02
Interface	High	36	P	<5.25E-05	<5.32E-05	<5.85E-05	0.00043	<5.36E-05	175,968	16,348	<8.77E-01	<1.02E+00	<5.08E-04
Interface	Med	62	P	<6.64E-05	0.00014	<7.50E-05	0.01889	<7.24E-05	374,465	34,789	<2.52E+00	<2.92E+00	<1.46E-03
Interface	Low	40	P	<5.88E-05	<5.24E-05	<5.19E-05	0.00018	<5.72E-05	667,524	62,015	<3.55E+00	<4.11E+00	<2.05E-03
Non-Reaction Area	High	96		0.00023	<8.00E-05	<7.15E-05	<6.45E-05	<1.89E-04	1,146,284	106,493	<2.02E+01	<2.34E+01	<1.17E-02
Non-Reaction Area	Med	220		<8.37E-05	<8.05E-05	<6.07E-05	0.00023	<7.99E-05	1,894,101	175,968	<1.41E+01	<1.63E+01	<8.14E-03
Non-Reaction Area	Low	6		<5.42E-05	<6.32E-05	<5.18E-05	<8.40E-05	<5.94E-05	3,035,802	282,035	<1.68E+01	<1.94E+01	<9.71E-03
Non SEM Area								<1.76E-04	910,742	84,611	<1.49E+01	<1.73E+01	<8.63E-03
							Total		**12,905,294**	**1,198,941**	**<2.11E+02**	**<2.45E+02**	**<1.22E-01**

LD Yard			<6.60E-05	<6.44E-05	<7.52E-05	0.00544	<6.72E-05	
Road			0.00019	<7.85E-05	<9.33E-05	<6.75E-05	<1.06E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	<2.08E-03
Anomalous Area	<1.46E-02
Membrane	<6.34E-02
Interface	<4.02E-03
Non-Reaction Area	<2.95E-02

Flux Values (mg/m2-min)	
Site Average	<1.76E-04
Anomalous Area	<3.44E-04
Membrane Area	<3.27E-04
Interface Area	<6.14E-05
Non-Reaction Area	<9.03E-05
LD Yard	<6.72E-05
Road	<1.06E-04

Trichloroethene (TCE)
79-01-6

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<1.07E-05	<9.08E-06	<9.77E-06	<9.67E-06	<1.04E-05	314,524	29,220	<3.05E-01	<3.53E-01	<1.77E-04
Anomalous	High	240		<1.36E-05	<1.45E-05	<1.74E-05	0.00107	<1.42E-05	160,494	14,910	<2.12E-01	<2.46E-01	<1.23E-04
Anomalous	Med	241		<9.69E-06	<1.05E-05	<1.13E-05	0.00202	<1.01E-05	199,305	18,516	<1.88E-01	<2.17E-01	<1.09E-04
Anomalous	Low	52		<1.64E-05	<1.84E-05	<1.94E-05	0.00051	<1.80E-05	429,789	39,929	<7.18E-01	<8.32E-01	<4.16E-04
Membrane	High	173	M	<9.36E-06	<9.11E-06	<9.54E-06	<1.27E-05	<1.25E-05	617,983	57,413	<7.17E-01	<8.31E-01	<4.16E-04
Membrane	Med	69	M	<9.53E-06	<1.31E-05	<1.42E-05	<1.54E-05	<1.08E-05	1,136,035	105,541	<1.14E+00	<1.32E+00	<6.62E-04
Membrane	Low	177	M	<1.17E-05	<9.37E-06	<1.36E-05	<9.31E-06	<1.09E-05	1,842,278	171,153	<1.86E+00	<2.16E+00	<1.08E-03
Interface	High	36	P	0.01953	<9.48E-06	0.01622	<1.27E-05	<1.67E-02	175,968	16,348	<2.74E+02	<3.17E+02	<1.59E-01
Interface	Med	62	P	0.01949	0.00050	0.01804	0.00433	0.01816	374,465	34,789	631.9	732.2	0.3661
Interface	Low	40	P	0.01600	<9.34E-06	<9.26E-06	<9.55E-06	<1.20E-02	667,524	62,015	<7.44E+02	<8.62E+02	<4.31E-01
Non-Reaction Area	High	96		0.01586	0.01229	<1.27E-05	<1.15E-05	<1.32E-02	1,146,284	106,493	<1.41E+03	<1.63E+03	<8.15E-01
Non-Reaction Area	Med	220		0.01230	0.01518	0.00020	0.00024	0.01148	1,894,101	175,968	2,021	2,342	1.171
Non-Reaction Area	Low	6		0.01636	<1.13E-05	0.01289	<1.50E-05	<8.05E-03	3,035,802	282,035	<2.27E+03	<2.63E+03	<1.32E+00
Non SEM Area								<6.60E-03	910,742	84,611	<5.58E+02	<6.47E+02	<3.24E-01
							Total		**12,905,294**	**1,198,941**	**<7.91E+03**	**<9.17E+03**	**<4.58E+00**

LD Yard		<1.18E-05	<1.15E-05	<1.34E-05	0.00166	<1.20E-05
Road		<9.75E-06	<1.40E-05	<1.66E-05	<1.20E-05	<1.31E-05

Site Emissions by Area	**(TPY)**
Exceedance Area	<1.77E-04
Anomalous Area	<6.48E-04
Membrane	<2.16E-03
Interface	<9.56E-01
Non-Reaction Area	<3.30E+00

Flux Values (mg/m2-min)	
Site Average	<6.60E-03
Anomalous Area	<1.52E-05
Membrane Area	<1.11E-05
Interface Area	<1.46E-02
Non-Reaction Area	<1.01E-02
LD Yard	<1.20E-05
Road	<1.31E-05

Tetrahydrofuran
109-99-9

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<1.18E-05	<9.97E-06	<1.07E-05	<1.06E-05	<1.15E-05	314,524	29,220	<3.35E-01	<3.88E-01	<1.94E-04
Anomalous	High	240		0.00040	0.00219	<1.91E-05	0.00383	<5.75E-04	160,494	14,910	<8.57E+00	<9.94E+00	<4.97E-03
Anomalous	Med	241		<1.06E-05	<1.15E-05	<1.24E-05	0.08106	<1.37E-05	199,305	18,516	<2.53E-01	<2.94E-01	<1.47E-04
Anomalous	Low	52		<1.80E-05	<2.01E-05	<2.13E-05	<1.26E-05	<1.97E-05	429,789	39,929	<7.88E-01	<9.13E-01	<4.56E-04
Membrane	High	173	M	<1.03E-05	<1.00E-05	0.00019	<1.39E-05	<8.99E-05	617,983	57,413	<5.16E+00	<5.98E+00	<2.99E-03
Membrane	Med	69	M	<1.05E-05	<1.44E-05	<1.56E-05	<1.69E-05	<1.19E-05	1,136,035	105,541	<1.25E+00	<1.45E+00	<7.27E-04
Membrane	Low	177	M	0.00023	<1.03E-05	<1.49E-05	0.00020	<1.14E-04	1,842,278	171,153	<1.95E+01	<2.26E+01	<1.13E-02
Interface	High	36	P	<1.03E-05	<1.04E-05	<1.15E-05	<1.40E-05	<1.05E-05	175,968	16,348	<1.72E-01	<1.99E-01	<9.94E-05
Interface	Med	62	P	<1.30E-05	<1.23E-05	<1.47E-05	<1.01E-05	<1.32E-05	374,465	34,789	<4.58E-01	<5.31E-01	<2.65E-04
Interface	Low	40	P	<1.15E-05	0.00049	<1.02E-05	0.00131	<9.61E-05	667,524	62,015	<5.96E+00	<6.91E+00	<3.45E-03
Non-Reaction Area	High	96		<1.51E-05	<1.57E-05	<1.40E-05	<1.26E-05	<1.50E-05	1,146,284	106,493	<1.60E+00	<1.85E+00	<9.25E-04
Non-Reaction Area	Med	220		<1.64E-05	<1.58E-05	<1.19E-05	0.00139	<1.57E-05	1,894,101	175,968	<2.76E+00	<3.20E+00	<1.60E-03
Non-Reaction Area	Low	6		<1.06E-05	<1.24E-05	<1.01E-05	<1.64E-05	<1.16E-05	3,035,802	282,035	<3.28E+00	<3.80E+00	<1.90E-03
Non SEM Area								<4.49E-05	910,742	84,611	<3.80E+00	<4.40E+00	<2.20E-03
							Total		**12,905,294**	**1,198,941**	**<5.39E+01**	**<6.24E+01**	**<3.12E-02**

LD Yard			<1.29E-05	<1.26E-05	<1.47E-05	<1.23E-05	<1.31E-05
Road			<1.07E-05	<1.54E-05	<1.83E-05	<1.32E-05	<1.44E-05

Site Emissions by Area	**(TPY)**
Exceedance Area	<1.94E-04
Anomalous Area	<5.57E-03
Membrane	<1.50E-02
Interface	<3.82E-03
Non-Reaction Area	<4.42E-03

Flux Values (mg/m2-min)	
Site Average	<4.49E-05
Anomalous Area	<1.31E-04
Membrane Area	<7.75E-05
Interface Area	<5.83E-05
Non-Reaction Area	<1.35E-05
LD Yard	<1.31E-05
Road	<1.44E-05

Ethylbenzene
100-41-4

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<3.47E-05	<2.94E-05	<3.16E-05	<3.12E-05	<3.37E-05	314,524	29,220	<9.86E-01	<1.14E+00	<5.71E-04
Anomalous	High	240		0.00047	0.00386	0.00078	0.03100	0.00093	160,494	14,910	14	16	0.0080
Anomalous	Med	241		<3.13E-05	<3.38E-05	<3.64E-05	0.02925	<3.35E-05	199,305	18,516	<6.20E-01	<7.19E-01	<3.59E-04
Anomalous	Low	52		<5.31E-05	<5.93E-05	<6.27E-05	0.01664	<5.87E-05	429,789	39,929	<2.34E+00	<2.71E+00	<1.36E-03
Membrane	High	173	M	0.00011	0.00017	0.00061	<4.10E-05	<3.50E-04	617,983	57,413	<2.01E+01	<2.33E+01	<1.16E-02
Membrane	Med	69	M	<3.08E-05	<4.23E-05	<4.61E-05	<4.99E-05	<3.50E-05	1,136,035	105,541	<3.69E+00	<4.28E+00	<2.14E-03
Membrane	Low	177	M	0.00119	0.00015	<4.39E-05	0.00074	<5.66E-04	1,842,278	171,153	<9.69E+01	<1.12E+02	<5.61E-02
Interface	High	36	P	<3.03E-05	<3.06E-05	<3.37E-05	<4.12E-05	<3.09E-05	175,968	16,348	<5.05E-01	<5.86E-01	<2.93E-04
Interface	Med	62	P	<3.83E-05	<3.64E-05	<4.33E-05	0.01571	<3.93E-05	374,465	34,789	<1.37E+00	<1.58E+00	<7.92E-04
Interface	Low	40	P	<3.39E-05	0.00013	<2.99E-05	0.00011	<5.05E-05	667,524	62,015	<3.13E+00	<3.63E+00	<1.81E-03
Non-Reaction Area	High	96		<4.45E-05	<4.61E-05	<4.12E-05	<3.72E-05	<4.42E-05	1,146,284	106,493	<4.70E+00	<5.45E+00	<2.73E-03
Non-Reaction Area	Med	220		<4.82E-05	<4.64E-05	<3.50E-05	0.00017	<4.61E-05	1,894,101	175,968	<8.10E+00	<9.39E+00	<4.70E-03
Non-Reaction Area	Low	6		<3.12E-05	<3.65E-05	<2.98E-05	<4.85E-05	<3.43E-05	3,035,802	282,035	<9.66E+00	<1.12E+01	<5.60E-03
Non SEM Area								<1.49E-04	910,742	84,611	<1.26E+01	<1.46E+01	<7.30E-03
							Total		**12,905,294**	**1,198,941**	**<1.79E+02**	**<2.07E+02**	**<1.03E-01**

LD Yard			<3.81E-05	<3.71E-05	<4.34E-05	0.00432	<3.88E-05	
Road			0.00019	<4.53E-05	<5.38E-05	<3.89E-05	<8.14E-05	

Site Emissions by Area	**(TPY)**
Exceedance Area	<5.71E-04
Anomalous Area	<9.76E-03
Membrane	<6.99E-02
Interface	<2.90E-03
Non-Reaction Area	<1.30E-02

Flux Values (mg/m2-min)	
Site Average	<1.49E-04
Anomalous Area	<2.30E-04
Membrane Area	<3.61E-04
Interface Area	<4.42E-05
Non-Reaction Area	<3.98E-05
LD Yard	<3.88E-05
Road	<8.14E-05

Acrolein
107-02-8

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	0.00018	0.00020	0.00022	0.00044	0.00019	314,524	29,220	5.5	6.3	0.0032
Anomalous	High	240		0.00034	0.00246	0.00157	<3.45E-05	<7.59E-04	160,494	14,910	<1.13E+01	<1.31E+01	<6.55E-03
Anomalous	Med	241		0.00033	0.00041	0.00023	0.00458	0.00033	199,305	18,516	6.1	7.0	0.0035
Anomalous	Low	52		0.00023	0.00096	0.00051	0.00098	0.00054	429,789	39,929	22	25	0.013
Membrane	High	173	M	0.00028	<1.56E-05	<1.63E-05	0.00040	<1.62E-04	617,983	57,413	<9.28E+00	<1.08E+01	<5.38E-03
Membrane	Med	69	M	0.00015	0.00011	0.00032	0.00024	0.00017	1,136,035	105,541	18	21	0.0104
Membrane	Low	177	M	0.00051	0.00018	0.00023	0.00016	0.00029	1,842,278	171,153	49	57	0.029
Interface	High	36	P	0.00044	0.00027	<1.78E-05	0.00061	<3.49E-04	175,968	16,348	<5.70E+00	<6.61E+00	<3.30E-03
Interface	Med	62	P	0.00028	0.00058	0.00071	0.01029	0.00035	374,465	34,789	12.2	14.2	0.0071
Interface	Low	40	P	0.00012	0.00052	0.00017	0.00089	0.00020	667,524	62,015	12.3	14.2	0.0071
Non-Reaction Area	High	96		0.00071	0.00084	0.00133	0.00046	0.00081	1,146,284	106,493	87	100	0.050
Non-Reaction Area	Med	220		0.00027	0.00017	0.00042	0.00105	0.00026	1,894,101	175,968	46	54	0.027
Non-Reaction Area	Low	6		<1.65E-05	0.00028	0.00018	0.00018	<1.49E-04	3,035,802	282,035	<4.21E+01	<4.87E+01	<2.44E-02
Non SEM Area								<2.93E-04	910,742	84,611	<2.48E+01	<2.87E+01	<1.44E-02
							Total		**12,905,294**	**1,198,941**	**<3.51E+02**	**<4.07E+02**	**<2.03E-01**

LD Yard			0.00024	0.00069	0.00032	0.00739	0.00031
Road			0.00031	0.00098	0.00061	0.00065	0.00064

Site Emissions by Area	**(TPY)**
Exceedance Area	0.0032
Anomalous Area	<2.26E-02
Membrane	<4.43E-02
Interface	<1.75E-02
Non-Reaction Area	<1.01E-01

Flux Values (mg/m2-min)	
Site Average	<2.93E-04
Anomalous Area	<5.32E-04
Membrane Area	<2.29E-04
Interface Area	<2.67E-04
Non-Reaction Area	<3.10E-04
LD Yard	0.00031
Road	0.00064

n-Heptane
142-82-5

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<3.27E-05	<2.77E-05	<2.98E-05	<2.95E-05	<3.18E-05	314,524	29,220	<9.30E-01	<1.08E+00	<5.39E-04
Anomalous	High	240		<4.16E-05	0.00084	<5.30E-05	0.00128	<1.43E-04	160,494	14,910	<2.13E+00	<2.47E+00	<1.24E-03
Anomalous	Med	241		<2.96E-05	<3.19E-05	<3.43E-05	0.02795	<3.16E-05	199,305	18,516	<5.86E-01	<6.79E-01	<3.39E-04
Anomalous	Low	52		<5.01E-05	<5.60E-05	<5.91E-05	0.00081	<5.49E-05	429,789	39,929	<2.19E+00	<2.54E+00	<1.27E-03
Membrane	High	173	M	<2.85E-05	<2.78E-05	<2.91E-05	<3.86E-05	<3.81E-05	617,983	57,413	<2.19E+00	<2.54E+00	<1.27E-03
Membrane	Med	69	M	<2.91E-05	<3.99E-05	<4.35E-05	<4.71E-05	<3.30E-05	1,136,035	105,541	<3.49E+00	<4.04E+00	<2.02E-03
Membrane	Low	177	M	<3.58E-05	<2.86E-05	<4.14E-05	<2.84E-05	<3.32E-05	1,842,278	171,153	<5.69E+00	<6.59E+00	<3.29E-03
Interface	High	36	P	<2.86E-05	<2.89E-05	<3.18E-05	0.00018	<2.92E-05	175,968	16,348	<4.77E-01	<5.53E-01	<2.76E-04
Interface	Med	62	P	<3.61E-05	<3.43E-05	<4.08E-05	0.02284	<3.73E-05	374,465	34,789	<1.30E+00	<1.50E+00	<7.52E-04
Interface	Low	40	P	<3.20E-05	<2.85E-05	<2.82E-05	<2.91E-05	<3.11E-05	667,524	62,015	<1.93E+00	<2.23E+00	<1.12E-03
Non-Reaction Area	High	96		<4.19E-05	<4.35E-05	<3.89E-05	<3.51E-05	<4.17E-05	1,146,284	106,493	<4.44E+00	<5.14E+00	<2.57E-03
Non-Reaction Area	Med	220		<4.55E-05	<4.38E-05	<3.30E-05	<3.74E-05	<4.35E-05	1,894,101	175,968	<7.65E+00	<8.86E+00	<4.43E-03
Non-Reaction Area	Low	6		<2.95E-05	<3.44E-05	<2.82E-05	<4.57E-05	<3.23E-05	3,035,802	282,035	<9.11E+00	<1.06E+01	<5.28E-03
Non SEM Area								<3.78E-05	910,742	84,611	<3.20E+00	<3.70E+00	<1.85E-03
							Total		**12,905,294**	**1,198,941**	**<4.53E+01**	**<5.25E+01**	**<2.62E-02**

LD Yard			<3.59E-05	<3.50E-05	<4.09E-05	0.01033	<3.68E-05	
Road			0.00016	<4.27E-05	<5.08E-05	<3.67E-05	<7.23E-05	

Site Emissions by Area	**(TPY)**
Exceedance Area	<5.39E-04
Anomalous Area	<2.84E-03
Membrane	<6.58E-03
Interface	<2.15E-03
Non-Reaction Area	<1.23E-02

Flux Values (mg/m2-min)	
Site Average	<3.78E-05
Anomalous Area	<6.69E-05
Membrane Area	<3.40E-05
Interface Area	<3.27E-05
Non-Reaction Area	<3.76E-05
LD Yard	<3.68E-05
Road	<7.23E-05

Isopropyltoluene
99-87-6

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<8.77E-05	<7.42E-05	<7.98E-05	0.00037	<8.53E-05	314,524	29,220	<2.49E+00	<2.89E+00	<1.44E-03
Anomalous	High	240		0.00494	0.01624	0.00312	0.04087	0.00613	160,494	14,910	91	106	0.0529
Anomalous	Med	241		<7.92E-05	<8.55E-05	<9.20E-05	0.04218	<8.37E-05	199,305	18,516	<1.55E+00	<1.79E+00	<8.97E-04
Anomalous	Low	52		<1.34E-04	<1.50E-04	0.00051	0.00676	<2.66E-04	429,789	39,929	<1.06E+01	<1.23E+01	<6.15E-03
Membrane	High	173	M	0.00023	0.00041	0.00050	<1.04E-04	<4.41E-04	617,983	57,413	<2.53E+01	<2.93E+01	<1.47E-02
Membrane	Med	69	M	<7.79E-05	<1.07E-04	<1.16E-04	<1.26E-04	<8.85E-05	1,136,035	105,541	<9.34E+00	<1.08E+01	<5.41E-03
Membrane	Low	177	M	0.00657	0.00070	<1.11E-04	0.00269	<2.78E-03	1,842,278	171,153	<4.76E+02	<5.52E+02	<2.76E-01
Interface	High	36	P	<7.65E-05	<7.75E-05	<8.53E-05	<1.04E-04	<7.81E-05	175,968	16,348	<1.28E+00	<1.48E+00	<7.40E-04
Interface	Med	62	P	<9.67E-05	<9.19E-05	<1.09E-04	0.00333	<9.81E-05	374,465	34,789	<3.41E+00	<3.95E+00	<1.98E-03
Interface	Low	40	P	<8.57E-05	<7.63E-05	<7.56E-05	0.00019	<8.33E-05	667,524	62,015	<5.17E+00	<5.99E+00	<2.99E-03
Non-Reaction Area	High	96		<1.12E-04	<1.17E-04	<1.04E-04	<9.39E-05	<1.12E-04	1,146,284	106,493	<1.19E+01	<1.38E+01	<6.89E-03
Non-Reaction Area	Med	220		<1.22E-04	<1.17E-04	<8.85E-05	0.00108	<1.16E-04	1,894,101	175,968	<2.05E+01	<2.37E+01	<1.19E-02
Non-Reaction Area	Low	6		<7.89E-05	<9.21E-05	<7.54E-05	<1.22E-04	<8.66E-05	3,035,802	282,035	<2.44E+01	<2.83E+01	<1.41E-02
Non SEM Area								<6.14E-04	910,742	84,611	<5.19E+01	<6.02E+01	<3.01E-02
							Total		**12,905,294**	**1,198,941**	**<7.36E+02**	**<8.52E+02**	**<4.26E-01**

LD Yard			<9.62E-05	<9.39E-05	<1.10E-04	0.00061	<9.76E-05	
Road			<7.96E-05	<1.14E-04	<1.36E-04	<9.84E-05	<1.07E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	<1.44E-03
Anomalous Area	<6.00E-02
Membrane	<2.96E-01
Interface	<5.71E-03
Non-Reaction Area	<3.29E-02

Flux Values (mg/m2-min)	
Site Average	<6.14E-04
Anomalous Area	<1.41E-03
Membrane Area	<1.53E-03
Interface Area	<8.71E-05
Non-Reaction Area	<1.01E-04
LD Yard	<9.76E-05
Road	<1.07E-04

Cyclohexane
110-82-7

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<1.38E-05	<1.16E-05	<1.25E-05	<1.24E-05	<1.34E-05	314,524	29,220	<3.91E-01	<4.53E-01	<2.26E-04
Anomalous	High	240		<1.75E-05	0.00030	<2.23E-05	0.00043	<5.30E-05	160,494	14,910	<7.91E-01	<9.16E-01	<4.58E-04
Anomalous	Med	241		<1.24E-05	<1.34E-05	<1.44E-05	0.00922	<1.32E-05	199,305	18,516	<2.45E-01	<2.83E-01	<1.42E-04
Anomalous	Low	52		<2.10E-05	<2.35E-05	<2.48E-05	0.00037	<2.31E-05	429,789	39,929	<9.20E-01	<1.07E+00	<5.33E-04
Membrane	High	173	M	<1.20E-05	<1.17E-05	<1.22E-05	<1.62E-05	<1.60E-05	617,983	57,413	<9.20E-01	<1.07E+00	<5.33E-04
Membrane	Med	69	M	<1.22E-05	<1.68E-05	<1.83E-05	<1.98E-05	<1.39E-05	1,136,035	105,541	<1.46E+00	<1.70E+00	<8.49E-04
Membrane	Low	177	M	<1.50E-05	<1.20E-05	<1.74E-05	<1.19E-05	<1.40E-05	1,842,278	171,153	<2.39E+00	<2.77E+00	<1.38E-03
Interface	High	36	P	<1.20E-05	0.00013	<1.34E-05	0.00050	<2.59E-05	175,968	16,348	<4.23E-01	<4.90E-01	<2.45E-04
Interface	Med	62	P	<1.52E-05	<1.44E-05	<1.72E-05	0.02435	<1.62E-05	374,465	34,789	<5.62E-01	<6.51E-01	<3.26E-04
Interface	Low	40	P	<1.34E-05	<1.20E-05	<1.19E-05	0.00040	<1.31E-05	667,524	62,015	<8.11E-01	<9.40E-01	<4.70E-04
Non-Reaction Area	High	96		<1.76E-05	<1.83E-05	<1.63E-05	<1.47E-05	<1.75E-05	1,146,284	106,493	<1.86E+00	<2.16E+00	<1.08E-03
Non-Reaction Area	Med	220		<1.91E-05	<1.84E-05	<1.39E-05	0.00058	<1.83E-05	1,894,101	175,968	<3.22E+00	<3.73E+00	<1.86E-03
Non-Reaction Area	Low	6		<1.24E-05	<1.45E-05	<1.18E-05	<1.92E-05	<1.36E-05	3,035,802	282,035	<3.83E+00	<4.44E+00	<2.22E-03
Non SEM Area								<1.60E-05	910,742	84,611	<1.35E+00	<1.57E+00	<7.84E-04
							Total		**12,905,294**	**1,198,941**	**<1.92E+01**	**<2.22E+01**	**<1.11E-02**

LD Yard			<1.51E-05	<1.47E-05	<1.72E-05	0.01007	<1.56E-05	
Road			0.00017	<1.80E-05	<2.13E-05	<1.54E-05	<5.71E-05	

Site Emissions by Area	**(TPY)**
Exceedance Area	<2.26E-04
Anomalous Area	<1.13E-03
Membrane	<2.77E-03
Interface	<1.04E-03
Non-Reaction Area	<5.16E-03

Flux Values (mg/m2-min)	
Site Average	<1.60E-05
Anomalous Area	<2.67E-05
Membrane Area	<1.43E-05
Interface Area	<1.59E-05
Non-Reaction Area	<1.58E-05
LD Yard	<1.56E-05
Road	<5.71E-05

o-Xylene
95-47-6

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<3.47E-05	<2.94E-05	<3.16E-05	<3.12E-05	<3.37E-05	314,524	29,220	<9.86E-01	<1.14E+00	<5.71E-04
Anomalous	High	240		0.00038	0.00194	0.00068	0.01468	0.00061	160,494	14,910	9	11	0.0053
Anomalous	Med	241		<3.13E-05	<3.38E-05	<3.64E-05	0.02822	<3.35E-05	199,305	18,516	<6.20E-01	<7.18E-01	<3.59E-04
Anomalous	Low	52		<5.31E-05	<5.93E-05	<6.27E-05	0.01523	<5.86E-05	429,789	39,929	<2.34E+00	<2.71E+00	<1.36E-03
Membrane	High	173	M	<3.03E-05	0.00013	0.00024	<4.10E-05	<1.67E-04	617,983	57,413	<9.60E+00	<1.11E+01	<5.56E-03
Membrane	Med	69	M	<3.08E-05	<4.23E-05	<4.61E-05	<4.99E-05	<3.50E-05	1,136,035	105,541	<3.69E+00	<4.28E+00	<2.14E-03
Membrane	Low	177	M	0.00064	<3.03E-05	<4.39E-05	0.00040	<2.90E-04	1,842,278	171,153	<4.96E+01	<5.75E+01	<2.88E-02
Interface	High	36	P	<3.03E-05	<3.06E-05	<3.37E-05	0.00019	<3.09E-05	175,968	16,348	<5.05E-01	<5.86E-01	<2.93E-04
Interface	Med	62	P	<3.83E-05	0.00020	<4.33E-05	0.00624	<4.91E-05	374,465	34,789	<1.71E+00	<1.98E+00	<9.90E-04
Interface	Low	40	P	<3.39E-05	0.00014	<2.99E-05	0.00009	<5.18E-05	667,524	62,015	<3.21E+00	<3.72E+00	<1.86E-03
Non-Reaction Area	High	96		<4.45E-05	<4.61E-05	<4.12E-05	<3.72E-05	<4.42E-05	1,146,284	106,493	<4.70E+00	<5.45E+00	<2.73E-03
Non-Reaction Area	Med	220		<4.82E-05	<4.64E-05	<3.50E-05	0.00020	<4.61E-05	1,894,101	175,968	<8.11E+00	<9.39E+00	<4.70E-03
Non-Reaction Area	Low	6		<3.12E-05	<3.65E-05	<2.98E-05	<4.85E-05	<3.43E-05	3,035,802	282,035	<9.66E+00	<1.12E+01	<5.60E-03
Non SEM Area								<9.33E-05	910,742	84,611	<7.89E+00	<9.14E+00	<4.57E-03
							Total		**12,905,294**	**1,198,941**	**<1.12E+02**	**<1.30E+02**	**<6.48E-02**

LD Yard			<3.81E-05	<3.71E-05	<4.34E-05	0.00155	<3.87E-05
Road			0.00011	<4.53E-05	<5.38E-05	<3.89E-05	<6.29E-05

Site Emissions by Area	**(TPY)**
Exceedance Area	<5.71E-04
Anomalous Area	<7.02E-03
Membrane	<3.65E-02
Interface	<3.15E-03
Non-Reaction Area	<1.30E-02

Flux Values (mg/m2-min)	
Site Average	<9.33E-05
Anomalous Area	<1.65E-04
Membrane Area	<1.88E-04
Interface Area	<4.80E-05
Non-Reaction Area	<3.98E-05
LD Yard	<3.87E-05
Road	<6.29E-05

Hexane
110-54-3

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	0.00021	0.00029	0.00024	0.00022	0.00023	314,524	29,220	6.6	7.7	0.0038
Anomalous	High	240		<3.58E-05	0.00021	<4.56E-05	0.00052	<5.94E-05	160,494	14,910	<8.86E-01	<1.03E+00	<5.13E-04
Anomalous	Med	241		<2.54E-05	<2.74E-05	<2.95E-05	0.00537	<2.66E-05	199,305	18,516	<4.93E-01	<5.71E-01	<2.85E-04
Anomalous	Low	52		<4.31E-05	<4.82E-05	<5.09E-05	0.00039	<4.72E-05	429,789	39,929	<1.88E+00	<2.18E+00	<1.09E-03
Membrane	High	173	M	0.00210	0.00457	0.00556	0.00663	0.00621	617,983	57,413	357	413	0.2067
Membrane	Med	69	M	<2.50E-05	<3.43E-05	0.00031	0.00021	<6.88E-05	1,136,035	105,541	<7.26E+00	<8.41E+00	<4.21E-03
Membrane	Low	177	M	0.00812	0.00026	0.00028	0.00025	0.00269	1,842,278	171,153	461	534	0.267
Interface	High	36	P	<2.46E-05	<2.49E-05	<2.74E-05	0.00021	<2.51E-05	175,968	16,348	<4.10E-01	<4.75E-01	<2.38E-04
Interface	Med	62	P	<3.11E-05	0.00032	0.00053	0.00738	<1.09E-04	374,465	34,789	<3.79E+00	<4.39E+00	<2.20E-03
Interface	Low	40	P	<2.75E-05	<2.45E-05	<2.43E-05	0.00019	<2.68E-05	667,524	62,015	<1.66E+00	<1.92E+00	<9.62E-04
Non-Reaction Area	High	96		0.00039	0.00023	<3.34E-05	<3.02E-05	<3.19E-04	1,146,284	106,493	<3.40E+01	<3.94E+01	<1.97E-02
Non-Reaction Area	Med	220		<3.91E-05	<3.77E-05	<2.84E-05	0.00050	<3.74E-05	1,894,101	175,968	<6.58E+00	<7.63E+00	<3.81E-03
Non-Reaction Area	Low	6		<2.53E-05	<2.96E-05	<2.42E-05	<3.93E-05	<2.78E-05	3,035,802	282,035	<7.84E+00	<9.09E+00	<4.54E-03
Non SEM Area								<7.98E-04	910,742	84,611	<6.75E+01	<7.82E+01	<3.91E-02
							Total		**12,905,294**	**1,198,941**	**<9.57E+02**	**<1.11E+03**	**<5.54E-01**

LD Yard	0.00017	0.00016	0.00014	0.00725	0.00017	
Road	0.00014	0.00022	0.00012	0.00013	0.00016	

Site Emissions by Area	**(TPY)**
Exceedance Area	0.0038
Anomalous Area	<1.89E-03
Membrane	<4.78E-01
Interface	<3.40E-03
Non-Reaction Area	<2.80E-02

Flux Values (mg/m2-min)	
Site Average	<7.98E-04
Anomalous Area	<4.45E-05
Membrane Area	<2.47E-03
Interface Area	<5.18E-05
Non-Reaction Area	<8.58E-05
LD Yard	0.00017
Road	0.00016

Chloromethane
74-87-3

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	0.00030	0.00026	0.00029	0.00030	0.00030	314,524	29,220	8.7	10.1	0.0050
Anomalous	High	240		0.00087	0.00327	0.00099	0.00364	0.00119	160,494	14,910	18	20	0.0102
Anomalous	Med	241		0.00009	0.00009	0.00015	0.01390	0.00010	199,305	18,516	1.8	2.1	0.0010
Anomalous	Low	52		0.00030	0.00047	0.00034	0.00093	0.00036	429,789	39,929	14	17	0.008
Membrane	High	173	M	0.00026	0.00027	0.00027	0.00038	0.00036	617,983	57,413	21	24	0.0121
Membrane	Med	69	M	0.00007	<3.02E-05	0.00020	0.00014	<8.55E-05	1,136,035	105,541	<9.02E+00	<1.05E+01	<5.23E-03
Membrane	Low	177	M	0.00033	0.00026	0.00036	<2.15E-05	<2.54E-04	1,842,278	171,153	<4.34E+01	<5.03E+01	<2.52E-02
Interface	High	36	P	0.00017	0.00011	<2.41E-05	0.00014	<1.41E-04	175,968	16,348	<2.30E+00	<2.67E+00	<1.33E-03
Interface	Med	62	P	0.00011	<2.59E-05	0.00026	<2.13E-05	<1.26E-04	374,465	34,789	<4.39E+00	<5.09E+00	<2.55E-03
Interface	Low	40	P	0.00006	0.00017	<2.13E-05	0.00025	<7.61E-05	667,524	62,015	<4.72E+00	<5.47E+00	<2.74E-03
Non-Reaction Area	High	96		0.00025	0.00026	0.00029	0.00012	0.00026	1,146,284	106,493	28	32	0.016
Non-Reaction Area	Med	220		<3.44E-05	<3.31E-05	0.00012	0.00041	<4.51E-05	1,894,101	175,968	<7.94E+00	<9.20E+00	<4.60E-03
Non-Reaction Area	Low	6		0.00006	<2.60E-05	<2.13E-05	0.00016	<4.68E-05	3,035,802	282,035	<1.32E+01	<1.53E+01	<7.65E-03
Non SEM Area								<1.58E-04	910,742	84,611	<1.34E+01	<1.55E+01	<7.75E-03
							Total		**12,905,294**	**1,198,941**	**<1.89E+02**	**<2.20E+02**	**<1.10E-01**

LD Yard			0.00013	0.00031	0.00014	0.00102	0.00016
Road			0.00009	0.00021	0.00021	0.00016	0.00017

Site Emissions by Area	(TPY)
Exceedance Area	0.0050
Anomalous Area	0.020
Membrane	<4.25E-02
Interface	<6.61E-03
Non-Reaction Area	<2.82E-02

Flux Values (mg/m2-min)	
Site Average	<1.58E-04
Anomalous Area	0.000
Membrane Area	<2.19E-04
Interface Area	<1.01E-04
Non-Reaction Area	<8.63E-05
LD Yard	0.00016
Road	0.00017

Benzene

71-43-2

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	0.00022	0.00026	0.00020	0.00020	0.00022	314,524	29,220	6.5	7.5	0.0037
Anomalous	High	240		0.00030	0.00059	0.00033	<1.68E-04	<3.42E-04	160,494	14,910	<5.10E+00	<5.91E+00	<2.95E-03
Anomalous	Med	241		0.00030	0.00023	0.00021	0.00856	0.00027	199,305	18,516	5.0	5.8	0.0029
Anomalous	Low	52		<1.37E-04	<1.53E-04	<1.61E-04	0.00052	<1.50E-04	429,789	39,929	<5.97E+00	<6.92E+00	<3.46E-03
Membrane	High	173	M	0.00028	0.00051	0.00109	0.00027	0.00078	617,983	57,413	45	52	0.026
Membrane	Med	69	M	0.00024	<1.09E-04	0.00028	<1.28E-04	<2.19E-04	1,136,035	105,541	<2.31E+01	<2.68E+01	<1.34E-02
Membrane	Low	177	M	0.00105	0.00026	<1.13E-04	0.00092	<6.01E-04	1,842,278	171,153	<1.03E+02	<1.19E+02	<5.96E-02
Interface	High	36	P	0.00030	<7.89E-05	<8.68E-05	0.00030	<2.39E-04	175,968	16,348	<3.91E+00	<4.53E+00	<2.27E-03
Interface	Med	62	P	0.00029	0.00027	0.00029	0.01038	0.00029	374,465	34,789	10	12	0.0059
Interface	Low	40	P	<8.73E-05	0.00028	<7.70E-05	0.00025	<1.21E-04	667,524	62,015	<7.51E+00	<8.70E+00	<4.35E-03
Non-Reaction Area	High	96		0.00026	<1.19E-04	<1.06E-04	0.00032	<2.22E-04	1,146,284	106,493	<2.36E+01	<2.73E+01	<1.37E-02
Non-Reaction Area	Med	220		<1.24E-04	<1.19E-04	0.00027	0.00054	<1.42E-04	1,894,101	175,968	<2.50E+01	<2.89E+01	<1.45E-02
Non-Reaction Area	Low	6		<8.04E-05	0.00019	<7.68E-05	<1.25E-04	<1.35E-04	3,035,802	282,035	<3.80E+01	<4.40E+01	<2.20E-02
Non SEM Area								<2.70E-04	910,742	84,611	<2.29E+01	<2.65E+01	<1.33E-02
							Total		**12,905,294**	**1,198,941**	**<3.24E+02**	**<3.76E+02**	**<1.88E-01**

LD Yard			<9.80E-05	<9.56E-05	<1.12E-04	0.00331	<9.95E-05	
Road			0.00024	0.00035	<1.39E-04	0.00027	<2.50E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	0.0037
Anomalous Area	<9.34E-03
Membrane	<9.89E-02
Interface	<1.25E-02
Non-Reaction Area	<5.01E-02

Flux Values (mg/m2-min)	
Site Average	<2.70E-04
Anomalous Area	<2.20E-04
Membrane Area	<5.11E-04
Interface Area	<1.91E-04
Non-Reaction Area	<1.53E-04
LD Yard	<9.95E-05
Road	<2.50E-04

Nonane
111-84-2

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<4.19E-05	<3.55E-05	<3.82E-05	<3.78E-05	<4.08E-05	314,524	29,220	<1.19E+00	<1.38E+00	<6.90E-04
Anomalous	High	240		<5.33E-05	0.00205	<6.79E-05	0.01030	<3.05E-04	160,494	14,910	<4.55E+00	<5.28E+00	<2.64E-03
Anomalous	Med	241		<3.79E-05	<4.08E-05	<4.40E-05	0.03823	<4.06E-05	199,305	18,516	<7.51E-01	<8.71E-01	<4.35E-04
Anomalous	Low	52		<6.41E-05	<7.17E-05	<7.57E-05	<4.50E-05	<7.02E-05	429,789	39,929	<2.80E+00	<3.25E+00	<1.62E-03
Membrane	High	173	M	<3.65E-05	0.00010	0.00036	<4.95E-05	<2.11E-04	617,983	57,413	<1.21E+01	<1.40E+01	<7.01E-03
Membrane	Med	69	M	<3.72E-05	<5.11E-05	<5.56E-05	<6.02E-05	<4.23E-05	1,136,035	105,541	<4.46E+00	<5.17E+00	<2.59E-03
Membrane	Low	177	M	0.00065	<3.66E-05	<5.31E-05	0.00045	<3.08E-04	1,842,278	171,153	<5.28E+01	<6.12E+01	<3.06E-02
Interface	High	36	P	<3.66E-05	<3.70E-05	<4.08E-05	<4.97E-05	<3.73E-05	175,968	16,348	<6.10E-01	<7.07E-01	<3.54E-04
Interface	Med	62	P	<4.62E-05	<4.39E-05	<5.23E-05	0.00573	<4.70E-05	374,465	34,789	<1.64E+00	<1.90E+00	<9.48E-04
Interface	Low	40	P	<4.10E-05	<3.65E-05	<3.62E-05	<3.73E-05	<3.98E-05	667,524	62,015	<2.47E+00	<2.86E+00	<1.43E-03
Non-Reaction Area	High	96		<5.37E-05	<5.57E-05	<4.98E-05	<4.49E-05	<5.34E-05	1,146,284	106,493	<5.68E+00	<6.58E+00	<3.29E-03
Non-Reaction Area	Med	220		<5.83E-05	<5.61E-05	<4.23E-05	<4.78E-05	<5.56E-05	1,894,101	175,968	<9.79E+00	<1.13E+01	<5.67E-03
Non-Reaction Area	Low	6		<3.77E-05	<4.40E-05	<3.61E-05	<5.85E-05	<4.14E-05	3,035,802	282,035	<1.17E+01	<1.35E+01	<6.76E-03
Non SEM Area								<9.92E-05	910,742	84,611	<8.39E+00	<9.72E+00	<4.86E-03
							Total		**12,905,294**	**1,198,941**	**<1.19E+02**	**<1.38E+02**	**<6.89E-02**

LD Yard			<4.60E-05	<4.49E-05	<5.24E-05	<4.37E-05	<4.67E-05	
Road			<3.81E-05	<5.47E-05	<6.50E-05	<4.70E-05	<5.12E-05	

Site Emissions by Area	(TPY)
Exceedance Area	<6.90E-04
Anomalous Area	<4.70E-03
Membrane	<4.02E-02
Interface	<2.73E-03
Non-Reaction Area	<1.57E-02

Flux Values (mg/m2-min)	
Site Average	<9.92E-05
Anomalous Area	<1.11E-04
Membrane Area	<2.08E-04
Interface Area	<4.17E-05
Non-Reaction Area	<4.81E-05
LD Yard	<4.67E-05
Road	<5.12E-05

Octane
111-65-9

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<3.73E-05	<3.16E-05	<3.40E-05	<3.36E-05	<3.63E-05	314,524	29,220	<1.06E+00	<1.23E+00	<6.14E-04
Anomalous	High	240		<4.74E-05	0.00052	<6.04E-05	0.00248	<1.08E-04	160,494	14,910	<1.61E+00	<1.86E+00	<9.30E-04
Anomalous	Med	241		<3.37E-05	<3.64E-05	<3.91E-05	0.01782	<3.56E-05	199,305	18,516	<6.59E-01	<7.64E-01	<3.82E-04
Anomalous	Low	52		<5.70E-05	<6.38E-05	<6.74E-05	<4.01E-05	<6.25E-05	429,789	39,929	<2.50E+00	<2.89E+00	<1.45E-03
Membrane	High	173	M	<3.25E-05	<3.17E-05	0.00016	<4.40E-05	<9.56E-05	617,983	57,413	<5.49E+00	<6.36E+00	<3.18E-03
Membrane	Med	69	M	<3.31E-05	<4.55E-05	<4.95E-05	<5.36E-05	<3.76E-05	1,136,035	105,541	<3.97E+00	<4.60E+00	<2.30E-03
Membrane	Low	177	M	0.00015	<3.26E-05	<4.72E-05	<3.24E-05	<7.19E-05	1,842,278	171,153	<1.23E+01	<1.43E+01	<7.13E-03
Interface	High	36	P	<3.26E-05	<3.30E-05	<3.63E-05	<4.43E-05	<3.32E-05	175,968	16,348	<5.43E-01	<6.30E-01	<3.15E-04
Interface	Med	62	P	<4.12E-05	<3.91E-05	<4.65E-05	0.01110	<4.21E-05	374,465	34,789	<1.46E+00	<1.70E+00	<8.48E-04
Interface	Low	40	P	<3.65E-05	<3.25E-05	<3.22E-05	<3.32E-05	<3.54E-05	667,524	62,015	<2.20E+00	<2.55E+00	<1.27E-03
Non-Reaction Area	High	96		<4.78E-05	<4.96E-05	<4.43E-05	<4.00E-05	<4.75E-05	1,146,284	106,493	<5.06E+00	<5.86E+00	<2.93E-03
Non-Reaction Area	Med	220		<5.19E-05	<4.99E-05	<3.76E-05	<4.26E-05	<4.95E-05	1,894,101	175,968	<8.71E+00	<1.01E+01	<5.05E-03
Non-Reaction Area	Low	6		<3.36E-05	<3.92E-05	<3.21E-05	<5.21E-05	<3.68E-05	3,035,802	282,035	<1.04E+01	<1.20E+01	<6.02E-03
Non SEM Area								<5.02E-05	910,742	84,611	<4.25E+00	<4.92E+00	<2.46E-03
							Total		**12,905,294**	**1,198,941**	**<6.02E+01**	**<6.98E+01**	**<3.49E-02**

LD Yard			<4.09E-05	<3.99E-05	<4.66E-05	<3.89E-05	<4.15E-05	
Road			<3.39E-05	<4.87E-05	<5.79E-05	<4.19E-05	<4.56E-05	

Site Emissions by Area	**(TPY)**
Exceedance Area	<6.14E-04
Anomalous Area	<2.76E-03
Membrane	<1.26E-02
Interface	<2.44E-03
Non-Reaction Area	<1.40E-02

Flux Values (mg/m2-min)	
Site Average	<5.02E-05
Anomalous Area	<6.49E-05
Membrane Area	<6.52E-05
Interface Area	<3.72E-05
Non-Reaction Area	<4.28E-05
LD Yard	<4.15E-05
Road	<4.56E-05

2-Hexanone
591-78-6

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	0.00105	0.00126	0.00054	0.00170	0.00104	314,524	29,220	30.5	35.3	0.0176
Anomalous	High	240		<4.16E-05	<4.42E-05	<5.30E-05	<6.16E-05	<4.33E-05	160,494	14,910	<6.46E-01	<7.49E-01	<3.74E-04
Anomalous	Med	241		0.00160	0.00066	0.00018	<3.05E-05	<1.21E-03	199,305	18,516	<2.24E+01	<2.60E+01	<1.30E-02
Anomalous	Low	52		<5.01E-05	<5.60E-05	<5.91E-05	<3.51E-05	<5.48E-05	429,789	39,929	<2.19E+00	<2.54E+00	<1.27E-03
Membrane	High	173	M	0.00096	0.00018	0.00027	<3.86E-05	<3.63E-04	617,983	57,413	<2.08E+01	<2.41E+01	<1.21E-02
Membrane	Med	69	M	0.00046	<3.99E-05	0.00033	0.00079	<4.33E-04	1,136,035	105,541	<4.57E+01	<5.30E+01	<2.65E-02
Membrane	Low	177	M	<3.58E-05	<2.86E-05	<4.14E-05	<2.84E-05	<3.32E-05	1,842,278	171,153	<5.69E+00	<6.59E+00	<3.29E-03
Interface	High	36	P	<2.86E-05	<2.89E-05	<3.18E-05	<3.88E-05	<2.92E-05	175,968	16,348	<4.77E-01	<5.52E-01	<2.76E-04
Interface	Med	62	P	0.00067	0.00086	0.00773	<2.82E-05	<1.53E-03	374,465	34,789	<5.34E+01	<6.18E+01	<3.09E-02
Interface	Low	40	P	<3.20E-05	<2.85E-05	0.00065	<2.91E-05	<7.56E-05	667,524	62,015	<4.69E+00	<5.43E+00	<2.72E-03
Non-Reaction Area	High	96		<4.19E-05	0.00135	<3.89E-05	0.00041	<1.82E-04	1,146,284	106,493	<1.94E+01	<2.25E+01	<1.12E-02
Non-Reaction Area	Med	220		<4.55E-05	<4.38E-05	0.00039	0.00250	<8.95E-05	1,894,101	175,968	<1.58E+01	<1.83E+01	<9.13E-03
Non-Reaction Area	Low	6		0.00043	0.00159	0.00019	<4.57E-05	<9.41E-04	3,035,802	282,035	<2.66E+02	<3.08E+02	<1.54E-01
Non SEM Area								<4.37E-04	910,742	84,611	<3.70E+01	<4.29E+01	<2.14E-02
							Total		**12,905,294**	**1,198,941**	**<5.24E+02**	**<6.07E+02**	**<3.04E-01**

LD Yard			0.00070	0.00156	<4.09E-05	<3.41E-05	<7.22E-04
Road			0.00021	0.00280	0.00030	0.00063	0.0010

Site Emissions by Area	**(TPY)**
Exceedance Area	0.0176
Anomalous Area	<1.46E-02
Membrane	<4.19E-02
Interface	<3.39E-02
Non-Reaction Area	<1.74E-01

Flux Values (mg/m2-min)	
Site Average	<4.37E-04
Anomalous Area	<3.44E-04
Membrane Area	<2.16E-04
Interface Area	<5.17E-04
Non-Reaction Area	<5.33E-04
LD Yard	<7.22E-04
Road	0.0010

1,2-Dichloroethane
107-06-2

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<1.62E-05	<1.37E-05	<1.47E-05	<1.46E-05	<1.57E-05	314,524	29,220	<4.60E-01	<5.33E-01	<2.66E-04
Anomalous	High	240		<2.05E-05	<2.18E-05	<2.62E-05	<3.04E-05	<2.14E-05	160,494	14,910	<3.19E-01	<3.70E-01	<1.85E-04
Anomalous	Med	241		<1.46E-05	<1.58E-05	<1.70E-05	0.00979	<1.55E-05	199,305	18,516	<2.87E-01	<3.32E-01	<1.66E-04
Anomalous	Low	52		<2.47E-05	<2.77E-05	<2.92E-05	<1.74E-05	<2.71E-05	429,789	39,929	<1.08E+00	<1.25E+00	<6.27E-04
Membrane	High	173	M	<1.41E-05	<1.37E-05	<1.44E-05	<1.91E-05	<1.88E-05	617,983	57,413	<1.08E+00	<1.25E+00	<6.26E-04
Membrane	Med	69	M	<1.44E-05	<1.97E-05	<2.15E-05	<2.32E-05	<1.63E-05	1,136,035	105,541	<1.72E+00	<2.00E+00	<9.98E-04
Membrane	Low	177	M	<1.77E-05	<1.41E-05	<2.05E-05	<1.40E-05	<1.64E-05	1,842,278	171,153	<2.81E+00	<3.26E+00	<1.63E-03
Interface	High	36	P	<1.41E-05	<1.43E-05	<1.57E-05	<1.92E-05	<1.44E-05	175,968	16,348	<2.36E-01	<2.73E-01	<1.36E-04
Interface	Med	62	P	<1.78E-05	<1.70E-05	<2.02E-05	0.00424	<1.82E-05	374,465	34,789	<6.33E-01	<7.34E-01	<3.67E-04
Interface	Low	40	P	<1.58E-05	<1.41E-05	<1.39E-05	<1.44E-05	<1.54E-05	667,524	62,015	<9.53E-01	<1.10E+00	<5.52E-04
Non-Reaction Area	High	96		<2.07E-05	<2.15E-05	<1.92E-05	<1.73E-05	<2.06E-05	1,146,284	106,493	<2.19E+00	<2.54E+00	<1.27E-03
Non-Reaction Area	Med	220		<2.25E-05	<2.16E-05	<1.63E-05	<1.85E-05	<2.15E-05	1,894,101	175,968	<3.78E+00	<4.38E+00	<2.19E-03
Non-Reaction Area	Low	6		<1.46E-05	<1.70E-05	<1.39E-05	<2.26E-05	<1.60E-05	3,035,802	282,035	<4.50E+00	<5.22E+00	<2.61E-03
Non SEM Area								<1.80E-05	910,742	84,611	<1.52E+00	<1.76E+00	<8.82E-04
							Total		**12,905,294**	**1,198,941**	**<2.16E+01**	**<2.50E+01**	**<1.25E-02**

LD Yard			<1.77E-05	<1.73E-05	<2.02E-05	0.00173	<1.81E-05	
Road			<1.47E-05	<2.11E-05	<2.51E-05	<1.82E-05	<1.98E-05	

Site Emissions by Area	(TPY)
Exceedance Area	<2.66E-04
Anomalous Area	<9.78E-04
Membrane	<3.25E-03
Interface	<1.06E-03
Non-Reaction Area	<6.07E-03

Flux Values (mg/m2-min)	
Site Average	<1.80E-05
Anomalous Area	<2.30E-05
Membrane Area	<1.68E-05
Interface Area	<1.61E-05
Non-Reaction Area	<1.86E-05
LD Yard	<1.81E-05
Road	<1.98E-05

Chloroform
67-66-3

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<1.95E-05	<1.65E-05	<1.78E-05	<1.76E-05	<1.90E-05	314,524	29,220	<5.54E-01	<6.42E-01	<3.21E-04
Anomalous	High	240		0.00044	0.00082	0.00128	<3.67E-05	<5.89E-04	160,494	14,910	<8.79E+00	<1.02E+01	<5.09E-03
Anomalous	Med	241		<1.76E-05	<1.90E-05	<2.05E-05	<1.82E-05	<1.83E-05	199,305	18,516	<3.39E-01	<3.93E-01	<1.96E-04
Anomalous	Low	52		<2.98E-05	<3.33E-05	<3.52E-05	<2.09E-05	<3.27E-05	429,789	39,929	<1.30E+00	<1.51E+00	<7.56E-04
Membrane	High	173	M	<1.70E-05	<1.66E-05	<1.73E-05	<2.30E-05	<2.27E-05	617,983	57,413	<1.30E+00	<1.51E+00	<7.55E-04
Membrane	Med	69	M	<1.73E-05	<2.38E-05	<2.59E-05	<2.80E-05	<1.97E-05	1,136,035	105,541	<2.08E+00	<2.41E+00	<1.20E-03
Membrane	Low	177	M	<2.13E-05	<1.70E-05	<2.47E-05	<1.69E-05	<1.98E-05	1,842,278	171,153	<3.39E+00	<3.93E+00	<1.96E-03
Interface	High	36	P	<1.70E-05	0.00298	<1.90E-05	0.00536	<3.57E-04	175,968	16,348	<5.83E+00	<6.76E+00	<3.38E-03
Interface	Med	62	P	<2.15E-05	<2.04E-05	0.00043	<1.68E-05	<7.10E-05	374,465	34,789	<2.47E+00	<2.86E+00	<1.43E-03
Interface	Low	40	P	0.00018	0.00034	<1.68E-05	0.00175	<1.99E-04	667,524	62,015	<1.24E+01	<1.43E+01	<7.17E-03
Non-Reaction Area	High	96		<2.50E-05	<2.59E-05	0.00520	<2.09E-05	<7.64E-04	1,146,284	106,493	<8.14E+01	<9.43E+01	<4.72E-02
Non-Reaction Area	Med	220		<2.71E-05	<2.61E-05	<1.97E-05	<2.23E-05	<2.59E-05	1,894,101	175,968	<4.56E+00	<5.28E+00	<2.64E-03
Non-Reaction Area	Low	6		<1.76E-05	<2.05E-05	<1.68E-05	<2.72E-05	<1.93E-05	3,035,802	282,035	<5.43E+00	<6.29E+00	<3.15E-03
Non SEM Area								<1.16E-04	910,742	84,611	<9.86E+00	<1.14E+01	<5.71E-03
							Total		**12,905,294**	**1,198,941**	**<1.40E+02**	**<1.62E+02**	**<8.09E-02**

LD Yard			<2.14E-05	0.00042	0.00020	<2.03E-05	<9.46E-05	
Road			<1.77E-05	<2.55E-05	<3.03E-05	<2.19E-05	<2.38E-05	

Site Emissions by Area	(TPY)
Exceedance Area	<3.21E-04
Anomalous Area	<6.04E-03
Membrane	<3.92E-03
Interface	<1.20E-02
Non-Reaction Area	<5.29E-02

Flux Values (mg/m2-min)	
Site Average	<1.16E-04
Anomalous Area	<1.42E-04
Membrane Area	<2.03E-05
Interface Area	<1.83E-04
Non-Reaction Area	<1.62E-04
LD Yard	<9.46E-05
Road	<2.38E-05

Chloroethane

75-00-3

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<2.11E-05	<1.78E-05	<1.92E-05	<1.90E-05	<2.05E-05	314,524	29,220	<5.99E-01	<6.94E-01	<3.47E-04
Anomalous	High	240		<2.68E-05	<2.84E-05	<3.41E-05	<3.96E-05	<2.79E-05	160,494	14,910	<4.16E-01	<4.82E-01	<2.41E-04
Anomalous	Med	241		<1.90E-05	<2.05E-05	<2.21E-05	<1.96E-05	<1.98E-05	199,305	18,516	<3.66E-01	<4.24E-01	<2.12E-04
Anomalous	Low	52		<3.22E-05	<3.60E-05	<3.81E-05	<2.26E-05	<3.53E-05	429,789	39,929	<1.41E+00	<1.63E+00	<8.17E-04
Membrane	High	173	M	<1.84E-05	<1.79E-05	<1.87E-05	<2.49E-05	<2.45E-05	617,983	57,413	<1.41E+00	<1.63E+00	<8.16E-04
Membrane	Med	69	M	<1.87E-05	<2.57E-05	<2.80E-05	<3.03E-05	<2.13E-05	1,136,035	105,541	<2.24E+00	<2.60E+00	<1.30E-03
Membrane	Low	177	M	<2.30E-05	<1.84E-05	<2.67E-05	<1.83E-05	<2.14E-05	1,842,278	171,153	<3.66E+00	<4.24E+00	<2.12E-03
Interface	High	36	P	<1.84E-05	<1.86E-05	<2.05E-05	<2.50E-05	<1.88E-05	175,968	16,348	<3.07E-01	<3.56E-01	<1.78E-04
Interface	Med	62	P	<2.33E-05	<2.21E-05	<2.63E-05	<1.82E-05	<2.35E-05	374,465	34,789	<8.19E-01	<9.49E-01	<4.75E-04
Interface	Low	40	P	<2.06E-05	<1.83E-05	<1.82E-05	<1.87E-05	<2.00E-05	667,524	62,015	<1.24E+00	<1.44E+00	<7.19E-04
Non-Reaction Area	High	96		<2.70E-05	<2.80E-05	<2.50E-05	<2.26E-05	<2.68E-05	1,146,284	106,493	<2.86E+00	<3.31E+00	<1.66E-03
Non-Reaction Area	Med	220		<2.93E-05	<2.82E-05	<2.13E-05	<2.40E-05	<2.80E-05	1,894,101	175,968	<4.92E+00	<5.70E+00	<2.85E-03
Non-Reaction Area	Low	6		<1.90E-05	<2.21E-05	<1.81E-05	<2.94E-05	<2.08E-05	3,035,802	282,035	<5.87E+00	<6.80E+00	<3.40E-03
Non SEM Area								<2.34E-05	910,742	84,611	<1.98E+00	<2.30E+00	<1.15E-03
							Total		**12,905,294**	**1,198,941**	**<2.81E+01**	**<3.26E+01**	**<1.63E-02**

LD Yard			<2.31E-05	<2.26E-05	<2.63E-05	0.00214	<2.35E-05	
Road			<1.91E-05	<2.75E-05	<3.27E-05	<2.37E-05	<2.57E-05	

Site Emissions by Area	(TPY)
Exceedance Area	<3.47E-04
Anomalous Area	<1.27E-03
Membrane	<4.24E-03
Interface	<1.37E-03
Non-Reaction Area	<7.91E-03

Flux Values (mg/m2-min)	
Site Average	<2.34E-05
Anomalous Area	<2.99E-05
Membrane Area	<2.19E-05
Interface Area	<2.09E-05
Non-Reaction Area	<2.42E-05
LD Yard	<2.35E-05
Road	<2.57E-05

Propene - TO-14

115-07-1

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	0.00018	0.00014	0.00009	<4.13E-05	<1.66E-04	314,524	29,220	<4.86E+00	<5.63E+00	<2.81E-03
Anomalous	High	240		0.00052	0.00041	0.00033	0.01416	0.00049	160,494	14,910	7	8	0.004
Anomalous	Med	241		0.00019	<4.47E-05	0.00012	0.03122	<1.55E-04	199,305	18,516	<2.87E+00	<3.32E+00	<1.66E-03
Anomalous	Low	52		0.00050	0.00035	0.00021	0.00160	0.00036	429,789	39,929	14	17	0.008
Membrane	High	173	M	<4.00E-05	<3.89E-05	<4.07E-05	<5.41E-05	<5.34E-05	617,983	57,413	<3.07E+00	<3.55E+00	<1.78E-03
Membrane	Med	69	M	<4.07E-05	0.00025	0.00022	0.00017	<8.88E-05	1,136,035	105,541	<9.37E+00	<1.09E+01	<5.43E-03
Membrane	Low	177	M	<5.01E-05	<4.00E-05	<5.80E-05	0.00036	<1.07E-04	1,842,278	171,153	<1.83E+01	<2.13E+01	<1.06E-02
Interface	High	36	P	<4.00E-05	0.00011	<4.46E-05	0.00068	<4.87E-05	175,968	16,348	<7.96E-01	<9.22E-01	<4.61E-04
Interface	Med	62	P	<5.06E-05	<4.81E-05	0.00013	0.01660	<6.00E-05	374,465	34,789	<2.09E+00	<2.42E+00	<1.21E-03
Interface	Low	40	P	<4.48E-05	<3.99E-05	<3.95E-05	0.00035	<4.36E-05	667,524	62,015	<2.70E+00	<3.13E+00	<1.57E-03
Non-Reaction Area	High	96		0.00031	0.00014	0.00012	0.00016	0.00026	1,146,284	106,493	28	32	0.016
Non-Reaction Area	Med	220		<6.37E-05	<6.13E-05	0.00014	0.00085	<7.32E-05	1,894,101	175,968	<1.29E+01	<1.49E+01	<7.46E-03
Non-Reaction Area	Low	6		0.00044	<4.82E-05	<3.94E-05	0.00024	<2.36E-04	3,035,802	282,035	<6.66E+01	<7.72E+01	<3.86E-02
Non SEM Area								<1.55E-04	910,742	84,611	<1.31E+01	<1.52E+01	<7.61E-03
							Total		**12,905,294**	**1,198,941**	**<1.86E+02**	**<2.16E+02**	**<1.08E-01**

LD Yard			<5.03E-05	0.00018	0.00018	0.01000	<8.31E-05	
Road			0.00009	0.00024	<7.11E-05	0.00023	<1.57E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	<2.81E-03
Anomalous Area	<1.42E-02
Membrane	<1.78E-02
Interface	<3.24E-03
Non-Reaction Area	<6.22E-02

Flux Values (mg/m2-min)	
Site Average	<1.55E-04
Anomalous Area	<3.34E-04
Membrane Area	<9.21E-05
Interface Area	<4.94E-05
Non-Reaction Area	<1.90E-04
LD Yard	<8.31E-05
Road	<1.57E-04

Toluene TO-14
108-88-3

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<4.30E-05	<3.64E-05	<3.91E-05	<3.87E-05	<4.18E-05	314,524	29,220	<1.22E+00	<1.42E+00	<7.08E-04
Anomalous	High	240		0.00035	<5.80E-05	0.00031	0.02825	<3.06E-04	160,494	14,910	<4.57E+00	<5.29E+00	<2.65E-03
Anomalous	Med	241		0.00008	<4.19E-05	<4.51E-05	0.10905	<6.96E-05	199,305	18,516	<1.29E+00	<1.49E+00	<7.47E-04
Anomalous	Low	52		0.00041	<7.35E-05	<7.76E-05	0.01440	<2.00E-04	429,789	39,929	<7.98E+00	<9.24E+00	<4.62E-03
Membrane	High	173	M	<3.75E-05	<3.65E-05	<3.82E-05	<5.07E-05	<5.01E-05	617,983	57,413	<2.87E+00	<3.33E+00	<1.66E-03
Membrane	Med	69	M	<3.82E-05	<5.24E-05	<5.71E-05	0.00017	<5.21E-05	1,136,035	105,541	<5.50E+00	<6.37E+00	<3.19E-03
Membrane	Low	177	M	0.00048	<3.75E-05	<5.44E-05	0.00054	<2.73E-04	1,842,278	171,153	<4.68E+01	<5.42E+01	<2.71E-02
Interface	High	36	P	<3.75E-05	0.00017	0.00009	0.00101	<6.09E-05	175,968	16,348	<9.96E-01	<1.15E+00	<5.77E-04
Interface	Med	62	P	0.00018	<4.51E-05	<5.36E-05	0.00681	<1.55E-04	374,465	34,789	<5.38E+00	<6.24E+00	<3.12E-03
Interface	Low	40	P	<4.20E-05	0.00049	0.00011	0.00022	<1.28E-04	667,524	62,015	<7.91E+00	<9.16E+00	<4.58E-03
Non-Reaction Area	High	96		<5.51E-05	<5.72E-05	<5.10E-05	<4.61E-05	<5.47E-05	1,146,284	106,493	<5.83E+00	<6.75E+00	<3.38E-03
Non-Reaction Area	Med	220		<5.98E-05	<5.75E-05	<4.34E-05	0.00032	<5.71E-05	1,894,101	175,968	<1.00E+01	<1.16E+01	<5.82E-03
Non-Reaction Area	Low	6		<3.87E-05	<4.52E-05	<3.70E-05	<6.00E-05	<4.24E-05	3,035,802	282,035	<1.20E+01	<1.39E+01	<6.93E-03
Non SEM Area								<1.01E-04	910,742	84,611	<8.53E+00	<9.88E+00	<4.94E-03
							Total		**12,905,294**	**1,198,941**	**<1.21E+02**	**<1.40E+02**	**<7.00E-02**

LD Yard			<4.72E-05	<4.60E-05	<5.37E-05	0.00316	<4.79E-05	
Road			<3.90E-05	<5.61E-05	<6.67E-05	<4.82E-05	<5.25E-05	

Site Emissions by Area	**(TPY)**
Exceedance Area	<7.08E-04
Anomalous Area	<8.01E-03
Membrane	<3.19E-02
Interface	<8.28E-03
Non-Reaction Area	<1.61E-02

Flux Values (mg/m2-min)	
Site Average	<1.01E-04
Anomalous Area	<1.89E-04
Membrane Area	<1.65E-04
Interface Area	<1.26E-04
Non-Reaction Area	<4.93E-05
LD Yard	<4.79E-05
Road	<5.25E-05

Ethylbenzene TO-14
100-41-4

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<4.34E-05	<3.67E-05	<3.95E-05	<3.91E-05	<4.22E-05	314,524	29,220	<1.23E+00	<1.43E+00	<7.14E-04
Anomalous	High	240		0.00028	<5.85E-05	0.00027	0.02188	<2.48E-04	160,494	14,910	<3.70E+00	<4.29E+00	<2.15E-03
Anomalous	Med	241		<3.92E-05	<4.23E-05	<4.55E-05	0.05055	<4.23E-05	199,305	18,516	<7.84E-01	<9.08E-01	<4.54E-04
Anomalous	Low	52		0.00046	<7.42E-05	<7.83E-05	0.01867	<2.18E-04	429,789	39,929	<8.69E+00	<1.01E+01	<5.04E-03
Membrane	High	173	M	<3.78E-05	0.00012	<3.85E-05	<5.12E-05	<8.46E-05	617,983	57,413	<4.86E+00	<5.63E+00	<2.81E-03
Membrane	Med	69	M	<3.85E-05	<5.29E-05	<5.76E-05	<6.23E-05	<4.38E-05	1,136,035	105,541	<4.62E+00	<5.35E+00	<2.68E-03
Membrane	Low	177	M	0.00075	<3.79E-05	<5.49E-05	0.00031	<3.13E-04	1,842,278	171,153	<5.36E+01	<6.21E+01	<3.10E-02
Interface	High	36	P	<3.78E-05	<3.83E-05	<4.22E-05	0.00012	<3.86E-05	175,968	16,348	<6.32E-01	<7.32E-01	<3.66E-04
Interface	Med	62	P	<4.79E-05	<4.55E-05	0.00016	0.00367	<6.20E-05	374,465	34,789	<2.16E+00	<2.50E+00	<1.25E-03
Interface	Low	40	P	<4.24E-05	<3.77E-05	<3.74E-05	<3.86E-05	<4.12E-05	667,524	62,015	<2.56E+00	<2.96E+00	<1.48E-03
Non-Reaction Area	High	96		<5.56E-05	<5.77E-05	<5.15E-05	<4.65E-05	<5.52E-05	1,146,284	106,493	<5.88E+00	<6.81E+00	<3.41E-03
Non-Reaction Area	Med	220		0.00014	<5.80E-05	<4.37E-05	0.00020	<1.05E-04	1,894,101	175,968	<1.85E+01	<2.14E+01	<1.07E-02
Non-Reaction Area	Low	6		<3.90E-05	<4.56E-05	<3.73E-05	<6.06E-05	<4.28E-05	3,035,802	282,035	<1.21E+01	<1.40E+01	<7.00E-03
Non SEM Area								<1.07E-04	910,742	84,611	<9.05E+00	<1.05E+01	<5.24E-03
							Total		**12,905,294**	**1,198,941**	**<1.28E+02**	**<1.49E+02**	**<7.43E-02**
LD Yard				<4.76E-05	<4.64E-05	<5.42E-05	0.00399	<4.84E-05					
Road				0.00014	<5.66E-05	<6.73E-05	<4.87E-05	<7.90E-05					

Site Emissions by Area	(TPY)
Exceedance Area	<7.14E-04
Anomalous Area	<7.64E-03
Membrane	<3.65E-02
Interface	<3.10E-03
Non-Reaction Area	<2.11E-02

Flux Values (mg/m2-min)	
Site Average	<1.07E-04
Anomalous Area	<1.80E-04
Membrane Area	<1.89E-04
Interface Area	<4.72E-05
Non-Reaction Area	<6.45E-05
LD Yard	<4.84E-05
Road	<7.90E-05

Benzene TO-14

71-43-2

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<4.25E-05	<3.60E-05	<3.87E-05	<3.83E-05	<4.14E-05	314,524	29,220	<1.21E+00	<1.40E+00	<7.00E-04
Anomalous	High	240		<5.40E-05	<5.74E-05	0.00022	0.00111	<7.54E-05	160,494	14,910	<1.12E+00	<1.30E+00	<6.51E-04
Anomalous	Med	241		<3.84E-05	<4.14E-05	<4.46E-05	0.00622	<4.01E-05	199,305	18,516	<7.43E-01	<8.60E-01	<4.30E-04
Anomalous	Low	52		0.00052	<7.27E-05	<7.68E-05	0.00058	<2.42E-04	429,789	39,929	<9.64E+00	<1.12E+01	<5.59E-03
Membrane	High	173	M	0.00013	<3.61E-05	<3.78E-05	<5.02E-05	<6.63E-05	617,983	57,413	<3.81E+00	<4.41E+00	<2.21E-03
Membrane	Med	69	M	<3.78E-05	<5.18E-05	<5.65E-05	<6.11E-05	<4.29E-05	1,136,035	105,541	<4.53E+00	<5.25E+00	<2.62E-03
Membrane	Low	177	M	0.00104	0.00010	<5.38E-05	0.00054	<4.65E-04	1,842,278	171,153	<7.96E+01	<9.23E+01	<4.61E-02
Interface	High	36	P	<3.71E-05	<3.76E-05	<4.13E-05	0.00018	<3.79E-05	175,968	16,348	<6.19E-01	<7.18E-01	<3.59E-04
Interface	Med	62	P	<4.69E-05	0.00010	<5.30E-05	0.00297	<5.10E-05	374,465	34,789	<1.77E+00	<2.06E+00	<1.03E-03
Interface	Low	40	P	<4.16E-05	<3.70E-05	<3.67E-05	<3.78E-05	<4.04E-05	667,524	62,015	<2.51E+00	<2.90E+00	<1.45E-03
Non-Reaction Area	High	96		<5.45E-05	<5.66E-05	<5.05E-05	<4.56E-05	<5.41E-05	1,146,284	106,493	<5.77E+00	<6.68E+00	<3.34E-03
Non-Reaction Area	Med	220		<5.91E-05	<5.69E-05	<4.29E-05	0.00033	<5.65E-05	1,894,101	175,968	<9.93E+00	<1.15E+01	<5.76E-03
Non-Reaction Area	Low	6		<3.83E-05	<4.47E-05	<3.66E-05	<5.94E-05	<4.20E-05	3,035,802	282,035	<1.18E+01	<1.37E+01	<6.86E-03
Non SEM Area								<1.19E-04	910,742	84,611	<1.01E+01	<1.17E+01	<5.86E-03
							Total		**12,905,294**	**1,198,941**	**<1.43E+02**	**<1.66E+02**	**<8.30E-02**

LD Yard			<4.67E-05	0.00011	<5.32E-05	0.00293	<5.51E-05	
Road			<3.86E-05	0.00022	<6.60E-05	<4.77E-05	<9.22E-05	

Site Emissions by Area	**(TPY)**
Exceedance Area	<7.00E-04
Anomalous Area	<6.67E-03
Membrane	<5.10E-02
Interface	<2.84E-03
Non-Reaction Area	<1.60E-02

Flux Values (mg/m2-min)	
Site Average	<1.19E-04
Anomalous Area	<1.57E-04
Membrane Area	<2.63E-04
Interface Area	<4.33E-05
Non-Reaction Area	<4.88E-05
LD Yard	<5.51E-05
Road	<9.22E-05

Total Reduced Sulfurs

7783-06-4

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	0.0006	0.0002	0.0007	0.0003	0.0005	314,524	29,220	15	18	0.009
Anomalous	High	240		0.0004	0.0005	<2.25E-04	0.0124	<4.13E-04	160,494	14,910	<6.15E+00	<7.13E+00	<3.56E-03
Anomalous	Med	241		<1.26E-04	<1.36E-04	0.0004	0.5709	<1.89E-04	199,305	18,516	<3.50E+00	<4.05E+00	<2.03E-03
Anomalous	Low	52		<2.13E-04	<2.38E-04	0.0005	0.0004	<3.17E-04	429,789	39,929	<1.27E+01	<1.47E+01	<7.33E-03
Membrane	High	173	M	0.0004	0.0004	0.0004	0.0007	0.0006	617,983	57,413	32	37	0.019
Membrane	Med	69	M	<1.24E-04	<1.70E-04	<1.85E-04	0.0005	<1.64E-04	1,136,035	105,541	<1.73E+01	<2.00E+01	<1.00E-02
Membrane	Low	177	M	0.0017	0.0006	0.0006	<1.21E-04	<8.52E-04	1,842,278	171,153	<1.46E+02	<1.69E+02	<8.44E-02
Interface	High	36	P	<1.21E-04	<1.23E-04	<1.35E-04	<1.65E-04	<1.24E-04	175,968	16,348	<2.03E+00	<2.35E+00	<1.17E-03
Interface	Med	62	P	<1.54E-04	<1.46E-04	<1.74E-04	<1.20E-04	<1.56E-04	374,465	34,789	<5.41E+00	<6.27E+00	<3.13E-03
Interface	Low	40	P	<1.36E-04	<1.21E-04	<1.20E-04	<1.24E-04	<1.32E-04	667,524	62,015	<8.20E+00	<9.50E+00	<4.75E-03
Non-Reaction Area	High	96		0.0005	0.0005	0.0007	<1.49E-04	<5.34E-04	1,146,284	106,493	<5.69E+01	<6.59E+01	<3.29E-02
Non-Reaction Area	Med	220		<1.93E-04	<1.86E-04	<1.40E-04	<1.59E-04	<1.85E-04	1,894,101	175,968	<3.25E+01	<3.77E+01	<1.88E-02
Non-Reaction Area	Low	6		<1.25E-04	<1.46E-04	<1.20E-04	<1.94E-04	<1.37E-04	3,035,802	282,035	<3.87E+01	<4.49E+01	<2.24E-02
Non SEM Area								<3.38E-04	910,742	84,611	<2.86E+01	<3.31E+01	<1.66E-02
							Total		**12,905,294**	**1,198,941**	**<4.05E+02**	**<4.69E+02**	**<2.35E-01**

LD Yard	<1.53E-04	0.0004	<1.74E-04	<1.45E-04	<1.88E-04
Road	<1.26E-04	<1.82E-04	<2.16E-04	<1.56E-04	<1.70E-04

Site Emissions by Area	(TPY)
Exceedance Area	0.009
Anomalous Area	<1.29E-02
Membrane	<1.13E-01
Interface	<9.06E-03
Non-Reaction Area	<7.42E-02

Flux Values (mg/m2-min)	
Site Average	<3.38E-04
Anomalous Area	<3.04E-04
Membrane Area	<5.84E-04
Interface Area	<1.38E-04
Non-Reaction Area	<2.27E-04
LD Yard	<1.88E-04
Road	<1.70E-04

Hydrogen Sulfide
7783-06-4

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	0.0006	0.0002	0.0007	0.0003	0.0005	314,524	29,220	15	18	0.009
Anomalous	High	240		0.0004	0.0005	<2.25E-04	0.0007	<4.12E-04	160,494	14,910	<6.15E+00	<7.12E+00	<3.56E-03
Anomalous	Med	241		<1.26E-04	<1.36E-04	0.0004	0.4235	<1.84E-04	199,305	18,516	<3.41E+00	<3.95E+00	<1.98E-03
Anomalous	Low	52		<2.13E-04	<2.38E-04	0.0005	0.0004	<3.17E-04	429,789	39,929	<1.27E+01	<1.47E+01	<7.33E-03
Membrane	High	173	M	0.0004	0.0004	0.0004	0.0007	0.0006	617,983	57,413	32	37	0.019
Membrane	Med	69	M	<1.24E-04	<1.70E-04	<1.85E-04	0.0005	<1.64E-04	1,136,035	105,541	<1.73E+01	<2.00E+01	<1.00E-02
Membrane	Low	177	M	0.0017	0.0006	0.0006	<1.21E-04	<8.52E-04	1,842,278	171,153	<1.46E+02	<1.69E+02	<8.44E-02
Interface	High	36	P	<1.21E-04	<1.23E-04	<1.35E-04	<1.65E-04	<1.24E-04	175,968	16,348	<2.03E+00	<2.35E+00	<1.17E-03
Interface	Med	62	P	<1.54E-04	<1.46E-04	<1.74E-04	<1.20E-04	<1.56E-04	374,465	34,789	<5.41E+00	<6.27E+00	<3.13E-03
Interface	Low	40	P	<1.36E-04	<1.21E-04	<1.20E-04	<1.24E-04	<1.32E-04	667,524	62,015	<8.20E+00	<9.50E+00	<4.75E-03
Non-Reaction Area	High	96		0.0005	0.0005	0.0007	<1.49E-04	<5.34E-04	1,146,284	106,493	<5.69E+01	<6.59E+01	<3.29E-02
Non-Reaction Area	Med	220		<1.93E-04	<1.86E-04	<1.40E-04	<1.59E-04	<1.85E-04	1,894,101	175,968	<3.25E+01	<3.77E+01	<1.88E-02
Non-Reaction Area	Low	6		<1.25E-04	<1.46E-04	<1.20E-04	<1.94E-04	<1.37E-04	3,035,802	282,035	<3.87E+01	<4.49E+01	<2.24E-02
Non SEM Area								<3.38E-04	910,742	84,611	<2.86E+01	<3.31E+01	<1.66E-02
							Total		**12,905,294**	**1,198,941**	**<4.05E+02**	**<4.69E+02**	**<2.35E-01**

LD Yard	<1.53E-04	0.0004	<1.74E-04	<1.45E-04	<1.88E-04
Road	<1.26E-04	<1.82E-04	<2.16E-04	<1.56E-04	<1.70E-04

Site Emissions by Area	**(TPY)**
Exceedance Area	0.009
Anomalous Area	<1.29E-02
Membrane	<1.13E-01
Interface	<9.06E-03
Non-Reaction Area	<7.42E-02

Flux Values (mg/m2-min)	
Site Average	<3.38E-04
Anomalous Area	<3.03E-04
Membrane Area	<5.84E-04
Interface Area	<1.38E-04
Non-Reaction Area	<2.27E-04
LD Yard	<1.88E-04
Road	<1.70E-04

sec-Butyl Mercaptan / Thiophene

513-53-1

		Rep		Flux (mg/m2-min)					Area Rep		Emissions		
Category	**Subset**	**Cell**	**M?**	**Low**	**Med**	**High**	**Max**	**W Avg**	**(ft2)**	**(m2)**	**(mg/min)**	**(lbs/yr)**	**(TPY)**
Exceedance Area		175	M	<3.68E-04	<3.12E-04	<3.35E-04	<3.32E-04	<3.58E-04	314,524	29,220	<1.05E+01	<1.21E+01	<6.06E-03
Anomalous	High	240		<4.68E-04	<4.97E-04	<5.96E-04	0.0069	<4.88E-04	160,494	14,910	<7.27E+00	<8.43E+00	<4.21E-03
Anomalous	Med	241		<3.33E-04	<3.59E-04	<3.86E-04	0.1634	<3.51E-04	199,305	18,516	<6.50E+00	<7.53E+00	<3.76E-03
Anomalous	Low	52		<5.63E-04	<6.30E-04	<6.65E-04	<3.95E-04	<6.17E-04	429,789	39,929	<2.46E+01	<2.85E+01	<1.43E-02
Membrane	High	173	M	<3.21E-04	<3.13E-04	<3.27E-04	<4.35E-04	<4.29E-04	617,983	57,413	<2.46E+01	<2.85E+01	<1.43E-02
Membrane	Med	69	M	<3.27E-04	<4.49E-04	<4.89E-04	<5.29E-04	<3.72E-04	1,136,035	105,541	<3.92E+01	<4.54E+01	<2.27E-02
Membrane	Low	177	M	<4.02E-04	<3.22E-04	<4.66E-04	<3.20E-04	<3.74E-04	1,842,278	171,153	<6.40E+01	<7.41E+01	<3.71E-02
Interface	High	36	P	<3.21E-04	<3.25E-04	<3.58E-04	<4.37E-04	<3.28E-04	175,968	16,348	<5.36E+00	<6.22E+00	<3.11E-03
Interface	Med	62	P	<4.06E-04	<3.86E-04	<4.59E-04	<3.17E-04	<4.12E-04	374,465	34,789	<1.43E+01	<1.66E+01	<8.30E-03
Interface	Low	40	P	<3.60E-04	<3.20E-04	<3.18E-04	<3.28E-04	<3.50E-04	667,524	62,015	<2.17E+01	<2.51E+01	<1.26E-02
Non-Reaction Area	High	96		<4.72E-04	<4.90E-04	<4.37E-04	<3.95E-04	<4.69E-04	1,146,284	106,493	<4.99E+01	<5.79E+01	<2.89E-02
Non-Reaction Area	Med	220		<5.12E-04	<4.93E-04	<3.72E-04	<4.20E-04	<4.89E-04	1,894,101	175,968	<8.60E+01	<9.97E+01	<4.98E-02
Non-Reaction Area	Low	6		<3.31E-04	<3.87E-04	<3.17E-04	<5.14E-04	<3.64E-04	3,035,802	282,035	<1.03E+02	<1.19E+02	<5.94E-02
Non SEM Area								<4.10E-04	910,742	84,611	<3.47E+01	<4.02E+01	<2.01E-02
							Total		**12,905,294**	**1,198,941**	**<4.91E+02**	**<5.69E+02**	**<2.85E-01**

LD Yard			<4.04E-04	<3.94E-04	<4.60E-04	<3.84E-04	<4.10E-04
Road			<3.35E-04	<4.81E-04	<5.71E-04	<4.13E-04	<4.50E-04

Site Emissions by Area	**(TPY)**
Exceedance Area	<6.06E-03
Anomalous Area	<2.23E-02
Membrane	<7.41E-02
Interface	<2.40E-02
Non-Reaction Area	<1.38E-01

Flux Values (mg/m2-min)	
Site Average	<4.10E-04
Anomalous Area	<5.24E-04
Membrane Area	<3.83E-04
Interface Area	<3.66E-04
Non-Reaction Area	<4.22E-04
LD Yard	<4.10E-04
Road	<4.50E-04

Isopropyl Mercaptan

75-33-2

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<3.11E-04	<2.63E-04	<2.83E-04	<2.80E-04	<3.03E-04	314,524	29,220	<8.84E+00	<1.02E+01	<5.12E-03
Anomalous	High	240		<3.95E-04	<4.20E-04	<5.04E-04	0.0037	<4.12E-04	160,494	14,910	<6.14E+00	<7.12E+00	<3.56E-03
Anomalous	Med	241		<2.81E-04	<3.03E-04	<3.26E-04	0.1369	<2.96E-04	199,305	18,516	<5.49E+00	<6.36E+00	<3.18E-03
Anomalous	Low	52		<4.76E-04	<5.32E-04	<5.62E-04	<3.34E-04	<5.21E-04	429,789	39,929	<2.08E+01	<2.41E+01	<1.21E-02
Membrane	High	173	M	<2.71E-04	<2.64E-04	<2.76E-04	<3.67E-04	<3.62E-04	617,983	57,413	<2.08E+01	<2.41E+01	<1.20E-02
Membrane	Med	69	M	<2.76E-04	<3.79E-04	<4.13E-04	<4.47E-04	<3.14E-04	1,136,035	105,541	<3.31E+01	<3.84E+01	<1.92E-02
Membrane	Low	177	M	<3.40E-04	<2.72E-04	<3.94E-04	<2.70E-04	<3.16E-04	1,842,278	171,153	<5.40E+01	<6.26E+01	<3.13E-02
Interface	High	36	P	<2.71E-04	<2.75E-04	<3.02E-04	<3.69E-04	<2.77E-04	175,968	16,348	<4.53E+00	<5.25E+00	<2.62E-03
Interface	Med	62	P	<3.43E-04	<3.26E-04	<3.88E-04	<2.68E-04	<3.48E-04	374,465	34,789	<1.21E+01	<1.40E+01	<7.01E-03
Interface	Low	40	P	<3.04E-04	<2.71E-04	<2.68E-04	<2.77E-04	<2.96E-04	667,524	62,015	<1.83E+01	<2.12E+01	<1.06E-02
Non-Reaction Area	High	96		<3.98E-04	<4.14E-04	<3.69E-04	<3.33E-04	<3.96E-04	1,146,284	106,493	<4.22E+01	<4.89E+01	<2.44E-02
Non-Reaction Area	Med	220		<4.32E-04	<4.16E-04	<3.14E-04	<3.55E-04	<4.13E-04	1,894,101	175,968	<7.26E+01	<8.42E+01	<4.21E-02
Non-Reaction Area	Low	6		<2.80E-04	<3.27E-04	<2.68E-04	<4.34E-04	<3.07E-04	3,035,802	282,035	<8.66E+01	<1.00E+02	<5.02E-02
Non SEM Area								<3.46E-04	910,742	84,611	<2.93E+01	<3.39E+01	<1.70E-02
							Total		**12,905,294**	**1,198,941**	**<4.15E+02**	**<4.81E+02**	**<2.40E-01**

LD Yard	<3.41E-04	<3.33E-04	<3.89E-04	<3.24E-04	<3.46E-04	
Road	<2.82E-04	<4.06E-04	<4.82E-04	<3.49E-04	<3.80E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	<5.12E-03
Anomalous Area	<1.88E-02
Membrane	<6.25E-02
Interface	<2.02E-02
Non-Reaction Area	<1.17E-01

Flux Values (mg/m2-min)	
Site Average	<3.46E-04
Anomalous Area	<4.42E-04
Membrane Area	<3.23E-04
Interface Area	<3.09E-04
Non-Reaction Area	<3.57E-04
LD Yard	<3.46E-04
Road	<3.80E-04

Methyl Mercaptan

74-93-1

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<1.96E-04	<1.66E-04	<1.79E-04	<1.77E-04	<1.91E-04	314,524	29,220	<5.58E+00	<6.47E+00	<3.24E-03
Anomalous	High	240		<2.50E-04	<2.65E-04	<3.18E-04	<3.69E-04	<2.60E-04	160,494	14,910	<3.88E+00	<4.49E+00	<2.25E-03
Anomalous	Med	241		<1.77E-04	<1.91E-04	<2.06E-04	0.0020	<1.84E-04	199,305	18,516	<3.41E+00	<3.96E+00	<1.98E-03
Anomalous	Low	52		<3.00E-04	<3.36E-04	<3.55E-04	<2.11E-04	<3.29E-04	429,789	39,929	<1.31E+01	<1.52E+01	<7.61E-03
Membrane	High	173	M	<1.71E-04	<1.67E-04	<1.75E-04	<2.32E-04	<2.29E-04	617,983	57,413	<1.31E+01	<1.52E+01	<7.61E-03
Membrane	Med	69	M	<1.75E-04	<2.40E-04	<2.61E-04	<2.82E-04	<1.98E-04	1,136,035	105,541	<2.09E+01	<2.42E+01	<1.21E-02
Membrane	Low	177	M	<2.15E-04	<1.72E-04	<2.49E-04	<1.71E-04	<1.99E-04	1,842,278	171,153	<3.41E+01	<3.95E+01	<1.98E-02
Interface	High	36	P	<1.71E-04	<1.74E-04	<1.91E-04	<2.33E-04	<1.75E-04	175,968	16,348	<2.86E+00	<3.32E+00	<1.66E-03
Interface	Med	62	P	<2.17E-04	<2.06E-04	<2.45E-04	<1.69E-04	<2.20E-04	374,465	34,789	<7.64E+00	<8.85E+00	<4.43E-03
Interface	Low	40	P	<1.92E-04	<1.71E-04	<1.69E-04	<1.75E-04	<1.87E-04	667,524	62,015	<1.16E+01	<1.34E+01	<6.71E-03
Non-Reaction Area	High	96		<2.52E-04	<2.61E-04	<2.33E-04	<2.10E-04	<2.50E-04	1,146,284	106,493	<2.66E+01	<3.09E+01	<1.54E-02
Non-Reaction Area	Med	220		<2.73E-04	<2.63E-04	<1.98E-04	<2.24E-04	<2.61E-04	1,894,101	175,968	<4.59E+01	<5.32E+01	<2.66E-02
Non-Reaction Area	Low	6		<1.77E-04	<2.06E-04	<1.69E-04	<2.74E-04	<1.94E-04	3,035,802	282,035	<5.47E+01	<6.34E+01	<3.17E-02
Non SEM Area								<2.19E-04	910,742	84,611	<1.85E+01	<2.14E+01	<1.07E-02
							Total		**12,905,294**	**1,198,941**	**<2.62E+02**	**<3.04E+02**	**<1.52E-01**

LD Yard			<2.16E-04	<2.10E-04	<2.46E-04	<2.05E-04	<2.19E-04	
Road			<1.78E-04	<2.56E-04	<3.05E-04	<2.21E-04	<2.40E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	<3.24E-03
Anomalous Area	<1.18E-02
Membrane	<3.95E-02
Interface	<1.28E-02
Non-Reaction Area	<7.37E-02

Flux Values (mg/m2-min)	
Site Average	<2.19E-04
Anomalous Area	<2.79E-04
Membrane Area	<2.04E-04
Interface Area	<1.95E-04
Non-Reaction Area	<2.25E-04
LD Yard	<2.19E-04
Road	<2.40E-04

Dimethyl Sulfide

75-18-3

Category	Subset	Rep Cell	M?	Flux (mg/m2-min) Low	Med	High	Max	W Avg	Area Rep (ft2)	(m2)	Emissions (mg/min)	(lbs/yr)	(TPY)
Exceedance Area		175	M	<2.54E-04	<2.15E-04	<2.31E-04	<2.29E-04	<2.47E-04	314,524	29,220	<7.21E+00	<8.36E+00	<4.18E-03
Anomalous	High	240		<3.22E-04	<3.42E-04	<4.11E-04	<4.77E-04	<3.36E-04	160,494	14,910	<5.01E+00	<5.80E+00	<2.90E-03
Anomalous	Med	241		<2.29E-04	<2.47E-04	<2.66E-04	0.0005	<2.38E-04	199,305	18,516	<4.41E+00	<5.11E+00	<2.55E-03
Anomalous	Low	52		<3.88E-04	<4.34E-04	<4.58E-04	<2.72E-04	<4.25E-04	429,789	39,929	<1.70E+01	<1.97E+01	<9.83E-03
Membrane	High	173	M	<2.21E-04	<2.15E-04	<2.25E-04	<3.00E-04	<2.95E-04	617,983	57,413	<1.70E+01	<1.97E+01	<9.83E-03
Membrane	Med	69	M	<2.25E-04	<3.09E-04	<3.37E-04	<3.65E-04	<2.56E-04	1,136,035	105,541	<2.70E+01	<3.13E+01	<1.57E-02
Membrane	Low	177	M	<2.77E-04	<2.22E-04	<3.21E-04	<2.20E-04	<2.58E-04	1,842,278	171,153	<4.41E+01	<5.11E+01	<2.55E-02
Interface	High	36	P	<2.21E-04	<2.24E-04	<2.47E-04	<3.01E-04	<2.26E-04	175,968	16,348	<3.70E+00	<4.28E+00	<2.14E-03
Interface	Med	62	P	<2.80E-04	<2.66E-04	<3.16E-04	<2.19E-04	<2.84E-04	374,465	34,789	<9.86E+00	<1.14E+01	<5.72E-03
Interface	Low	40	P	<2.48E-04	<2.21E-04	<2.19E-04	<2.26E-04	<2.41E-04	667,524	62,015	<1.50E+01	<1.73E+01	<8.66E-03
Non-Reaction Area	High	96		<3.25E-04	<3.37E-04	<3.01E-04	<2.72E-04	<3.23E-04	1,146,284	106,493	<3.44E+01	<3.99E+01	<1.99E-02
Non-Reaction Area	Med	220		<3.53E-04	<3.39E-04	<2.56E-04	<2.90E-04	<3.37E-04	1,894,101	175,968	<5.93E+01	<6.87E+01	<3.43E-02
Non-Reaction Area	Low	6		<2.28E-04	<2.67E-04	<2.18E-04	<3.54E-04	<2.50E-04	3,035,802	282,035	<7.06E+01	<8.19E+01	<4.09E-02
Non SEM Area								<2.82E-04	910,742	84,611	<2.39E+01	<2.77E+01	<1.38E-02
							Total		**12,905,294**	**1,198,941**	**<3.38E+02**	**<3.92E+02**	**<1.96E-01**

LD Yard			<2.78E-04	<2.72E-04	<3.17E-04	<2.64E-04	<2.82E-04	
Road			<2.30E-04	<3.31E-04	<3.94E-04	<2.85E-04	<3.10E-04	

Site Emissions by Area	**(TPY)**
Exceedance Area	<4.18E-03
Anomalous Area	<1.53E-02
Membrane	<5.10E-02
Interface	<1.65E-02
Non-Reaction Area	<9.52E-02

Flux Values (mg/m2-min)	
Site Average	<2.82E-04
Anomalous Area	<3.60E-04
Membrane Area	<2.64E-04
Interface Area	<2.52E-04
Non-Reaction Area	<2.91E-04
LD Yard	<2.82E-04
Road	<3.10E-04

Attachment 1
Data Validation Technical Memorandum
A. Emission Measurement Data Sheets
B. Chain of Custody
C. Lab Reports
D. Calibration Data

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TECHNICAL MEMORANDUM
TEST EVENT #8: Flux Chamber Assessment of Air Emissions from the Chiquita Canyon Landfill Located in Castaic, California



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September 2026

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Attachments

A - Emissions Measurement Data Sheets
B - Chain of Custody
C - Lab Reports
D - Calibration Records

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EXECUTIVE SUMMARY

This Technical Memorandum documents the eighth air emissions testing event (July 2026). Field measurements were conducted by landfill screening experts at the Chiquita Canyon Landfill (Landfill) facility located at 29201 Henry Mayo Drive, Castaic, California in March 2026, to measure surface air emissions from the Landfill. Testing was performed using field screening for methane at the surface and following screening, in-depth area source testing using the U.S. Environmental Protection Agency (USEPA) surface emission isolation flux chamber technology as per the USEPA Guidance protocol (February 1986). This USEPA document provides the guidance for constructing and operating an agency approved area source measurement technology. The average flux (in units of mass per time per unit area) of surface emissions were calculated per category of grid cell (*i.e*., low, medium, high, exceedance) per type of landfill area (*i.e*., non-reaction area, membrane area, interface area, exceedance area, or anomalous cell area) as defined in the Assessment of Air Emissions from Landfill Surfaces (Emissions Report). These grid cell flux data multiplied by the number of grid cells in these categories when summed represent the air emissions of compounds from the Landfill surface.

The methane surface screening was conducted in similar fashion as to the USEPA New Source Performance Standards (NSPS) Title 40 Code of Federal Regulations (CFR) Part 60.755 (c) and (d), and CFR Part 60, Appendix A, Method 21 and the surface emissions monitoring (SEM) requirements contained within the California AB 32 Landfill Methane Rule (LMR) under Title 17 California Code of Regulations. The screening utilized the same grid system as is used in the Landfill regular South Coast Air Quality Management District (SCAQMD) Rule 1150.1 surface emissions monitoring, which consists of nominal one acre grid cells (approximately 50,000 square feet). A total vapor analyzer (TVA) instrument fit with a flame ionization detector (FID) was used along with global positioning system (GPS) location recording to map fugitive surface emissions in each grid cell.

As described in the Emissions Report, methane screening was performed by recording data along a traverse pattern that is spaced at 25 feet over the Landfill grid cells. Concentration data and location information was collected and used to generate integrated or average screening concentration of each grid cell. Grid cells within a category of interest were then ranked and divided into three groups: low emission, medium emission, and high emission per study area (*e.g*., membrane area, non-reaction area, interface area, etc.). Grid cells were selected for testing as described in the Emissions Report. The selected grid cells were screened on a point-by-point basis and representative low, medium, high, and the highest emission locations were selected for flux chamber testing. Samples collected from the flux chamber were sent offsite for laboratory

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analysis. Note that an additional area was investigated and tested using the same screening and testing technologies as the other grid cells. A section of one of the dirt/gravel roads and an area called the Lay Down Yard on-site was tested in order to provide emission rate data from roads and this working yard as potential air emission sources.

A summary of the sampling program and testing efforts is provided below.

SOURCE	CATEGORY	SAMPLES
Grid Cell 175	Exceedance Area	4
Grid Cell 173	Membrane	4
Grid Cell 177	Membrane	4
Grid Cell 241	Anomalous	4
Grid Cell 240	Anomalous	4
Grid Cell 52	Anomalous	4
Grid Cell 69	Membrane	4
Lay Down Yard	Lay Down Yard	4
Road	Road	4
Grid Cell 36	Interface	4
Grid Cell 40	Interface	4
Grid Cell 62	Interface	4
Grid Cell 220	Non-Reaction Area	4
Grid Cell 96	Non-Reaction Area	4
Grid Cell 6	Non-Reaction Area	4
Blanks	Blanks	5
Replicates	Replicates	5
TOTAL	TOTAL	70

The samples collected from the flux chamber for each location were used to calculate air emissions. The sample concentration data (mass per time) as received from the labs were reviewed, quality control (QC) data checks were performed, and tables were composed for total non-methane hydrocarbon compounds (TNMHC, C1), hydrocarbon species, hazardous air pollutants (HAPs), sulfur containing compounds, fixed gases (CO2, hydrogen, CH4), and trace gas species 1,1-difluoroethane (1,1-DFA, advective flow determination). This Technical Memorandum reports flux data for these study compounds along with the QC evaluation. Emission estimates for the study compounds are provided in the Emissions Report.

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I. INTRODUCTION

This technical memorandum describes the field testing that was conducted to characterize surface or fugitive air emissions. The Landfill site is located in Castaic, California. As discussed in more detail in the Emissions Report, testing was conducted on July 20-24, 2026 by Dr. C.E. Schmidt, Mr. Tom Card, Mr. Josh Abbey, and Mr. Rich Wharton supported by a SCS Engineers sub-contractor, who performed landfill surface screening for methane prior to the test dates and during the testing program. Preparation for testing included submitting a Sampling Protocol (SP) that was approved by SCS Engineers and representatives of the South Coast Air Quality Management District (SCAQMD). A SCAQMD representative was present for a portion of the testing event.

The objective of the overall flux chamber study was to measure fugitive air emissions from grid cells that represented areas of the Landfill affected by the subsurface reaction (membrane, membrane/soil cover interface, and exceedance areas, working yard) as well as from areas unaffected by the reaction (non-reaction areas, road), as defined in the Emissions Report. The study was conducted by selecting representative test locations and conducting quantitative analysis of air emissions producing representative air emissions data.

This memorandum includes a discussion of the testing methodology, quality control procedures, and results. This memorandum only reports flux data per study compound and location.

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II. TEST METHODOLOGY

This section describes the methodologies used in the study for flux chamber testing, including evacuated canister and Tedlar® bag sample collection. Screening was performed in a fashion similar to the NSPS landfill screening protocol with additional criteria derived from the California LMR. Testing for surface flux was conducted using the USEPA recommended Surface Isolation Flux Chamber (USEPA, Radian Corporation, February 1986). Flux chamber sampling was performed on pre-selected Landfill grids as described in the Emissions Report and as directed by the SP.

Flux Chamber Sampling

As described in the USEPA User's Guide (February 1986), the flux chamber is an environmental or portable chamber also known as a mixed-tank reactor that is used to measure the 'flux' (mass transfer of study compounds per surface area of area source per time). Ultra-high purity air (sweep air) from a compressed air cylinder is regulated and added to the flux chamber at a flow of 5 liters per minute (lpm) until the chamber contents are well mixed. The chamber is a 'vented' chamber which releases or exhausts the chamber gas through the pressure equalization port in the top of the chamber to the atmosphere which keeps the chamber contents at atmospheric pressure during the measurement. Chamber mixing is described by a number of 'residence times.' A residence time in the chamber is determined by dividing the chamber volume by the sweep air flow rate. Following the User's Guide and with a chamber volume of 30 liters, the residence time is 6 minutes. Proper mixing in the chamber is achieved after five residence times or 30 minutes. After mixing, or after the chamber contents (sweep air plus compounds emitted into the chamber) are at equilibrium, gas samples are collected per regulatory approved methods described in the SP. Knowing the sweep air flow rate (5 lpm) plus any advective flow from the source, the area of the flux chamber on the test site (0.13 square meters), and the concentration of the study compounds, the flux of study compounds can be calculated (units of milligrams per square meter per minute, mg/m2,min). This Technical Memorandum reports directly measured flux data for the study compounds that are used in the Emissions Report.

The basic operation of the flux chamber involved the following:

1. Identifying the test area or test surface
2. Initiating sweep gas flow rate to the flux chamber
3. Operating the chamber for at least five residence times (30 minutes)
4. Collecting sample gas from the chamber for analysis
5. Decontaminating the chamber
6. Relocating the measurement equipment to the next test area

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The specific operating protocol for flux chamber sampling was as follows:

1. Locate the flux chamber, sweep gas, sample collection equipment, and field documents at the test location.
2. Document site information, location information, equipment information, name of sampler, date, and time on the Emissions Measurement Data Sheets. (The data sheets are provided in Attachment A.)
3. Place the chamber approximately 1/4 inch into test surface at the test locations selected as described in the Emissions Report. Seal the chamber along the base to prevent air infiltration- sealing on membrane cover using clean fill soil making a barrier to air flow. Place thermocouples to monitor soil and air temperature inside and outside of the chamber.
4. Initiate the sweep gas flow rate and set the rotometer at 5.0 lpm. Maintain a constant sweep gas flow rate. Record time.
5. Collect instrument background data (thermocouple) and other parameters (see Emissions Measurement Data Sheets) and record data.
6. Connect the purge pump to the chamber. Purge the sample line from the flux chamber without exceeding the line purge rate (or sample gas collection rate) of 2.5 lpm; this prevents entraining of ambient air into the chamber.
7. Operate the chamber sweep air flow rate at 5.0 lpm and record data every residence time (6 minutes) for five residence times or 30 minutes. Record the flow rate and time data. Maintain the chamber at steady state. Purge the sample line and Tedlar bags from the flux chamber with at least 10 line-volumes of air as part of the odor bag sampling protocol using the decompression lung device, preparing the sample line for the balance of the sample media collection.
8. Connect the sample media sequentially (sulfur bag, and evacuated canister) to the purged sample line and collect the gas sample. Do not exceed a collection rate of 2.5 lpm at any time to prevent unwanted dilution of chamber exhaust gas by ambient air. Both the odor and sulfur bags are purged prior to sample collection; the evacuated canister is not purged.
9. Label sample bag and record sample collection on the data sheet.
10. Store the sample(s) in the appropriate storage and/or shipping container as specified in the SP.
11. Document sample collection in field data sheets (see Attachment A).
12. Discontinue the flux measurement, shut off the sweep air, remove chamber, and secure equipment.

13. Decontaminate the chamber where contact was made with the liquid or solid material using a clean paper towel and water (if needed) to remove any soil and condensation from the inside of the chamber.
14. Relocate equipment to the next test location and repeat steps 1 through 13.

Tedlar® Bag Sampling
Grab samples using Tedlar® bags were collected from the sample line from the flux chamber at steady-state conditions (five residence times) for analysis for sulfur containing species. Sampling rate was maintained at less than 2.5 lpm from the flux chamber. Bag samples were collected by connecting the sampling line from the flux chamber using 1/4-inch Swage-lock® fittings fit inside the decompression lung or pressure fittings, drawing a vacuum on the decompression lung, and filling the Tedlar® bag. Both sulfur bags (a, b) were purged and evacuated prior to sample collection in order to minimize sample bag interaction. Note two Tedlar bags were collected for sulfur species analysis according to the method.

Canister Sampling
Grab samples using Summa® polished, evacuated stainless steel canisters were collected from the exhaust line of the flux chamber at steady-state conditions for speciation by gas chromatography. Sampling rate was maintained at less than 2.5 lpm from the flux chamber. Canister samples were collected by connecting the canister to the sampling line from the flux chamber using 1/4-inch Swage-lock® fittings, drawing a vacuum from the canister and filling the canister. All canisters were batch certified by the laboratory according to USEPA Methods TO-15/TO-12/fixed gases/1,1-DFA trace gas and sampled to full capacity (atmospheric pressure).

III. QUALITY CONTROL

Control procedures that were used to assure that data of sufficient quality resulted from the flux chamber study are listed and described below. The application and frequency of these procedures were developed to meet the program data quality objectives as described in the SP for all analytical methods used in this study. Method detection limits for all sample data are provided in the attached laboratory reports.

Field Documentation – A field notebook containing data forms, including sample chain-of-custody (COC) forms, was maintained for the testing program. Attachment A contains the Emissions Measurement Data Sheets.

Chain-of-Custody – COC forms were used for field data collection. Field data were recorded on the COC forms provided in Attachment B. Calibration records and certifications are found in

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Attachment D.

Total VOC as TNMHC by Analysis by USEPA Method TO-12, C1

Method QC Requirements – Method QC procedures were completed as per method requirements. These data are reported in the method specific lab reports (footnoted as applicable on the lab report showing compliance with the methods).

Laboratory Method Blank – A total of 16 laboratory method blank samples were performed by the laboratory. TNMHC compounds were not detected in the blank samples at the method detection limit (MDL) level of about 45 ppbV. These data indicate acceptable method performance.

Laboratory Precision – A total of 14 laboratory control duplicate (LCD) samples including nine compounds were performed by the laboratory. The LCD samples were reported within the criteria of less than 25% except for one sample that had one compound (1,3,5-trimethylbenzene) out of criteria. These data indicate acceptable method performance.

Laboratory Accuracy – A total of 14 laboratory control sample (LCS) or blank spike samples including nine compounds were performed by the laboratory. The LCS samples were reported within the criteria of 70-to-130 percent recovery except for one sample that had one compound (1,3,5-trimethylbenzene) out of criteria. These data indicate acceptable method performance.

Field System Blank – Five media (field) blank samples were prepared in the field (T-114, -214, -314, -414, -514) and were analyzed as field samples (blind QC sample). Field blanks were prepared by filling the sampling media with ultra high purity air in the field and treated as a field sample. All five field blank samples show non-detect (MDL 30 ppbv). These data demonstrate acceptable method performance.

Field Method Precision – Five field samples were collected in replicate (second sample taken immediately after the first sample for method precision data) and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512/-513). The range of sample/replicate pairs was 17 to 40 with an average RPD of 23 (QC criteria 50 RPD). No sample/replicate pairs exceeded criteria at 50 RPD. These data demonstrate acceptable method performance.

Hydrocarbon Species Analysis by USEPA Method TO-14

Method QC Requirements – Method QC procedures were completed as per method requirements. These data are reported in the method specific lab reports (footnoted as applicable on the lab report showing compliance with the methods).

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Laboratory Method Blank – A total of 16 laboratory method blank samples were performed by the laboratory. Hydrocarbon compounds (full list) were not detected in the blank samples at the method detection limit (MDL) level of 6 ug/m3 to 7 ug/m3. These data indicate acceptable method performance.

Laboratory Precision – A total of 14 laboratory control duplicate (LCD) samples including nine compounds were performed by the laboratory. The LCD samples were reported within the criteria of less than 25% except for one sample that had one compound (1,3,5-trimethylbenzene) out of criteria. These data indicate acceptable method performance.

Laboratory Accuracy – A total of 14 laboratory control sample (LCS) or blank spike samples including nine compounds were performed by the laboratory. The LCS samples were reported within the criteria of 70-to-130 percent recovery except for one sample that had one compound (1,3,5-trimethylbenzene) out of criteria. These data indicate acceptable method performance.

Field System Blank –Five media (field) blank samples were prepared in the field (T-114, -214, -314, -414, -514) and were analyzed as field samples (blind QC sample). Field blanks were prepared by filling the sampling media with ultra high purity air in the field and treated as a field sample. Three of five field blank samples showed non-detect, and two of the five field blank samples showed up to three compounds, all less than reporting limits or 'J' flagged concentrations: T-214 propene 5.3J ug/m3, propane 6.09J ug/m3, and n-hexane 2.91Jug/m3, and T-414 ethane 4.42J ug/m3 and propane 6.09J ug/m3. None of these detects are above the reporting limits. These data demonstrate acceptable method performance.

Field Method Precision – Five field samples were collected in replicate (second sample taken immediately after the first sample for method precision data) and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512/-513). Sample/replicate pair (T-113/-114 had 3 detections above J value limits with 1 of 3 pairs exceeding RPD criteria, a range of RPD of 40 to 69, and an average RPD of 53. Sample/replicate pair T-212/-213 had 30 detections above J value limits with 5 of 30 pairs exceeding RPD criteria, a range of RPD of 5.2 to 94, and an average RPD of 33. Sample/replicate pair T-313/-314 had one detection above J value limits with one of one pair exceeding RPD criteria. Sample/replicate pair T-412/-413 had 13 detections above J value limits with 2 of 13 pairs exceeding RPD criteria, a range of RPD of 5.2 to 44, and an average RPD of 44. And sample/replicate pair T-512/-513 had one detection above J value limits not exceeding RPD criteria a RPD of 37. Although many compounds were detected, in this precision sample set, many were reported above detection limits but less than reporting limits and assigned 'J' value data flags. Only the sample/replicate pairs with response both greater than

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reporting limits (not 'J' value flagged) were used in evaluating field precision. Given the low values (less precise and below reporting limits) and the large number of compounds reported in some samples (compound peak separation poor), the precision was poor for this sample/replicate data set. However, since the laboratory method precision criteria were acceptable, the field precision data although poor, do not indicate a systematic problem with the TO-14 analysis. As such, these data demonstrate acceptable method performance.

Individual HAP Analysis by USEPA Method TO-15

Method QC Requirements – Method QC procedures were completed as per method requirements including recovery of surrogate compounds. These data are reported in the method specific lab reports.

Laboratory Method Blank – A total of nine laboratory method blank samples were performed by the laboratory. No compounds were detected in the blank samples above the compound specific MDL levels (range of about 2-to-26 ug/m^3) with the exception of propylene found in three of the nine samples with a range of 0.82J ug/m3 to 1.54J ug/m3. These data indicate acceptable method performance.

Precision – A total of nine laboratory LCD samples including 18 compounds were performed by the laboratory. All LCD samples were reported within the criteria of less than 25%. These data indicate acceptable method performance.

Laboratory Accuracy – A total of nine laboratory LCS samples including 18 compounds were performed by the laboratory. All LCS samples were reported within the criteria of 70-to-130 percent recovery. These data indicate acceptable method performance.

Field System Blank – Five media (field) blank samples were prepared in the field (T-114, -214, -314, -414, -514) and were analyzed as a field sample (blind QC sample). Field blanks were prepared by filling the sampling media with ultra high purity air in the field and treated as a field sample. Only one sample, T-414, had one compound (acetone) above method detection limit (MDL) at 9.72 ug/m3. No other compounds were detected above MDL (range of 1.4 to 26 ug/m^3) in the five field blank samples. However four other compounds including propylene, hexane, benzene, and isopropyl toluene were found reported as 'J' values or below MDL in one or more of the blanks, including: T-114 propylene 1.46J ug/m3 and hexane 3.02J ug/m3; T-214 propylene 1.45J ug/m3; T-314 propylene 0.95J ug/m3; T-414 propylene 1.61J ug/me, acetone 5.35J ug/m3; T-414 propylene 1.61J ug/m3 and benzene 5.26J ug/m3; and T-514 acetone 4.82J ug/m3 and isopropyl toluene 4.83J ug/m3. These data demonstrate acceptable method performance.

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Field Method Precision – Five field samples were collected in replicate and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512/-513), the second sample taken immediately after the first sample for method precision data. The sample/replicate pair T-112/-113 showed 17 compound pairs above reporting limits with a RPD range of 0.64 to 29, average RPD 11, and no compound pairs exceeded criteria (RPD 50). The sample/replicate pair T-212/-213 showed 32 compound pairs above reporting limits with a RPD range of 0.21 to 33, average RPD of 6.7 and no compound pairs exceeded criteria (RPD 50). The sample/replicate pair T-312/-313 showed 12 compound pairs above reporting limits with a RPD range of 2.0 to 63, average RPD of 37 and 4 of 12 compound pairs exceeded criteria (RPD 50). The sample/replicate pair T-412/-413 showed 30 compound pairs above reporting limits with a RPD range of 0.69 to 159, average RPD of 33 and 5 compound pairs exceeded criteria (RPD 50). The sample/replicate pair T-512/-513 showed 7 compound pairs above reporting limits with a RPD range of 3.7 to 60, average RPD of 24 and one compound pair exceeded criteria (RPD 50). There was a higher number of RPD exceedances in this data set but there was also a larger number of compounds detected with often high level and low level detections in these samples, which always affects field replicate sample precision. Note that the average RPD for the sample/replicate pairs all were within criteria. Overall, these data demonstrate acceptable method performance.

SCAQMD 307.91 Analysis for Hydrogen Sulfide

Method QC Requirements – Method QC procedures were completed as per method requirements. These data are reported in the method specific lab reports. Twenty QC standard QC data sets were run in total (four each on five batches) on the samples for the instrument used in analyzing the samples; four runs on the first two batches each and two on the third batch of samples. In summary, the opening calibration verification standard and duplicate analysis QC (95%-105%, <5 RPD), method blank QC (<pql), standard and duplicate standard analysis QC (95%-105%, <10%), matrix spike/ QC (<10%), and closing calibration curve verification standard QC (90-110%) for both instruments used in the analyses were within the method requirements. These data indicate acceptable performance. Note that each sample was collected in duplicate (a, b) and samples indicated with a sample ID of 'a' were analyzed.

Field System Blank – Five media (field) blank samples were prepared in the field (S-114, S-214, S-314, S-414, S-514) and were analyzed as field samples (blind QC sample). Field blanks were prepared by filling the sampling media with ultra high purity air in the field and treated as a field sample. Hydrogen sulfide and other reduced sulfur compounds were not detected in the five blank samples at a level of 0.005 ppmv. These data demonstrate acceptable method performance.

Field Method Precision – Five field samples were collected in replicate and analyzed for the flux chamber testing (S-112/-113, S-212/-213, S-312/-313, S-412/-413, S-512/-513), the second

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sample taken immediately after the first sample for method precision data. All sample/replicate pairs showed non detect for all study compounds; one sample pair had one of two detects just above detection (9.995 ppmv). These data indicate acceptable method performance.

ASTM 1945/USEPA 3C for Fixed Gases (methane and carbon dioxide)
Method QC Requirements – Method QC procedures were completed as per method requirements.

Laboratory Method Blank – One laboratory method blank sample was performed by the laboratory. Fixed gases were not detected in the blank samples above the MDL that ranged between 0.01% to 0.05%. These data indicate acceptable method performance.

Laboratory Precision – One LCD sample was performed by the laboratory. The LCD sample was reported within the criteria of less than 25%. These data indicate acceptable method performance.

Laboratory Accuracy – One LCS sample was performed by the laboratory. The LCS sample was reported within the criteria of 70-to-130 percent recovery. These data indicate acceptable method performance.

Field System Blank (accuracy) – Five media (field) blank samples were prepared in the field (T-114, -214, -314, -414, -514) and were analyzed as field samples (blind QC sample). Field blanks were prepared by filling the sampling media with ultra high purity air in the field and treated as a field sample. Carbon dioxide was not detected above the MDL (0.01%) and methane was detected near the detection limit in three samples between 1.3 to 2.0 ppmv (MDL 0.77 ppmv or less). These data demonstrate acceptable method performance.

Field Method Precision – Five field samples were collected in replicate and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512-513), with the second sample taken immediately after the first sample for method precision data. Two of the sample replicate pairs for carbon dioxide had values above MDL at RPD values of 14 and 12; the others were below method detection limit. Likewise two of the sample replicate pairs for methane were above MDL and had RPD values of 15 and 27 (criteria RPD 50). These data indicate acceptable method performance.

Trace Gas 1,1-DFA Analysis by USEPA Method TO-15
Method QC Requirements – Method QC procedures were completed as per method requirements.

Laboratory Method Blank – A total of nine laboratory method blank samples were performed by the laboratory. 1,1-DFA was not detected in the blank samples at the MDL of 2.7 ug/m3. These

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data indicate acceptable method performance.

Laboratory Precision – Nine LCD samples were performed by the laboratory. The LCD samples were reported within the criteria of less than 25%. These data indicate acceptable method performance.

Laboratory Accuracy – Nine LCS samples were performed by the laboratory. The LCS samples were reported within the criteria of 70-to-130 percent recovery. These data indicate acceptable method performance.

Field System Blank – Five media (field) blank samples were prepared in the field (T-114, -214, -314, -414, -514) and were analyzed as field samples (blind QC sample). Field blanks were prepared by filling the sampling media with ultra high purity air in the field and treated as a field sample. Given that these blank samples were taken from a calibration standard gas, these data serve as accuracy data or sample recovery QC data (±30%). The range of percent recovery for the five samples was 85%-to-99%. These data demonstrate acceptable method performance.

Field Method Precision – Five field samples were collected in replicate and analyzed for the flux chamber testing (T-112/-113, T-212/-213, T-312/-313, T-412/-413, T-512/-513), with the second sample taken immediately after the first sample for method precision data. The RPD values ranged from 0.54 to 16, average RPD of 8.3 (QC criteria (50 RPD). These data indicate acceptable method performance.

Field Calibration of the TVA-1000/MicroFid; Screening for Total Hydrocarbon Concentration
Pre-Use and Post-Use Instrument Response to Span (calibration) Gas and Zero Air (pure air)
The MicroFid Photovac and TVA-1000, instruments with FID detectors, were pre-use and post-use calibrated each day of use using certified methane span gas standard at either 25 ppmv or 100 ppmv. Zero air checks were generally acceptable, and all span checks were generally within 70%-to-130% accuracy, indicating acceptable instrument performance. However there was significant drift with temperature and direct sunlight exposure causing instrument drift and poor performance on occasion. The cooler morning startups did cause higher blank levels and recalibration during the day as the ambient temperature increased. Regardless the hydrocarbon detection instruments did provide useful screening data. No field data (MicroFid FID or the TVA-1000) were used in the emissions calculations; these data were only used in the field for directive purposes.

Field Calibration of the J-631X; Screening for Hydrogen Sulfide
Pre-Use and Post-Use Instrument Response to Zero Air
The two J-631X hydrogen sulfide analyzers were pre-use and post-use zero air checked and re-

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zeroed without exception and often many times during the day. These field screening instruments performed well however were the daily temperature swing affected instrument sensitivity and response. The cooler morning startups did cause higher blank levels and high/low response recalibration during the day as the ambient temperature increased, however the instrument did provide useful screening data. Each analyzer seemed to have different sensitivity, and measurements were performed and recorded for both analyzers for each instrument as possible. One instrument came with charging issues and calibration issues which were resolved by talking with the rental company instrument technician. For that time period only one instrument was used. No field data (J-631X) were used in the emissions calculations; these data were only used in the field for directive purposes.

IV. RESULTS AND DISCUSSIONS

A summary of the field sample collection information and field data for the field testing is shown in Table 1. All field data for the surface flux chamber testing and sample identification information are presented in Table 2. Table 2 provides both concentration (%, ug/m^3, mg/m^3) and flux (mg/m^2,min) data. All laboratory data, including quality control data, are presented in Attachment C to this memorandum. TO-15 data is presented in Table 3, TO-14 data is presented in Table 4, and SCAQMD 307-91 data is presented in Table 5.

Surface flux data are shown in flux units for compound emissions (mg/m^2,min). Surface flux for a surface area source is calculated using measured target compound concentrations and flux chamber operating parameter data (sweep air flow rate of 5.0 lpm [or 0.005 cubic meters per minute (m^3/min) plus advective flow], surface area of 0.13 square meters [m^2]). The site emissions can be calculated by multiplying the flux by the surface area of the grid cell or source tested. The flux (Fi, mg/m2,min) is calculated from the sweep air flow rate (Q, m^3/min)), the compound concentration (Yi, mg/m^3), and exposure to the chamber surface area (A, m^2)), as follows:

$$Fi = (Q)\ (Yi) / (A)$$

Emission rate (mass per time) from a source tested using the flux chamber technology can be obtained by multiplying unit or average flux data per compound by the surface area of the source. Note that advective flow at each test location was determined by the dilution of the 208 ppbV 1,1-DFA trace gas as is the protocol for SCAQMD Rule 1133.3, Attachment A (alternative to using 10% helium as allowed by the method).

1,1-DFA was used as a trace gas at 200 ppbv in ultra high purity air as the sweep gas necessary to perform the flux measurements. The recovery of a trace gas in the assessment allows for the

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gas flow into the chamber from the Landfill or the advective flow from the Landfill. 1,1-DFA was selected as a trace gas and approved by the SCAQMD given that it is not a greenhouse gas and is not used as a commercial freon compound. The trace gas analysis provided advective flow data within QC standards for all samples except one sample, T-406 where the value reported in the analysis was 1.97 ppbv very near the detection limit where it should have been much like the other samples in the grid, between approximately 130 to 200 ppbv. The sample was re-analyzed by the laboratory and found to be correct. It appears at the sample supply line, which is thin wall ¼" Teflon tubing, the reported value may have resulted from restricted sweep-gas flow (e.g. a kinked line), stopping sweep air flow to the chamber at this location providing no advective flow data. The trace gas flow detection for this sample was replaced with the average flow for the other three grid cell measurements and used in the flux calculation so noted in data Table 2.

The flux of VOCs as TNMHC (C1), HAPs compounds, hydrocarbon species, sulfur containing compounds, and fixed gases (methane, hydrogen, and carbon dioxide) from the Landfill grid cells tested is provided in this Technical Memorandum and is used in the Emissions Report.

The data set met the QC requirements provided in the SP and the laboratory methods employed.

V. SUMMARY

A focused air emissions assessment was performed on the Landfill at the facility located in Castaic, California. Areas of the Landfill that were tested included grid cells representative of both areas of the Landfill affected by the reaction and areas of the Landfill not affected by the reaction. Surfaces in the reaction area that were covered with a synthetic membrane were also tested as the technical approach included those grid cells by SEM screening like other grid cells on site. The following is a summary of activities and results associated with this Technical Memorandum:

- Surface flux measurements of VOCs as TNMHC, hydrocarbon species, HAPs compounds, sulfur containing compounds, and fixed gases (methane, carbon dioxide, 1,1-DFA) were measured at 15 selected Landfill locations (13 grid cells, one laydown yard, and one road section). The scope of work was expanded to investigate other areas of interest on the Landfill. Four flux chamber measurements were taken from each grid cell.

- Grid selection was based on the areas of interest (i.e., membrane area, non-reaction area, interface area, etc.) and methane surface screening data.

- Emissions testing was performed using the USEPA recommended surface flux chamber technology as described in the USEPA User's Guide for assessing fugitive air emissions

from area sources. Surface advective flow was determined at each location by the dilution of a trace gas 1,1-DFA added to the chamber sweep air. Study compounds were tested following regulatory approved sampling and analytical methods. These technologies were used to quantitatively measure flux at the test surface of the listed study compounds.

- Field and laboratory quality control data indicate acceptable data quality for all of the analytical methods used. Lab method QC sample data and media/field blank sample data for the analytical methods were found to be acceptable according to the methods used. Method precision for the lab replicates and spike samples (LCD and LCS) met the method criteria. Field method blank samples and field replicate samples were also acceptable, however some field precision samples for some methods, namely TO-14 and TO-15, exceeded criteria for some sample/replicate pairs. This was likely due to the low levels and numerous detections found in many samples, especially for Method TO-14 or hydrocarbon speciation analysis. In particular the poor precision with some of the TO-14 sample/replicate pairs was related to the large number of compounds detected near the reporting limits. The data set is of acceptable data quality for the purpose of assessing compound emissions from the Landfill.

- The flux data generated in this field study can be used to estimate emission factors from the Landfill area sources tested.

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Table 1. Summary of Field Sampling data for Chiquita Canyon Air Emission Assessment, July 20-24, 2026.

DATE	TIME	Test Site	Grid Category	LOC	TO-15	SRS	J 631X In	J 631X Out	FID In	FID Filter In	FID Out	FID Filter Out	IN SURF	IN AIR	OUT SURF	OUT AIR	Coordinates		Cylinder	COMMENT
					ID	ID a,b	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	(ppmv)	°F	°F	°F	°F	11 S 34	381	ID	
7/20/2026	922	Cell 175	Exceedance Area	1	T-101	S-101	<0.05	<0.05	0.0	0.0	0.1	0.0	91	93	91	78	8.355	1.626	CC 173196	Dirt over membrane
7/20/2026	922	"	Exceedance Area	2	T-102	S-102	<00.5	<0.05	0.0	0.0	0.0	0.0	102	96	87	80	8.354	1.615	CC 173196	Road
7/20/2026	922	"	Exceedance Area	3	T-103	S-103	<0.05	<0.05	0.0	0.0	0.0	0.0	97	96	90	80	8.358	1.605	CC 90075	Dirt over membrane
7/20/2026	922	"	Exceedance Area	4	T-104	S-104	0.001	0.005	0.0	0.0	0.0	0.0	90	91	91	79	8.362	1.597	CC 90075	Dirt over membrane
7/20/2026	1026	Cell 173	Membrane	1	T-105	S-105	1.8	1.4	4.7	2.6	7.9	3.8	108	100	94	87	8.388	1.571	CC 173196	White membrane/tan patch
7/20/2026	1026	"	Membrane	2	T-106	S-106	1.8	0.34	1.7	0.7	2.9	2.9	107	101	100	82	8.392	1.563	CC 173196	White membrane
7/20/2026	1026	"	Membrane	3	T-107	S-107	0.32	0.16	2.2	0.0	2.7	0.0	97	100	95	85	8.407	1.561	CC 90075	White membrane/welded seam
7/20/2026	1026	"	Membrane	4	T-108	S-108	0.37	0.21	0.0	0.0	0.0	0.0	100	103	99	90	8.412	1.547	CC 90075	White membrane on black patch
7/20/2026	1130	Cell 177	Membrane	1	T-109	S-109	<0.05	0.40	0.0	0.0	0.0	0.0	114	118	106	91	8.451	1.652	CC 173196	Tan membrane
7/20/2026	1130	"	Membrane	2	T-110	S-110	<0.05	<0.05	1.4	2.0	2.6	2.8	114	115	112	90	8.448	1.666	CC 90075	Tan membrane
7/20/2026	1130	"	Membrane	3	T-111	S-111	<0.05	<0.05	4.7	2.7	7.8	6.8	120	115	112	91	8.434	1.663	CC 90075	Tan membrane
7/20/2026	1130	"	Membrane	4	T-112	S-112	0.44	0.21	0.0	0.0	0.0	0.0	122	128	118	94	8.441	1.646	CC 173196	Tan membrane
7/20/2026	1130	Replicate	Membrane	4	T-113	S-113	0.44	0.21	0.0	0.0	0.0	0.0	122	128	118	94	8.441	1.646	CC 173196	Sample Replicate
7/20/2026	1251	Media Blank	NA	NA	S-114	S-114	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	CC 90075	Media Blank, 1,1-DFA, 208 ppbv
7/21/2026	859	Cell 241	Anomalous	1	T-201	S-201	0.28/0.000	0.15/0.004	23	21	18	11	93	91	89	77	8.412	0.919	CC 90075	Edge of dirt road
7/21/2026	859	"	Anomalous	2	T-202	S-202	0.22/0.000	0.17/0.004	1.2	4	22	6	91	89	86	78	8.397	0.913	CC 90075	Same
7/21/2026	859	"	Anomalous	3	T-203	S-203	0.28/0.000	0.21/0.010	122	105	25	3	93	91	93	77	8.370	0.903	CC 173196	Same
7/21/2026	859	"	Anomalous	4	T-204	S-204	9.9/0.000	0.41.0.005	Off Scale	Off Scale	128	360	99	98	99	78	8.381	0.894	CC 173196	TVA Exceed upper limit
7/21/2026	1013	Cell 240	Anomalous	1	T-205	S-205	1.2/0.000	0.28/0.004	-2.3	-1.7	-1	-0.6	115	116	105	82	8.423	0.870	CC 173196	Soil
7/21/2026	1013	"	Anomalous	2	T-206	S-206	1.3/0.000	0.28/0.009	380	350	40	40	125	124	108	85	8.440	0.889	CC 90075	"
7/21/2026	1013	"	Anomalous	3	T-207	S-207	0.23/0.000	1.1/0.009	2.3	2.3	1	0	130	129	109	93	8.448	0.892	CC 90075	"
7/21/2026	1013	"	Anomalous	4	T-208	S-208	0.46/0.008	0.26/0.009	4300	4300	320	520	121	121	115	89	8.416	0.888	CC 173196	"
7/21/2026	1127	Cell 52	Anomalous	1	T-209	S-209	0.37/0.000	1.2/0.005	18	14	16	16	140	121	104	94	9.216	1.424	CC 173196	Soil
7/21/2026	1127		Anomalous	2	T-210	S-210	0.32/0/000	0.27/0.006	20	25	32	34	174	139	128	96	9.185	1.378	CC 90075	"
7/21/2026	1127		Anomalous	3	T-211	S-211	0.21/0.000	0.25/0.007	21	23	34	27	142	127	114	99	9.217	1.412	CC 173196	"
7/21/2026	1127		Anomalous	4	T-212	S-212	1.1/0.000	0.23/0.006	5,300	5,100.0	140	115	159	140	123	97	9.177	1.367	CC 90075	"
7/21/2026	1127	Replicate	Anomalous	4	T-213	S-213	1.1/0.000	0.23/0.006	5,300	5,100.0	140	115	159	140	123	97	9.177	1.367	CC 90075	Sample Replicate
7/21/2026	1238	Media Blank	NA	NA	T-214	S-214	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	CC 90075	Media Blank, 1,1-DFA, 208 ppbv
7/22/2026	747	Cell 69	Membrane	1	T-301	S-301	0.21/0.003	0.000/0.000	3.9	3.6	5.6	6.8	90	89	83	72	8.979	1.784	CC 90075	Tan membrane
7/22/2026	747	"	Membrane	2	T-302	S-302	0.23/0.004	0.19/0.000	3.9	3.7	5.8	5.8	85	89	86	71	8.967	1.780	CC 90075	"
7/22/2026	747	"	Membrane	3	T-303	S-303	1.4/0.004	0.32/0.001	3.4	3.3	4.7	6.4	84	82	82	72	8.949	1.787	CC 173196	"
7/22/2026	747	"	Membrane	4	T-304	S-304	0.28/0.004	0.14/0.000	3.9	3.9	5.8	6.0	83	87	83	72	8.952	1.774	CC 173196	"
7/22/2026	921	ay Down Yar	Lay Down Yard	1	T-305	S-305	0.30/0.000	0.24/0.012	11	15	11	18	120	110	97	90	9.101	1.741	CC 90075	Soil/Road-Parking
7/22/2026	921	"	Lay Down Yard	2	T-306	S-306	1.3/0.000	0.29/0.000	1060	1060	12	50	104	109	103	87	9.055	1.746	CC 173196	"
7/22/2026	921	"	Lay Down Yard	3	T-307	S-307	1.6/0.000	1.1/0.000	3100	2800	14.3	44.8	104	108	105	86	9.054	1.727	CC 173196	"
7/22/2026	921	"	Lay Down Yard	4	T-308	S-308	1.2/0.000	0.30/0.000	34,000	30,000	210	230	101	99	98	82	9.098	1.724	CC 90075	"
7/22/2026	1043	Road	Road	1	T-309	S-309	0.33/0.000	0.24/0.005	5.3	5.8	7.0	7.0	115	109	107	92	8.840	1.798	CC 173196	Watered and packed road
7/22/2026	1043	"	Road	2	T-310	S-310	0.28/0.000	0.26/0.002	1.9	0.002	4.4	6.5	111	116	96	92	8.870	1.800	CC 90075	
7/22/2026	1043	"	Road	3	T-311	S-311	0.24/0.000	0.26/0.004	3.1	3.4	1.1	5.2	105	108	104	90	8.852	1.800	CC 173196	"
7/22/2026	1043	"	Road	4	T-312	S-312	0.25/0.000	0.24/0.003	2.4	2.7	5	5.1	124	114	108	92	8.862	1.800	CC 90075	"
7/22/2026	1043	Replicate	Road	4	T-313	S-313	0.25/0.000	0.24/0.003	2.4	2.7	5	5.1	124	114	108	92	8.862	1.800	CC 90075	Replicate Sample
7/22/2026	1150	Media Blank	NA	NA	T-314	S-314	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	CC 173196	Media Blank, 1,1-DFA, 203 ppbv
7/23/2026	826	Cell 36	Interface	1	T-401	S-401	0.12/0.000	0.16/0.004	4.0	6.6	10	9.1	83	94	91	85	8.963	1.610	CC 144339	Roadside near membrane
7/23/2026	826	"	Interface	2	T-402	S-402	0.20/0.001	0.15/0.006	4300	4156	110	57	93	102	89	87	9.017	1.594	CC 100011	Roadside near membrane
7/23/2026	826	"	Interface	3	T-403	S-403	0.013/0.004	0.11/0.005	6.8	7.4	10	12	121	107	105	84	8.980	1.613	CC 144339	Tan Membrane
7/23/2026	826	"	Interface	4	T-404	S-404	0.002.0.001	0.019/0.005	3800	3600	61	32	95	101	93	82	9.013	1.612	CC 100011	Roadside near membrane
7/23/2026	924	Cell 40	Interface	1	T-405	S-405	0.16/0.004	0.18/0.007	8.0	8.3	11	12	115	114	103	89	9.031	1.615	CC 144339	Soil
7/23/2026	924	"	Interface	2	T-406	S-406	0.004.0.000	0.030/0.007	11	11	11	11	136	120	114	90	9.043	1.622	CC 144339	Soil
7/23/2026	924	"	Interface	3	T-407	S-407	0.20/0.004	1.2/0.006	7.5	23	10	13	123	116	100	91	9.017	1.609	CC 100011	Soil
7/23/2026	924	"	Interface	4	T-408	S-408	0.002/0.000	0.10/0/006	2314	2200	36	1600	102	104	93	91	9.012	1.621	CC 100011	On roadside
7/23/2026	1031	Cell 62	Interface	1	T-409	S-409	0.30/0.005	0.13/0.007	7.2	11	9.9	12	123	117	104	93	9.092	1.699	CC 144339	Tan Membrane
7/23/2026	1031	"	Interface	2	T-410	S-410	0.18/0.000	0.25/0.006	133	120	14	12	128	115	108	97	9.105	1.726	CC 100011	"
7/23/2026	1031	"	Interface	3	T-411	S-411	0.25/0.002	0.21/0.008	950	740	9.7	85	131	123	114	99	9.088	1.677	CC 144339	"
7/23/2026	1031	"	Interface	4	T-412	S-412	0.20/0.000	0.005/0.000	53,000	50,000	125	138	109	109	101	94	9.099	1.722	CC 100011	"
7/23/2026	1031	Replicate	Interface	4	T-413	S-413	0.20/0.000	0.005/0.000	53,000	50,000	125	138	109	109	101	94	9.099	1.722	CC 100011	Replicate Sample
7/23/2026	1137	Media Blank	NA	NA	T-414	S-414	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	CC 100011	Media Blank, 1,1-DFA, 212 ppbv
7/24/2026	845	Cell 220	Non-Reaction Area	1	T-501	S-501	0.000/0.000	0.013/0.002	0.0	0.0	11	3.1	97	93	92	83	8.356	1.107	CC 144339	Roadside near membrane
7/24/2026	845	"	Non-Reaction Area	2	T-502	S-502	0.13/0.000	0.12/0.003	0.0	0.0	1.8	1.5	93	97	95	85	8.343	1.105	CC 144339	
7/24/2026	845	"	Non-Reaction Area	3	T-503	S-503	0.17/0.000	0.18/0.004	0.0	0.0	2.5	2.4	110	98	91	86	8.356	1.095	CC 100011	
7/24/2026	845	"	Non-Reaction Area	4	T-504	S-504	0.30/0.000	0.16/0.003	1706	1644	44	79	97	103	92	87	8.357	1.088	CC 100011	
7/24/2026	957	Cell 96	Non-Reaction Area	1	T-505	S-505	0.16/0.003	0.11/0.008	4.1	5.1	7.1	8.6	120	131	123	93	8.750	1.185	CC 144339	Soil
7/24/2026	957	"	Non-Reaction Area	2	T-506	S-506	0.11/0.003	0.25/0.006	4.7	7.4	8.4	15	151	128	115	92	8.740	1.180	CC 144339	"
7/24/2026	957	"	Non-Reaction Area	3	T-507	S-507	0.026/0.004	0.16/0.009	79	77	9.6	8.0	131	128	114	94	8.757	1.173	CC 100011	"
7/24/2026	957	"	Non-Reaction Area	4	T-508	S-508	0.29/0.004	0.14/0.009	1835	1818	72	40	133	125	122	94	8.770	1.172	CC 100011	"
7/24/2026	1106	Cell 6	Non-Reaction Area	1	T-509	S-509	0.005/0.004	0.18/0.008	4.8	5.5	7.2	7.5	125	113	99	95	9.088	0.940	CC 144339	Soil
7/24/2026	1106	"	Non-Reaction Area	2	T-510	S-510	0.16/0.005	0.11/0.009	6.3	5.8	8.5	7.4	126	117	111	99	9.097	0.927	CC 100011	Soil, spray paint used nearby
7/24/2026	1106	"	Non-Reaction Area	3	T-511	S-511	0.008/0.004	0.032/0.009	4.3	7	7	23	124	113	113	95	9.069	0.942	CC 144339	"
7/24/2026	1106	"	Non-Reaction Area	4	T-512	S-512	0.21/0.004	0.21/0.10	7.5	7.7	10	9.4	135	121	113	98	9.111	0.913	CC 100011	"
7/24/2026	1106	Replicate	Non-Reaction Area	4	T-513	S-513	0.21/0.004	0.21/0.10	7.5	7.7	10	9.4	135	121	113	98	9.111	0.913	CC 100011	Replicate Sample
7/24/2026	1207	Media Blank	NA	NA	T-514	S-514	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	CC 100011	Media Blank, 1,1-DFA, 212 ppbv

Note- Two Jerome 631X H2S analyzers were used; both instrument readings reported as X/Y per data cell. Instruments not responding due to temperature. Both instruments responded similarly at high levels.
NA- not applicable

Table 2. Summary of Flux Data for CO2, Methane, and TNMHC Flux.

Test Site	Grid Category	LOC	TO-15	SRS	Carbon Dioxide		Methane		H2	TO-12 TNMHC C1		1,1-DFA	1,1-DFA Std.	Total Flow	Total Flow	Carbon Dioxide	Methane	TNMHC
			ID	ID a,b	(ppmv)	(mg/m3)	(ppmv)	(mg/m3)	(ppmv)	(ppbv)	(ug/m3)	(ppbv)	(ppbv)	(lpm)	(m3/min)	Flux	Flux	Flux
Grid Cell 175	Exceedance Area	1	T-101	S-101	ND U	124 U	ND U	0.2 U	ND U	95 J	60 J	189.69	203	5.35	0.005	5.1 U	0.0093 U	0.0025 J
"	Exceedance Area	2	T-102	S-102	ND U	123 U	ND U	0.2 U	ND U	52 J	33 J	222.96	203	4.55	0.005	4.3 U	0.0079 U	0.0011 J
"	Exceedance Area	3	T-103	S-103	ND U	116 U	ND U	0.2 U	ND U	329	208	212.39	208	4.90	0.005	4.4 U	0.0080 U	0.0078
"	Exceedance Area	4	T-104	S-104	ND U	134 U	ND U	0.2 U	ND U	381	243	216.60	208	4.80	0.005	5.0 U	0.0091 U	0.0090
Grid Cell 173	Membrane	1	T-105	S-105	ND U	129 U	ND U	0.2 U	ND U	356	223	214.86	203	4.72	0.005	4.7 U	0.0085 U	0.0081
"	Membrane	2	T-106	S-106	ND U	128 U	1.0 J	0.6 J	ND U	231	145	220.29	203	4.61	0.005	4.5 U	0.0220 J	0.0051
"	Membrane	3	T-107	S-107	ND U	114 U	2.0 J	1.2 J	ND U	246	154	216.00	208	4.81	0.005	4.2 U	0.0458 J	0.0057
"	Membrane	4	T-108	S-108	ND U	101 U	1.5 J	0.9 J	ND U	133 J	83 J	161.74	208	6.43	0.006	5.0 U	0.0454 J	0.0041 J
Grid Cell 177	Membrane	1	T-109	S-109	ND U	126 U	ND U	0.2 U	ND U	580	352	166.08	203	6.11	0.006	5.9 U	0.0107 U	0.0166
"	Membrane	2	T-110	S-110	613	1,030	0.8 J	0.5 J	ND U	231	141	214.10	208	4.86	0.005	38	0.0178 J	0.0053
"	Membrane	3	T-111	S-111	ND U	133 U	ND U	0.2 U	ND U	91 J	56 J	147.65	208	7.04	0.007	7.2 U	0.0131 U	0.0030 J
"	Membrane	4	T-112	S-112	ND U	108 U	0.7 J	0.4 J	ND U	445	266	205.58	203	4.94	0.005	4.1 U	0.0157 J	0.0101
Replicate	Membrane	4	T-113	S-113	ND U	126 U	ND U	0.2 U	ND U	551	329	193.06	208	5.39	0.005	5.2 U	0.0095 U	0.0136
Media Blank	NA	NA	S-114	S-114	ND U	112 U	ND U	0.2 U	ND U	ND U	15 U	210.29	208	4.95	0.005	4.3 U	0.0077 U	0.0006 U
Grid Cell 241	Anomalous	1	T-201	S-201	783	1,372	20.1	13	ND U	416	265	215.97	208	4.82	0.005	51	0.4738	0.0098
"	Anomalous	2	T-202	S-202	ND U	112 U	1.5 J	1.0 J	ND U	91 J	58 J	200.92	208	5.18	0.005	4.4 U	0.0385 J	0.0023 J
"	Anomalous	3	T-203	S-203	1,271	2,228	92	59	ND U	102 J	65 J	181.50	203	5.59	0.006	96	2.53	0.0028 J
"	Anomalous	4	T-204	S-204	29,004	50,198	35,720	22,481	ND U	28,530	17,955	201.67	203	5.03	0.005	1,943	870.4	0.6951
Grid Cell 240	Anomalous	1	T-205	S-205	1,243	2,084	15	9	ND U	325	198	143.34	203	7.08	0.007	114	0.4951	0.0108
"	Anomalous	2	T-206	S-206	929	1,536	5	3.0	ND U	411	247	136.38	208	7.63	0.008	90	0.1746	0.0145
"	Anomalous	3	T-207	S-207	2,375	3,894	347	207	ND U	398	237	112.73	208	9.23	0.009	276	14.7	0.0168
"	Anomalous	4	T-208	S-208	5,830	9,691	5,950	3,597	ND U	11,147	6,738	96.03	203	10.6	0.011	788	292.4	0.5478
Grid Cell 52	Anomalous	1	T-209	S-209	733	1,218	4	2.7	ND U	420	254	118.09	203	8.60	0.009	81	0.1782	0.0168
	Anomalous	2	T-210	S-210	1,154	1,860	8	4.5	ND U	209	123	104.95	208	9.91	0.010	142	0.3450	0.0094
	Anomalous	3	T-211	S-211	886	1,458	4	2.6	ND U	111 J	67 J	98.94	203	10.3	0.010	115	0.2049	0.0053 J
	Anomalous	4	T-212	S-212	5,988	9,638	2,758	1,614	ND U	7,303	4,274	166.87	208	6.23	0.006	462	77.4	0.2049
Replicate	Anomalous	4	T-213	S-213	6,726	10,826	2,879	1,685	ND U	6,125	3,585	166.04	208	6.26	0.006	522	81.2	0.1727
Media Blank	NA	NA	T-214	S-214	ND U	114 U	1 J	0.7 J	ND U	ND U	15 U	190.67	208	5.45	0.005	4.8 U	0.0311 J	0.0006 U
Grid Cell 69	Membrane	1	T-301	S-301	ND U	121 U	ND U	0.2 U	ND U	190	122	220.40	208	4.72	0.005	4.4 U	0.0080 U	0.0044
"	Membrane	2	T-302	S-302	ND U	130 U	ND U	0.2 U	ND U	76 J	49 J	160.61	208	6.48	0.006	6.5 U	0.0118 U	0.0024 J
"	Membrane	3	T-303	S-303	ND U	116 U	ND U	0.2 U	ND U	74 J	48 J	145.80	203	6.96	0.007	6.2 U	0.0113 U	0.0026 J
"	Membrane	4	T-304	S-304	757	1,337	1.0 J	0.6 J	ND U	1,714	1,100	133.44	203	7.61	0.008	78	0.0364 J	0.0644
Lay Down Yard	Lay Down Yard	1	T-305	S-305	743	1,259	2.7	1.6	ND U	789	486	171.87	208	6.05	0.006	59	0.0763	0.0226
"	Lay Down Yard	2	T-306	S-306	3,206	5,441	732	452	ND U	562	347	172.22	203	5.89	0.006	247	20.5	0.0157
"	Lay Down Yard	3	T-307	S-307	3,278	5,573	1,384	856	ND U	145	90	147.76	203	6.87	0.007	295	45.2	0.0047
"	Lay Down Yard	4	T-308	S-308	28,629	49,460	21,376	13,429	ND U	5,065	3,182	184.51	208	5.64	0.006	2,145	582.2	0.1380
Road	Road	1	T-309	S-309	664	1,127	1.0 J	0.6 J	ND U	273	169	138.82	203	5.00	0.005	43	0.0242 J	0.0065
"	Road	2	T-310	S-310	ND U	114 U	ND U	0.2 U	ND U	231	141	142.99	208	7.27	0.007	6.4 U	0.0116 U	0.0079
"	Road	3	T-311	S-311	ND U	119 U	ND U	0.2 U	ND U	214	132	119.08	203	8.52	0.009	7.8 U	0.0142 U	0.0087
"	Road	4	T-312	S-312	ND U	119 U	ND U	0.2 U	ND U	74 J	45 J	166.85	208	6.23	0.006	5.7 U	0.0103 U	0.0022 J
Replicate	Road	4	T-313	S-313	ND U	115 U	ND U	0.2 U	ND U	49 J	30 J	199.57	208	5.21	0.005	4.6 U	0.0083 U	0.0012 J
Media Blank	NA	NA	T-314	S-314	ND U	122 U	ND U	0.2 U	ND U	ND U	15 U	171.71	203	5.91	0.006	5.5 U	0.0101 U	0.0007 U
Grid Cell 36	Interface	1	T-401	S-401	ND U	122 U	ND U	0.2 U	ND U	64 J	40 J	218.09	204	4.68	0.005	4.4 U	0.0080 U	0.0015 J
"	Interface	2	T-402	S-402	4,290	7,372	2,610	1,631	ND U	284	178	220.70	212	4.80	0.005	272	60.3	0.0066
"	Interface	3	T-403	S-403	ND U	118 U	ND U	0.2 U	ND U	214	133	191.24	204	5.33	0.005	4.8 U	0.0088 U	0.0054
"	Interface	4	T-404	S-404	4,122	7,096	1,977	1,237	ND U	579	363	164.57	212	6.44	0.006	352	61.3	0.0180
Grid Cell 40	Interface	1	T-405	S-405	ND U	119 U	ND U	0.2 U	ND U	226	138	187.90	204	5.43	0.005	5.0 U	0.0091 U	0.0058
"	Interface	2	T-406	S-406	851	1,417	2.2	1.3	ND U	116 J	70 J	208.90	204	4.88	0.005	53	0.0503	0.0026 J
"	Interface	3	T-407	S-407	ND U	122 U	ND U	0.2 U	ND U	117 J	71 J	220.53	212	4.81	0.005	4.5 U	0.0081 U	0.0026 J
"	Interface	4	T-408	S-408	2,297	3,933	1,525	949	ND U	342	213	218.39	212	4.85	0.005	147	35.5	0.0080
Grid Cell 62	Interface	1	T-409	S-409	ND U	118 U	ND U	0.2 U	ND U	244	148	172.09	212	6.16	0.006	5.6 U	0.0102 U	0.0070
"	Interface	2	T-410	S-410	1,055	1,772	75	46	ND U	105 J	64 J	181.75	212	5.83	0.006	79	2.1	0.0029 J
"	Interface	3	T-411	S-411	1,693	2,804	363	218	ND U	577	348	145.00	204	7.03	0.007	152	11.8	0.0188
"	Interface	4	T-412	S-412	49,270	83,624	34,791	21,473	ND U	14,876	9,181	215.05	204	4.74	0.005	3,051	783.4	0.3350
Replicate	Interface	4	T-413	S-413	43,592	73,987	27,019	16,676	ND U	17,583	10,852	216.95	204	4.70	0.005	2,676	603.1	0.3925
Media Blank	NA	NA	T-414	S-414	ND U	116 U	3.6	2.3	ND U	85 J	56 J	250.27	212	4.24	0.004	3.8 U	0.0764	0.0018 J
Grid Cell 220	Non-Reaction Area	1	T-501	S-501	ND U	123 U	0.9 J	0.6 J	ND U	203	129	137.15	204	7.44	0.007	7.0 U	0.0316 J	0.0074
"	Non-Reaction Area	2	T-502	S-502	ND U	116 U	ND U	0.2 U	ND U	128 J	81 J	141.48	204	7.21	0.007	6.4 U	0.0117 U	0.0045 J
"	Non-Reaction Area	3	T-503	S-503	1,347	2,331	ND U	0.2 U	ND U	84 J	53 J	194.65	212	5.45	0.005	98	0.0094 U	0.0022 J
"	Non-Reaction Area	4	T-504	S-504	1,266	2,172	863	539	ND U	546	341	170.53	212	6.22	0.006	104	25.8	0.0163
Grid Cell 96	Non-Reaction Area	1	T-505	S-505	ND U	122 U	0.9 J	0.5 J	ND U	185	110	139.23	204	7.33	0.007	6.9 U	0.0298 J	0.0062
"	Non-Reaction Area	2	T-506	S-506	ND U	113 U	ND U	0.2 U	ND U	ND U	13 U	134.82	204	7.57	0.008	6.6 U	0.0120 U	0.0008 U
"	Non-Reaction Area	3	T-507	S-507	895 U	1,470 U	43	25	ND U	ND U	13 U	156.92	212	6.76	0.007	76 U	1.3214	0.0007 U
"	Non-Reaction Area	4	T-508	S-508	1,383	2,283	861	517	ND U	ND U	14 U	174.81	212	6.06	0.006	106	24.1	0.0006 U
Grid Cell 6	Non-Reaction Area	1	T-509	S-509	ND U	116 U	ND U	0.2 U	ND U	73 J	45 J	204.44	204	4.99	0.005	4.5 U	0.0081 U	0.0017 J
"	Non-Reaction Area	2	T-510	S-510	ND U	105 U	ND U	0.2 U	ND U	ND U	14 U	180.69	212	5.87	0.006	4.7 U	0.0087 U	0.0006 U
"	Non-Reaction Area	3	T-511	S-511	ND U	110 U	ND U	0.2 U	ND U	ND U	14 U	213.88	204	4.77	0.005	4.0 U	0.0074 U	0.0005 U
"	Non-Reaction Area	4	T-512	S-512	ND U	120 U	ND U	0.2 U	ND U	79 J	48 J	135.02	212	7.85	0.008	7.2 U	0.0131 U	0.0029 J
Replicate	Non-Reaction Area	4	T-513	S-513	ND U	110 U	ND U	0.2 U	ND U	64 J	39 J	158.21	212	6.70	0.007	5.7 U	0.0103 U	0.0020 J
Media Blank	NA	NA	T-514	S-514	ND U	129 U	ND U	0.2 U	ND U	ND U	15 U	184.72	212	5.74	0.006	5.7 U	0.0103 U	0.0007 U

Note that 1,1-DFA sample data T-406 was replaced with the average sample data for Grid Cell 40.

Flux = mg/m2-min

Compound	Acetone	Ethanol	Propylene	Methanol	2-Butanone (MEK)	m,p-Xylenes	Toluene	Trichloroethene (TCE)	Tetrahydrofuran	Ethylbenzene	Acrolein	n-Heptane	Isopropyltoluene	Cyclohexane
CAS	67-64-1	64-17-5	115-07-1	67-56-1	78-93-3	1330-20-7	108-88-3	79-01-6	109-99-9	100-41-4	107-02-8	142-82-5	99-87-6	110-82-7
Sample ID MW	58.1	46.1	42.08	32	72.1	106.2	92.1	131.4	72.1	106.2	56.1	100.2	134.2	84.2
Lab Data (ppbv)														
T-101	12.51	ND	1.03	ND	4.32	ND	0.94	ND	ND	ND	1.98	ND	ND	ND
T-102	27.15	91.25	1.9	ND	9.89	ND	ND	ND	ND	ND	2.6	ND	ND	ND
T-103	20.92	45.11	1.17	5.11	4.55	ND	ND	ND	ND	ND	2.6	ND	ND	ND
T-104	96.7	73.97	1.78	11.17	49.3	ND	1.21	ND	ND	ND	5.38	ND	1.85	ND
T-105	18.36	24.93	1.28	3.24	7.25	0.94	0.92	ND	ND	0.7	3.48	ND	1.19	ND
T-106	17.56	263.84	2.31	ND	ND	2.68	3.08	ND	ND	1.14	ND	ND	2.19	ND
T-107	10.98	32.1	1.29	ND	ND	6.18	11.06	ND	1.86	3.95	ND	ND	2.57	ND
T-108	11.49	19.58	4.64	4.15	ND	0.58	1.44	ND	ND	ND	3.72	ND	ND	ND
T-109	10.95	50.67	1.24	4.35	ND	6.8	3.87	ND	1.75	6.28	5.07	ND	27.42	ND
T-110	6.88	55.77	0.94	4.7	ND	1.12	ND	ND	ND	1.02	2.23	ND	3.66	ND
T-111	26.25	24.37	ND	ND	8.91	ND	ND	ND	ND	ND	1.99	ND	ND	ND
T-112	7.34	46.26	ND	5.71	ND	4.86	3.45	ND	1.95	4.93	2.06	ND	14.13	ND
T-113	7.73	47.18	ND	4.79	ND	5.25	2.95	ND	1.62	4.48	2.16	ND	15.58	ND
T-114	ND	ND	0.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	17.54	55.78	1.62	10.18	8.59	ND	ND	ND	ND	ND	3.98	ND	ND	ND
T-202	22.17	43.54	2.21	15.88	6.98	ND	1.05	ND	ND	ND	4.54	ND	ND	ND
T-203	25.11	27.84	2.01	13.57	2.49	ND	1.04	ND	ND	ND	2.39	ND	ND	ND
T-204	206.19	24.22	295.51	316.25	181.23	234.38	249.68	10.1	738.23	180.89	53.62	183.16	206.39	71.92
T-205	207.94	103.46	12.16	20.74	17.71	3.04	3.22	ND	2.66	2.12	2.92	ND	17.75	ND
T-206	66.61	103.49	40.02	ND	18.31	24.56	31.61	ND	13.79	16.5	19.92	3.81	54.88	1.6
T-207	79.02	94.53	4.57	189.93	7.16	3.15	1.51	ND	ND	2.77	10.55	ND	8.78	ND
T-208	56.45	8.72	227.33	4.24	ND	127.11	93.11	2.65	17.29	95.03	ND	4.16	99.15	1.67
T-209	9.41	ND	ND	ND	4.16	ND	ND	ND	ND	ND	1.67	ND	ND	ND
T-210	25.84	19.54	1.91	132.49	ND	ND	ND	ND	ND	ND	6.14	ND	ND	ND
T-211	11.19	2.43	1.7	10.19	2.21	ND	ND	ND	ND	ND	3.08	ND	1.3	ND
T-212	79.78	23.29	26.85	107.56	8.9	108.49	80.35	2.22	ND	89.32	9.97	4.62	28.73	2.5
T-213	78.97	29.89	28.33	107.83	10.22	108.73	84.7	2.42	ND	90.98	8.78	5.21	28.52	2.9
T-214	ND	ND	0.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	14.64	33.54	2.01	2.82	4.62	ND	ND	ND	ND	ND	1.83	ND	ND	ND
T-302	6	23.83	1.06	ND	ND	ND	ND	ND	ND	ND	0.99	ND	ND	ND
T-303	8.74	23.6	1.54	4.34	1.39	ND	ND	ND	ND	ND	2.64	ND	ND	ND
T-304	13.3	5.03	1.5	2.42	3.56	ND	ND	ND	ND	ND	1.83	ND	ND	ND
T-305	18.06	15.32	1.77	8.79	6.75	ND	ND	ND	ND	ND	2.39	ND	ND	ND
T-306	73.71	14.45	4.75	31.97	16.37	1.04	ND	ND	ND	ND	7.08	ND	ND	ND
T-307	9.82	26.49	4.9	8.5	1.6	ND	ND	ND	ND	ND	2.79	ND	ND	ND
T-308	55.2	38.73	179.83	26	ND	27.23	34.68	7.44	ND	23.9	77.37	60.58	2.69	70.28
T-309	9.07	ND	10.6	ND	6.68	0.99	1.36	ND	ND	1.19	3.75	1.07	ND	1.39
T-310	137.14	114.7	2.69	ND	96.41	ND	ND	ND	ND	ND	8.17	ND	ND	ND
T-311	12.41	281.74	1.4	ND	5	ND	ND	ND	ND	ND	4.26	ND	ND	ND
T-312	30.64	76.4	1.67	5.74	14.35	ND	ND	ND	ND	ND	6.29	ND	ND	ND
T-313	31.26	145.44	3.11	8.22	11.18	ND	ND	ND	ND	ND	9.15	ND	ND	ND
T-314	2.25	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	28.38	75.5	4.1	18.13	4.44	ND	ND	104.3	ND	ND	5.51	ND	ND	ND
T-402	9.17	24.4	5.18	5.45	1.65	ND	ND	ND	ND	ND	3.34	ND	ND	1.08
T-403	6.94	15.73	1.86	2.55	1.96	ND	ND	77.72	ND	ND	ND	ND	ND	ND
T-404	13.38	27.7	15.62	10.62	3.35	2.04	2.41	ND	ND	ND	5.64	0.94	ND	3.04
T-405	10.23	18.06	1.14	3.63	ND	ND	ND	76.24	ND	ND	1.39	ND	ND	ND
T-406	46.75	51.45	2.44	15.88	5.54	0.98	ND	ND	4.74	0.85	6.49	ND	ND	ND
T-407	17.37	10.86	0.96	2.45	7.91	ND	ND	ND	ND	ND	2.21	ND	ND	ND
T-408	42.56	11.13	15.92	17.96	13.5	0.82	1.33	ND	12.5	0.74	10.86	ND	0.98	3.3
T-409	16.76	16.57	2.21	4.51	4.15	ND	ND	82.3	ND	ND	2.79	ND	ND	ND
T-410	35.17	211.59	2.5	20.91	5.39	ND	0.88	2.24	ND	ND	6.08	ND	ND	ND
T-411	142.12	181.85	2.87	14.84	91.38	ND	ND	67.38	ND	ND	6.17	ND	ND	ND
T-412	1915.74	111.28	890.46	41.14	276.04	122.77	145.75	23.41	ND	105.08	130.35	161.98	17.63	205.45
T-413	219.13	124.16	263.48	54.42	61.05	99.64	118.55	16.84	ND	85.47	131.24	192.11	13.96	144.83
T-414	4.09	ND	0.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	6.66	33.01	1.04	3.23	ND	ND	ND	41.24	ND	ND	2.11	ND	ND	ND
T-502	8.67	54.45	1.24	4.55	ND	ND	ND	52.85	ND	ND	1.41	ND	ND	ND
T-503	15.23	22.11	1.82	19.04	2.09	ND	ND	0.94	ND	ND	4.57	ND	ND	ND
T-504	45.25	19.96	21.67	20.82	19.25	1.46	1.32	1	10.33	0.87	10	ND	4.33	3.69
T-505	19.94	11.08	2.83	76.74	2.71	ND	1.18	57.68	ND	ND	6.05	ND	ND	ND
T-506	61.64	5.9	2.73	83.05	11.13	ND	ND	43.07	ND	ND	6.93	ND	ND	ND
T-507	42.15	15.08	4.52	130.38	5.77	ND	ND	ND	ND	ND	12.26	ND	ND	ND
T-508	34.23	3.53	3.53	10.88	3.03	ND	ND	ND	ND	ND	4.65	ND	ND	ND
T-509	14.29	ND	1	ND	3.91	ND	ND	84.7	ND	ND	ND	ND	ND	ND
T-510	31.66	ND	1.79	4.22	17.5	ND	ND	ND	ND	ND	2.87	ND	ND	ND
T-511	13.21	ND	1.99	ND	ND	ND	ND	69.81	ND	ND	2.28	ND	ND	ND
T-512	8.96	76.79	1.55	9.38	2.87	ND	ND	ND	ND	ND	1.43	ND	ND	ND
T-513	13.74	74.01	1.37	7.12	2.39	ND	ND	ND	ND	ND	2.65	ND	ND	ND
T-514	2.02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.88	ND

Compound	Acetone	Ethanol	Propylene	Methanol	2-Butanone (MEK)	m,p-Xylenes	Toluene	Trichloroethene (TCE)	Tetrahydrofuran	Ethylbenzene	Acrolein	n-Heptane	Isopropyltoluene	Cyclohexane
CAS	67-64-1	64-17-5	115-07-1	67-56-1	78-93-3	1330-20-7	108-88-3	79-01-6	109-99-9	100-41-4	107-02-8	142-82-5	99-87-6	110-82-7
Sample ID MW	58.1	46.1	42.08	32	72.1	106.2	92.1	131.4	72.1	106.2	56.1	100.2	134.2	84.2
MDL (ppbv)														
T-101	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-102	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-103	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-104	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-105	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-106	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-107	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-108	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-109	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-110	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-111	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-112	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-113	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-114	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-201	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-202	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-203	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-204	2	2	0.4	2	0.4	0.4	0.8	0.1	0.8	0.4	0.4	0.4	0.8	0.2
T-205	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-206	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-207	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-208	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-209	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-210	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-211	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-212	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-213	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-214	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-301	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-302	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-303	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-304	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-305	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-306	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-307	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-308	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-309	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-310	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-311	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-312	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-313	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-314	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-401	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-402	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-403	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-404	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-405	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-406	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-407	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-408	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-409	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-410	2	8	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-411	2	8	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-412	20	2	4	2	4	0.4	0.8	0.1	0.2	0.4	0.4	4	0.8	0.2
T-413	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-414	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-501	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-502	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-503	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-504	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-505	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-506	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-507	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-508	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-509	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-510	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-511	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-512	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-513	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2
T-514	2	2	0.4	2	0.4	0.4	0.8	0.1	0.2	0.4	0.4	0.4	0.8	0.2

Compound	Acetone	Ethanol	Propylene	Methanol	2-Butanone (MEK)	m,p-Xylenes	Toluene	Trichloroethene (TCE)	Tetrahydrofuran	Ethylbenzene	Acrolein	n-Heptane	Isopropyltoluene	Cyclohexane
CAS	67-64-1	64-17-5	115-07-1	67-56-1	78-93-3	1330-20-7	108-88-3	79-01-6	109-99-9	100-41-4	107-02-8	142-82-5	99-87-6	110-82-7
Sample ID MW	58.1	46.1	42.08	32	72.1	106.2	92.1	131.4	72.1	106.2	56.1	100.2	134.2	84.2
Data Used (ug/m3)														
T-101	28.85	<1.83E+00	1.7	<1.27E+00	12.4	<8.43E-01	3.4	<2.61E-01	<2.86E-01	<8.43E-01	4.4	<7.95E-01	<2.13E+00	<3.34E-01
T-102	62.3	166.1	3.2	<1.26E+00	28.1	<8.38E-01	<1.45E+00	<2.59E-01	<2.85E-01	<8.38E-01	5.8	<7.91E-01	<2.12E+00	<3.32E-01
T-103	48.0	82.1	1.9	6.5	13.0	<8.38E-01	<1.45E+00	<2.59E-01	<2.85E-01	<8.38E-01	5.8	<7.91E-01	<2.12E+00	<3.32E-01
T-104	223.8	135.8	3.0	14.2	141.6	<8.46E-01	4.4	<2.62E-01	<2.87E-01	<8.46E-01	12.0	<7.98E-01	9.89	<3.35E-01
T-105	41.8	45.0	2.1	4.1	20.5	3.9	3.3	<2.58E-01	<2.83E-01	2.9	7.7	<7.85E-01	6.26	<3.30E-01
T-106	39.9	475.9	3.8	<1.25E+00	<5.64E-01	11.1	11.1	<2.57E-01	<2.82E-01	4.7	<4.39E-01	<7.84E-01	11.50	<3.29E-01
T-107	25.0	58.0	2.1	<1.25E+00	<5.65E-01	25.7	39.9	<2.58E-01	5.3	16.4	<4.40E-01	<7.85E-01	13.52	<3.30E-01
T-108	26.0	35.2	7.6	5.2	<5.62E-01	2.4	5.2	<2.56E-01	<2.81E-01	<8.28E-01	8.1	<7.81E-01	<2.09E+00	<3.28E-01
T-109	24.2	88.7	2.0	5.3	<5.48E-01	27.4	13.5	<2.49E-01	4.8	25.3	10.8	<7.61E-01	139.73	<3.20E-01
T-110	15.3	98.1	1.5	5.7	<5.50E-01	4.5	<1.41E+00	<2.51E-01	<2.75E-01	4.1	4.8	<7.65E-01	18.75	<3.21E-01
T-111	58.2	42.9	<3.21E-01	<1.22E+00	24.5	<8.11E-01	<1.41E+00	<2.51E-01	<2.75E-01	<8.11E-01	4.3	<7.65E-01	<2.05E+00	<3.21E-01
T-112	15.9	79.6	<3.14E-01	6.8	<5.38E-01	19.3	11.9	<2.45E-01	5.2	19.5	4.3	<7.48E-01	70.78	<3.14E-01
T-113	16.8	81.2	<3.14E-01	5.7	<5.38E-01	20.8	10.1	<2.45E-01	4.4	17.8	4.5	<7.48E-01	78.04	<3.14E-01
T-114	<2.38E+00	<1.89E+00	1.5	<1.31E+00	<5.92E-01	<8.71E-01	<1.51E+00	<2.70E-01	<2.96E-01	<8.71E-01	<4.60E-01	<8.22E-01	<2.20E+00	<3.45E-01
T-201	40.6	102.4	2.7	13.0	24.7	<8.46E-01	<1.47E+00	<2.62E-01	<2.87E-01	<8.46E-01	8.9	<7.98E-01	<2.14E+00	<3.35E-01
T-202	51.5	80.2	3.7	20.3	20.1	<8.49E-01	3.9	<2.63E-01	<2.88E-01	<8.49E-01	10.2	<8.01E-01	<2.15E+00	<3.37E-01
T-203	58.1	51.1	3.4	17.3	7.2	<8.46E-01	3.8	<2.62E-01	<2.87E-01	<8.46E-01	5.3	<7.98E-01	<2.14E+00	<3.35E-01
T-204	471.2	43.9	489.1	398.1	514.0	979.1	904.5	52.2	2,094	755.6	118.3	721.90	1,089.48	238.20
T-205	460.4	181.7	19.5	25.3	48.7	12.3	11.3	<2.50E-01	7.3	8.6	6.2	<7.64E-01	90.77	<3.21E-01
T-206	145.4	179.3	63.3	<1.20E+00	49.6	98.0	109.4	<2.47E-01	37.4	65.9	42.0	14.35	276.79	5.06
T-207	171.1	162.4	7.2	226.5	19.2	12.5	5.2	<2.45E-01	<2.69E-01	11.0	22.1	<7.47E-01	43.91	<3.14E-01
T-208	123.9	15.2	361.4	5.1	<5.45E-01	510.0	324.0	13.2	47.1	381.3	<4.24E-01	15.75	502.66	5.31
T-209	20.7	<1.74E+00	<3.18E-01	<1.21E+00	11.3	<8.02E-01	<1.39E+00	<2.48E-01	<2.72E-01	<8.02E-01	3.5	<7.57E-01	<2.03E+00	<3.18E-01
T-210	55.0	33.0	2.9	155.3	<5.28E-01	<7.78E-01	<1.35E+00	<2.41E-01	<2.64E-01	<7.78E-01	12.6	<7.34E-01	<1.97E+00	<3.09E-01
T-211	24.3	4.2	2.7	12.2	6.0	<7.94E-01	<1.38E+00	<2.46E-01	<2.70E-01	<7.94E-01	6.5	<7.49E-01	6.52	<3.15E-01
T-212	169.6	39.3	41.3	125.9	23.5	421.5	270.7	10.7	<2.64E-01	347.0	20.5	16.93	141.04	7.70
T-213	167.8	50.4	43.6	126.2	27.0	422.4	285.4	11.6	<2.64E-01	353.4	18.0	19.10	140.01	8.93
T-214	<2.38E+00	<1.89E+00	1.5	<1.31E+00	<5.92E-01	<8.71E-01	<1.51E+00	<2.70E-01	<2.96E-01	<8.71E-01	<4.60E-01	<8.22E-01	<2.20E+00	<3.45E-01
T-301	34.0	61.8	3.4	3.6	13.3	<8.49E-01	<1.47E+00	<2.63E-01	<2.88E-01	<8.49E-01	4.1	<8.01E-01	<2.15E+00	<3.37E-01
T-302	13.9	43.9	1.8	<1.28E+00	<5.77E-01	<8.49E-01	<1.47E+00	<2.63E-01	<2.88E-01	<8.49E-01	2.2	<8.01E-01	<2.15E+00	<3.37E-01
T-303	20.6	44.1	2.6	5.6	4.1	<8.60E-01	<1.49E+00	<2.66E-01	<2.92E-01	<8.60E-01	6.0	<8.12E-01	<2.17E+00	<3.41E-01
T-304	31.0	9.3	2.5	3.1	10.3	<8.52E-01	<1.48E+00	<2.64E-01	<2.89E-01	<8.52E-01	4.1	<8.04E-01	<2.15E+00	<3.38E-01
T-305	40.4	27.2	2.9	10.8	18.7	<8.18E-01	<1.42E+00	<2.53E-01	<2.78E-01	<8.18E-01	5.2	<7.72E-01	<2.07E+00	<3.24E-01
T-306	165.2	25.7	7.7	39.5	45.5	4.3	<1.42E+00	<2.53E-01	<2.78E-01	<8.19E-01	15.3	<7.73E-01	<2.07E+00	<3.25E-01
T-307	22.0	47.2	8.0	10.5	4.5	<8.21E-01	<1.42E+00	<2.54E-01	<2.79E-01	<8.21E-01	6.0	<7.74E-01	<2.07E+00	<3.25E-01
T-308	125.9	70.1	297.1	32.7	<5.66E-01	113.5	125.4	38.4	<2.83E-01	99.7	170.4	238.34	14.17	232.35
T-309	20.3	<1.78E+00	17.2	<1.23E+00	18.6	4.1	4.8	<2.53E-01	<2.78E-01	4.9	8.1	4.14	<2.07E+00	4.51
T-310	303.6	201.5	4.3	<1.22E+00	264.9	<8.09E-01	<1.40E+00	<2.50E-01	<2.75E-01	<8.09E-01	17.5	<7.64E-01	<2.05E+00	<3.21E-01
T-311	27.9	501.9	2.3	<1.24E+00	13.9	<8.21E-01	<1.42E+00	<2.54E-01	<2.79E-01	<8.21E-01	9.2	<7.74E-01	<2.07E+00	<3.25E-01
T-312	68.1	134.7	2.7	7.0	39.6	<8.12E-01	<1.41E+00	<2.51E-01	<2.76E-01	<8.12E-01	13.5	<7.66E-01	<2.05E+00	<3.22E-01
T-313	69.4	256.4	5.0	10.1	30.8	<8.12E-01	<1.41E+00	<2.51E-01	<2.76E-01	<8.12E-01	19.6	<7.66E-01	<2.05E+00	<3.22E-01
T-314	5.4	<1.89E+00	0.9	<1.31E+00	<5.92E-01	<8.71E-01	<1.51E+00	<2.70E-01	<2.96E-01	<8.71E-01	<4.60E-01	<8.22E-01	<2.20E+00	<3.45E-01
T-401	65.3	137.9	6.8	23.0	12.7	<8.42E-01	<1.46E+00	543.0	<2.86E-01	<8.42E-01	12.2	<7.94E-01	<2.13E+00	<3.34E-01
T-402	20.8	43.9	8.5	6.8	4.6	<8.30E-01	<1.44E+00	<2.57E-01	<2.82E-01	<8.30E-01	7.3	<7.83E-01	<2.10E+00	3.55
T-403	15.6	28.1	3.0	3.2	5.5	<8.22E-01	<1.43E+00	395.3	<2.79E-01	<8.22E-01	<4.34E-01	<7.76E-01	<2.08E+00	<3.26E-01
T-404	30.4	50.0	25.7	13.3	9.4	8.5	8.7	<2.57E-01	<2.82E-01	<8.31E-01	12.4	3.69	<2.10E+00	10.01
T-405	22.7	31.8	1.8	4.4	<5.51E-01	<8.12E-01	<1.41E+00	383.1	<2.76E-01	<8.12E-01	3.0	<7.66E-01	<2.05E+00	<3.22E-01
T-406	102.8	89.8	3.9	19.2	15.1	3.9	<1.39E+00	<2.49E-01	12.9	3.4	13.8	<7.58E-01	<2.03E+00	<3.19E-01
T-407	38.5	19.1	1.5	3.0	21.7	<8.09E-01	<1.40E+00	<2.50E-01	<2.75E-01	<8.09E-01	4.7	<7.64E-01	<2.05E+00	<3.21E-01
T-408	96.2	20.0	26.1	22.4	37.9	3.4	4.8	<2.56E-01	35.1	3.1	23.7	<7.80E-01	5.12	10.81
T-409	37.0	29.1	3.5	5.5	11.4	<8.08E-01	<1.40E+00	411.4	<2.74E-01	<8.08E-01	6.0	<7.62E-01	<2.04E+00	<3.20E-01
T-410	78.0	372.3	4.0	25.5	14.8	<8.11E-01	3.1	11.2	<2.75E-01	<8.11E-01	13.0	<7.65E-01	<2.05E+00	<3.21E-01
T-411	310.9	315.6	4.5	17.9	248.0	<8.00E-01	<1.39E+00	333.3	<2.71E-01	<8.00E-01	13.0	<7.54E-01	<2.02E+00	<3.17E-01
T-412	4,293	197.9	1,445	50.8	767.7	502.9	517.8	118.7	<2.78E-01	430.5	282.1	626.07	91.26	667.29
T-413	491.1	220.8	427.7	67.2	169.8	408.2	421.2	85.4	<2.78E-01	350.1	284.0	742.53	72.27	470.40
T-414	9.7	<1.89E+00	1.6	<1.31E+00	<5.92E-01	<8.71E-01	<1.51E+00	<2.70E-01	<2.96E-01	<8.71E-01	<4.60E-01	<8.22E-01	<2.20E+00	<3.45E-01
T-501	15.4	60.4	1.7	4.1	<5.72E-01	<8.43E-01	<1.46E+00	215.1	<2.86E-01	<8.43E-01	4.7	<7.95E-01	<2.13E+00	<3.34E-01
T-502	19.8	98.9	2.1	5.7	<5.68E-01	<8.37E-01	<1.45E+00	273.7	<2.84E-01	<8.37E-01	3.1	<7.90E-01	<2.12E+00	<3.32E-01
T-503	34.8	40.1	3.0	24.0	5.9	<8.35E-01	<1.45E+00	4.9	<2.84E-01	<8.35E-01	10.1	<7.88E-01	<2.11E+00	<3.31E-01
T-504	102.5	35.9	35.5	26.0	54.1	6.0	4.7	5.1	29.0	3.6	21.9	<7.81E-01	22.65	12.11
T-505	43.0	19.0	4.4	91.2	7.3	<7.89E-01	4.0	281.5	<2.68E-01	<7.89E-01	12.6	<7.44E-01	<1.99E+00	<3.13E-01
T-506	133.7	10.2	4.3	99.2	30.0	<7.93E-01	<1.38E+00	211.2	<2.69E-01	<7.93E-01	14.5	<7.48E-01	<2.00E+00	<3.14E-01
T-507	91.4	25.9	7.1	155.7	15.5	<7.93E-01	<1.38E+00	<2.45E-01	<2.69E-01	<7.93E-01	25.7	<7.48E-01	<2.00E+00	<3.14E-01
T-508	74.6	6.1	5.6	13.1	8.2	<7.97E-01	<1.38E+00	<2.46E-01	<2.71E-01	<7.97E-01	9.8	<7.52E-01	<2.01E+00	<3.16E-01
T-509	31.8	<1.77E+00	1.6	<1.23E+00	10.8	<8.14E-01	<1.41E+00	426.3	<2.76E-01	<8.14E-01	<4.30E-01	<7.68E-01	<2.06E+00	<3.23E-01
T-510	70.0	<1.75E+00	2.9	5.1	48.0	<8.08E-01	<1.40E+00	<2.50E-01	<2.74E-01	<8.08E-01	6.1	<7.62E-01	<2.04E+00	<3.20E-01
T-511	29.4	<1.77E+00	3.2	<1.23E+00	<5.52E-01	<8.14E-01	<1.41E+00	351.4	<2.76E-01	<8.14E-01	4.9	<7.68E-01	<2.06E+00	<3.23E-01
T-512	19.7	133.7	2.5	11.3	7.8	<8.02E-01	<1.39E+00	<2.48E-01	<2.72E-01	<8.02E-01	3.0	<7.57E-01	<2.03E+00	<3.18E-01
T-513	30.2	128.9	2.2	8.6	6.5	<8.02E-01	<1.39E+00	<2.48E-01	<2.72E-01	<8.02E-01	5.6	<7.57E-01	<2.03E+00	<3.18E-01
T-514	4.8	<1.89E+00	<3.45E-01	<1.31E+00	<5.92E-01	<8.71E-01	<1.51E+00	<2.70E-01	<2.96E-01	<8.71E-01	<4.60E-01	<8.22E-01	4.85	<3.45E-01

Compound	Acetone	Ethanol	Propylene	Methanol	2-Butanone (MEK)	m,p-Xylenes	Toluene	Trichloroethene (TCE)	Tetrahydrofuran	Ethylbenzene	Acrolein	n-Heptane	Isopropyltoluene	Cyclohexane
CAS	67-64-1	64-17-5	115-07-1	67-56-1	78-93-3	1330-20-7	108-88-3	79-01-6	109-99-9	100-41-4	107-02-8	142-82-5	99-87-6	110-82-7
Sample ID MW	58.1	46.1	42.08	32	72.1	106.2	92.1	131.4	72.1	106.2	56.1	100.2	134.2	84.2
Flux (mg/m2-min)														
T-101	0.00119	<7.53E-05	0.00007	<5.23E-05	0.00051	<3.47E-05	0.00014	<1.07E-05	<1.18E-05	<3.47E-05	0.00018	<3.27E-05	<8.77E-05	<1.38E-05
T-102	0.00218	0.00582	0.00011	<4.42E-05	0.00099	<2.94E-05	<5.09E-05	<9.08E-06	<9.97E-06	<2.94E-05	0.00020	<2.77E-05	<7.42E-05	<1.16E-05
T-103	0.00181	0.00309	0.00007	0.00024	0.00049	<3.16E-05	<5.48E-05	<9.77E-06	<1.07E-05	<3.16E-05	0.00022	<2.98E-05	<7.98E-05	<1.25E-05
T-104	0.00827	0.00502	0.00011	0.00053	0.00523	<3.12E-05	0.00016	<9.67E-06	<1.06E-05	<3.12E-05	0.00044	<2.95E-05	0.00037	<1.24E-05
T-105	0.00152	0.00164	0.00008	0.00015	0.00074	0.00014	0.00012	<9.36E-06	<1.03E-05	0.00011	0.00028	<2.85E-05	0.00023	<1.20E-05
T-106	0.00141	0.01687	0.00013	<4.44E-05	<2.00E-05	0.00039	0.00039	<9.11E-06	<1.00E-05	0.00017	<1.56E-05	<2.78E-05	0.00041	<1.17E-05
T-107	0.00093	0.00215	0.00008	<4.65E-05	<2.09E-05	0.00095	0.00148	<9.54E-06	0.00019	0.00061	<1.63E-05	<2.91E-05	0.00050	<1.22E-05
T-108	0.00129	0.00174	0.00038	0.00026	<2.78E-05	0.00012	0.00026	<1.27E-05	<1.39E-05	<4.10E-05	0.00040	<3.86E-05	<1.04E-04	<1.62E-05
T-109	0.00114	0.00417	0.00009	0.00025	<2.57E-05	0.00129	0.00064	<1.17E-05	0.00023	0.00119	0.00051	<3.58E-05	0.00657	<1.50E-05
T-110	0.00057	0.00367	0.00006	0.00021	<2.06E-05	0.00017	<5.25E-05	<9.37E-06	<1.03E-05	0.00015	0.00018	<2.86E-05	0.00070	<1.20E-05
T-111	0.00315	0.00232	<1.74E-05	<6.62E-05	0.00133	<4.39E-05	<7.62E-05	<1.36E-05	<1.49E-05	<4.39E-05	0.00023	<4.14E-05	<1.11E-04	<1.74E-05
T-112	0.00060	0.00302	<1.19E-05	0.00026	<2.04E-05	0.00073	0.00045	<9.31E-06	0.00020	0.00074	0.00016	<2.84E-05	0.00269	<1.19E-05
T-113	0.00069	0.00336	<1.30E-05	0.00024	<2.23E-05	0.00086	0.00042	<1.02E-05	0.00018	0.00074	0.00019	<3.10E-05	0.00323	<1.30E-05
T-114	<9.07E-04	<7.20E-05	0.00006	<4.99E-05	<2.25E-05	<3.32E-05	<5.75E-05	<1.03E-05	<1.13E-05	<3.32E-05	<1.75E-05	<3.13E-05	<8.38E-05	<1.31E-05
T-201	0.00150	0.00379	0.00010	0.00048	0.00091	<3.13E-05	<5.44E-05	<9.69E-06	<1.06E-05	<3.13E-05	0.00033	<2.96E-05	<7.92E-05	<1.24E-05
T-202	0.00205	0.00320	0.00015	0.00081	0.00080	<3.38E-05	0.00015	<1.05E-05	<1.15E-05	<3.38E-05	0.00041	<3.19E-05	<8.55E-05	<1.34E-05
T-203	0.00250	0.00220	0.00014	0.00074	0.00031	<3.64E-05	0.00016	<1.13E-05	<1.24E-05	<3.64E-05	0.00023	<3.43E-05	<9.20E-05	<1.44E-05
T-204	0.01824	0.00170	0.01894	0.01541	0.01990	0.03791	0.03502	0.00202	0.08106	0.02925	0.00458	0.02795	0.04218	0.00922
T-205	0.02508	0.00990	0.00106	0.00138	0.00265	0.00067	0.00062	<1.36E-05	0.00040	0.00047	0.00034	<4.16E-05	0.00494	<1.75E-05
T-206	0.00853	0.01052	0.00371	<7.05E-05	0.00291	0.00575	0.00642	<1.45E-05	0.00219	0.00386	0.00246	0.00084	0.01624	0.00030
T-207	0.01214	0.01152	0.00051	0.01607	0.00137	0.00088	0.00037	<1.74E-05	<1.91E-05	0.00078	0.00157	<5.30E-05	0.00312	<2.23E-05
T-208	0.01007	0.00123	0.02938	0.00042	<4.43E-05	0.04146	0.02634	0.00107	0.00383	0.03100	<3.45E-05	0.00128	0.04087	0.00043
T-209	0.00137	<1.15E-04	<2.10E-05	<7.99E-05	0.00075	<5.31E-05	<9.20E-05	<1.64E-05	<1.80E-05	<5.31E-05	0.00023	<5.01E-05	<1.34E-04	<2.10E-05
T-210	0.00419	0.00252	0.00022	0.01184	<4.03E-05	<5.93E-05	<1.03E-04	<1.84E-05	<2.01E-05	<5.93E-05	0.00096	<5.60E-05	<1.50E-04	<2.35E-05
T-211	0.00192	0.00033	0.00021	0.00096	0.00047	<6.27E-05	<1.09E-04	<1.94E-05	<2.13E-05	<6.27E-05	0.00051	<5.91E-05	0.00051	<2.48E-05
T-212	0.00813	0.00188	0.00198	0.00604	0.00113	0.02021	0.01298	0.00051	<1.26E-05	0.01664	0.00098	0.00081	0.00676	0.00037
T-213	0.00809	0.00243	0.00210	0.00608	0.00130	0.02035	0.01375	0.00056	<1.27E-05	0.01703	0.00087	0.00092	0.00675	0.00043
T-214	<1.00E-04	<7.94E-05	0.00006	<5.51E-05	<2.48E-05	<3.66E-05	<6.34E-05	<1.13E-05	<1.24E-05	<3.66E-05	<1.93E-05	<3.45E-05	<9.24E-05	<1.45E-05
T-301	0.00123	0.00224	0.00012	0.00013	0.00048	<3.08E-05	<5.35E-05	<9.53E-06	<1.05E-05	<3.08E-05	0.00015	<2.91E-05	<7.79E-05	<1.22E-05
T-302	0.00069	0.00219	0.00009	<6.37E-05	<2.87E-05	<4.23E-05	<7.34E-05	<1.31E-05	<1.44E-05	<4.23E-05	0.00011	<3.99E-05	<1.07E-04	<1.68E-05
T-303	0.00110	0.00236	0.00014	0.00030	0.00022	<4.61E-05	<7.99E-05	<1.42E-05	<1.56E-05	<4.61E-05	0.00032	<4.35E-05	<1.16E-04	<1.83E-05
T-304	0.00181	0.00054	0.00015	0.00018	0.00060	<4.99E-05	<8.65E-05	<1.54E-05	<1.69E-05	<4.99E-05	0.00024	<4.71E-05	<1.26E-04	<1.98E-05
T-305	0.00188	0.00127	0.00013	0.00050	0.00087	<3.81E-05	<6.60E-05	<1.18E-05	<1.29E-05	<3.81E-05	0.00024	<3.59E-05	<9.62E-05	<1.51E-05
T-306	0.00749	0.00116	0.00035	0.00179	0.00206	0.00019	<6.44E-05	<1.15E-05	<1.26E-05	<3.71E-05	0.00069	<3.50E-05	<9.39E-05	<1.47E-05
T-307	0.00116	0.00249	0.00042	0.00056	0.00024	<4.34E-05	<7.52E-05	<1.34E-05	<1.47E-05	<4.34E-05	0.00032	<4.09E-05	<1.10E-04	<1.72E-05
T-308	0.00546	0.00304	0.01288	0.00142	<2.45E-05	0.00492	0.00544	0.00166	<1.23E-05	0.00432	0.00739	0.01033	0.00061	0.01007
T-309	0.00078	<6.84E-05	0.00066	<4.75E-05	0.00071	0.00016	0.00019	<9.75E-06	<1.07E-05	0.00019	0.00031	0.00016	<7.96E-05	0.00017
T-310	0.01699	0.01127	0.00024	<6.82E-05	0.01482	<4.53E-05	<7.85E-05	<1.40E-05	<1.54E-05	<4.53E-05	0.00098	<4.27E-05	<1.14E-04	<1.80E-05
T-311	0.00183	0.03291	0.00015	<8.11E-05	0.00091	<5.38E-05	<9.33E-05	<1.66E-05	<1.83E-05	<5.38E-05	0.00061	<5.08E-05	<1.36E-04	<2.13E-05
T-312	0.00326	0.00646	0.00013	0.00034	0.00190	<3.89E-05	<6.75E-05	<1.20E-05	<1.32E-05	<3.89E-05	0.00065	<3.67E-05	<9.84E-05	<1.54E-05
T-313	0.00278	0.01028	0.00020	0.00040	0.00124	<3.26E-05	<5.65E-05	<1.01E-05	<1.11E-05	<3.26E-05	0.00079	<3.07E-05	<8.23E-05	<1.29E-05
T-314	0.00024	<8.60E-05	0.00004	<5.97E-05	<2.69E-05	<3.96E-05	<6.87E-05	<1.23E-05	<1.35E-05	<3.96E-05	<2.09E-05	<3.74E-05	<1.00E-04	<1.57E-05
T-401	0.00235	0.00496	0.00025	0.00083	0.00046	<3.03E-05	<5.25E-05	0.01953	<1.03E-05	<3.03E-05	0.00044	<2.86E-05	<7.65E-05	<1.20E-05
T-402	0.00077	0.00162	0.00031	0.00025	0.00017	<3.06E-05	<5.32E-05	<9.48E-06	<1.04E-05	<3.06E-05	0.00027	<2.89E-05	<7.75E-05	0.00013
T-403	0.00064	0.00115	0.00012	0.00013	0.00022	<3.37E-05	<5.85E-05	0.01622	<1.15E-05	<3.37E-05	<1.78E-05	<3.18E-05	<8.53E-05	<1.34E-05
T-404	0.00151	0.00248	0.00127	0.00066	0.00047	0.00042	0.00043	<1.27E-05	<1.40E-05	<4.12E-05	0.00061	0.00018	<1.04E-04	0.00050
T-405	0.00095	0.00133	0.00008	0.00019	<2.30E-05	<3.39E-05	<5.88E-05	0.01600	<1.15E-05	<3.39E-05	0.00012	<3.20E-05	<8.57E-05	<1.34E-05
T-406	0.00386	0.00337	0.00015	0.00072	0.00057	0.00015	<5.24E-05	<9.34E-06	0.00049	0.00013	0.00052	<2.85E-05	<7.63E-05	<1.20E-05
T-407	0.00142	0.00071	0.00006	0.00011	0.00080	<2.99E-05	<5.19E-05	<9.26E-06	<1.02E-05	<2.99E-05	0.00017	<2.82E-05	<7.56E-05	<1.19E-05
T-408	0.00359	0.00075	0.00097	0.00084	0.00141	0.00013	0.00018	<9.55E-06	0.00131	0.00011	0.00089	<2.91E-05	0.00019	0.00040
T-409	0.00176	0.00138	0.00017	0.00026	0.00054	<3.83E-05	<6.64E-05	0.01949	<1.30E-05	<3.83E-05	0.00028	<3.61E-05	<9.67E-05	<1.52E-05
T-410	0.00350	0.01670	0.00018	0.00115	0.00067	<3.64E-05	0.00014	0.00050	<1.23E-05	<3.64E-05	0.00058	<3.43E-05	<9.19E-05	<1.44E-05
T-411	0.01682	0.01708	0.00025	0.00097	0.01342	<4.33E-05	<7.50E-05	0.01804	<1.47E-05	<4.33E-05	0.00071	<4.08E-05	<1.09E-04	<1.72E-05
T-412	0.15665	0.00722	0.05274	0.00185	0.02801	0.01835	0.01889	0.00433	<1.01E-05	0.01571	0.01029	0.02284	0.00333	0.02435
T-413	0.01776	0.00798	0.01547	0.00243	0.00614	0.01476	0.01523	0.00309	<1.01E-05	0.01266	0.01027	0.02685	0.00261	0.01701
T-414	0.00032	<6.16E-05	0.00005	<4.28E-05	<1.93E-05	<2.84E-05	<4.92E-05	<8.78E-06	<9.64E-06	<2.84E-05	<1.50E-05	<2.68E-05	<7.18E-05	<1.13E-05
T-501	0.00088	0.00346	0.00010	0.00023	<3.27E-05	<4.82E-05	<8.37E-05	0.01230	<1.64E-05	<4.82E-05	0.00027	<4.55E-05	<1.22E-04	<1.91E-05
T-502	0.00110	0.00549	0.00011	0.00032	<3.15E-05	<4.64E-05	<8.05E-05	0.01518	<1.58E-05	<4.64E-05	0.00017	<4.38E-05	<1.17E-04	<1.84E-05
T-503	0.00146	0.00168	0.00013	0.00100	0.00025	<3.50E-05	<6.07E-05	0.00020	<1.19E-05	<3.50E-05	0.00042	<3.30E-05	<8.85E-05	<1.39E-05
T-504	0.00490	0.00172	0.00170	0.00124	0.00259	0.00029	0.00023	0.00024	0.00139	0.00017	0.00105	<3.74E-05	0.00108	0.00058
T-505	0.00242	0.00107	0.00025	0.00514	0.00041	<4.45E-05	0.00023	0.01586	<1.51E-05	<4.45E-05	0.00071	<4.19E-05	<1.12E-04	<1.76E-05
T-506	0.00778	0.00059	0.00025	0.00577	0.00174	<4.61E-05	<8.00E-05	0.01229	<1.57E-05	<4.61E-05	0.00084	<4.35E-05	<1.17E-04	<1.83E-05
T-507	0.00475	0.00135	0.00037	0.00809	0.00081	<4.12E-05	<7.15E-05	<1.27E-05	<1.40E-05	<4.12E-05	0.00133	<3.89E-05	<1.04E-04	<1.63E-05
T-508	0.00348	0.00028	0.00026	0.00061	0.00038	<3.72E-05	<6.45E-05	<1.15E-05	<1.26E-05	<3.72E-05	0.00046	<3.51E-05	<9.39E-05	<1.47E-05
T-509	0.00122	<6.78E-05	0.00006	<4.70E-05	0.00041	<3.12E-05	<5.42E-05	0.01636	<1.06E-05	<3.12E-05	<1.65E-05	<2.95E-05	<7.89E-05	<1.24E-05
T-510	0.00316	<7.91E-05	0.00013	0.00023	0.00217	<3.65E-05	<6.32E-05	<1.13E-05	<1.24E-05	<3.65E-05	0.00028	<3.44E-05	<9.21E-05	<1.45E-05
T-511	0.00108	<6.48E-05	0.00012	<4.50E-05	<2.03E-05	<2.98E-05	<5.18E-05	0.01289	<1.01E-05	<2.98E-05	0.00018	<2.82E-05	<7.54E-05	<1.18E-05
T-512	0.00119	0.00808	0.00015	0.00068	0.00047	<4.85E-05	<8.40E-05	<1.50E-05	<1.64E-05	<4.85E-05	0.00018	<4.57E-05	<1.22E-04	<1.92E-05
T-513	0.00155	0.00664	0.00011	0.00044	0.00034	<4.14E-05	<7.17E-05	<1.28E-05	<1.40E-05	<4.14E-05	0.00029	<3.90E-05	<1.05E-04	<1.64E-05
T-514	0.00021	<8.35E-05	<1.52E-05	<5.80E-05	<2.61E-05	<3.85E-05	<6.67E-05	<1.19E-05	<1.31E-05	<3.85E-05	<2.03E-05	<3.63E-05	0.00021	<1.52E-05

Sample ID	Compound	o-Xylene	Hexane	Chloromethane	Benzene	4-Ethyltoluene	Nonane	1,2,4-Trimethylbenzene	Bromomethane	Octane	Decane	2-Hexanone	Isopropylbenzene	4-Methyl-2-pentanone (MIBK)	1,2-Dichloroethane
	CAS	95-47-6	110-54-3	74-87-3	71-43-2	622-96-8	111-84-2	95-63-6	74-83-9	111-65-9	124-18-5	591-78-6	98-82-8	108-10-1	107-06-2
	MW	106.2	86.2	50.5	78.1	120.2	128.3	120.2	94.9	114.2	142.3	100.2	120.2	100.2	99
Lab Data (ppbv)															
T-101		ND	1.52	3.69	1.7	ND	ND	ND	ND	ND	ND	6.41	ND	ND	ND
T-102		ND	2.42	3.77	2.37	ND	ND	ND	ND	ND	ND	9.07	ND	ND	ND
T-103		ND	1.89	3.87	1.72	ND	ND	ND	ND	ND	ND	3.6	ND	ND	ND
T-104		ND	1.75	4.04	1.71	ND	ND	ND	ND	ND	ND	11.53	ND	1.97	ND
T-105		ND	17.09	3.68	2.52	ND	ND	ND	ND	ND	ND	6.76	ND	ND	ND
T-106		0.89	38.27	3.86	4.67	ND	0.58	ND	ND	ND	ND	1.3	ND	ND	ND
T-107		1.53	44.46	3.69	9.64	ND	1.94	ND	ND	0.96	1.64	1.86	ND	ND	ND
T-108		ND	39.89	3.87	1.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109		3.35	52.78	3.64	7.51	4.3	2.84	3.95	ND	0.74	8.45	ND	3.34	ND	ND
T-110		ND	2.12	3.59	2.33	0.85	ND	ND	ND	ND	1.06	ND	ND	ND	ND
T-111		ND	1.55	3.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112		2.64	2.03	ND	8.32	3.67	2.47	3.6	ND	ND	5.89	ND	2.58	ND	ND
T-113		2.49	1.51	ND	6.68	3.28	2.2	3.13	ND	ND	5.85	ND	2.32	ND	ND
T-114		ND	0.86	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201		ND	ND	1.15	2.59	ND	ND	ND	ND	ND	ND	10.8	ND	ND	ND
T-202		ND	ND	1.1	1.81	ND	ND	ND	ND	ND	ND	4.14	ND	ND	ND
T-203		ND	ND	1.72	1.59	ND	ND	ND	ND	ND	ND	1.04	ND	ND	ND
T-204		174.51	40.9	180.78	72	154.82	195.65	111.48	148.52	102.44	129.04	ND	67.06	122.93	64.93
T-205		1.73	ND	8.32	1.87	1.15	ND	ND	3.63	ND	ND	ND	ND	ND	ND
T-206		8.28	1.13	29.35	3.41	5.8	7.26	4.4	12.62	2.05	6.87	ND	ND	2.77	ND
T-207		2.43	ND	7.42	1.6	ND	ND	ND	4.73	ND	ND	ND	ND	ND	ND
T-208		45.01	1.97	23.44	ND	20.44	26.15	13.24	20.67	7.06	19.63	ND	8.04	ND	ND
T-209		ND	ND	2.38	ND	ND	ND	ND	2.02	ND	ND	ND	ND	ND	ND
T-210		ND	ND	3.34	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND
T-211		ND	ND	2.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212		81.75	2.59	10.54	3.8	55.88	ND	51.67	4.06	ND	14.72	ND	20.92	ND	ND
T-213		83.83	2.48	10.41	5.28	57.95	ND	53.9	3.93	ND	15.59	ND	21.15	ND	ND
T-214		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301		ND	ND	0.97	2.08	ND	ND	ND	ND	ND	ND	3.16	ND	ND	ND
T-302		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303		ND	1.66	1.81	1.67	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND
T-304		ND	1.02	1.21	ND	ND	ND	ND	ND	ND	ND	3.36	ND	ND	ND
T-305		ND	1.12	1.49	ND	ND	ND	ND	ND	ND	ND	3.88	ND	ND	ND
T-306		ND	1.06	3.51	ND	ND	ND	ND	3.25	ND	ND	8.89	ND	ND	ND
T-307		ND	0.78	1.36	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308		8.59	49.43	11.85	24.92	2.61	ND	ND	4.57	ND	ND	ND	2.59	ND	10.25
T-309		0.72	1.1	1.23	2.07	ND	ND	ND	ND	ND	ND	1.42	ND	ND	ND
T-310		ND	1.22	1.97	2.1	ND	ND	ND	ND	ND	ND	13.11	ND	3.13	ND
T-311		ND	0.57	1.68	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND
T-312		ND	0.85	1.74	1.9	ND	ND	ND	1.2	ND	ND	3.43	ND	ND	ND
T-313		ND	1.36	2.84	2.09	ND	ND	ND	2.31	ND	ND	5.98	ND	ND	ND
T-314		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401		ND	ND	2.42	2.71	ND	ND	ND	2.09	ND	ND	ND	ND	ND	ND
T-402		ND	ND	1.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404		0.93	1.27	1.45	1.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405		ND	ND	0.74	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406		0.9	ND	2.33	2.53	ND	ND	ND	ND	ND	ND	ND	ND	1.81	ND
T-407		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.61	ND	ND	ND
T-408		0.56	1.54	3.37	2.22	ND	ND	ND	1.95	ND	ND	ND	ND	ND	ND
T-409		ND	ND	1.25	2.09	ND	ND	ND	1.54	ND	ND	3.69	ND	ND	ND
T-410		1.12	2.2	ND	2.04	ND	ND	ND	4.56	ND	ND	5.02	ND	1.53	ND
T-411		ND	2.99	2.54	1.81	ND	ND	ND	2.48	ND	ND	37.86	ND	3.64	ND
T-412		41.74	60.85	ND	94.43	12.37	31.72	4.96	4.2	69.08	ND	ND	10.99	ND	30.4
T-413		34.78	105.96	ND	71.45	10.74	23.64	4.31	7.86	54.52	ND	ND	9.18	ND	26.03
T-414		ND	ND	ND	1.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503		ND	ND	1.44	2.1	ND	ND	ND	ND	ND	ND	2.36	ND	ND	ND
T-504		1.03	3.14	4.37	3.72	ND	ND	ND	1.88	ND	ND	13.41	ND	ND	ND
T-505		ND	2.14	2.39	1.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506		ND	1.24	2.39	ND	ND	ND	ND	ND	ND	ND	6.22	ND	ND	ND
T-507		ND	ND	2.96	ND	ND	ND	ND	1.93	ND	ND	ND	ND	ND	ND
T-508		ND	ND	1.39	2.34	ND	ND	ND	ND	ND	ND	2.35	ND	ND	ND
T-509		ND	ND	0.81	ND	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND
T-510		ND	ND	ND	1.45	ND	ND	ND	ND	ND	ND	9.26	ND	ND	ND
T-511		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.36	ND	ND	ND
T-512		ND	ND	1.41	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513		ND	ND	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Compound	o-Xylene	Hexane	Chloromethane	Benzene	4-Ethyltoluene	Nonane	1,2,4-Trimethylbenzene	Bromomethane	Octane	Decane	2-Hexanone	Isopropylbenzene	4-Methyl-2-pentanone (MIBK)	1,2-Dichloroethane
	CAS	95-47-6	110-54-3	74-87-3	71-43-2	622-96-8	111-84-2	95-63-6	74-83-9	111-65-9	124-18-5	591-78-6	98-82-8	108-10-1	107-06-2
	MW	106.2	86.2	50.5	78.1	120.2	128.3	120.2	94.9	114.2	142.3	100.2	120.2	100.2	99
MDL (ppbv)															
T-101		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-102		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-103		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-104		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-105		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-106		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-107		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-108		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-109		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-110		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-111		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-112		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-113		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-114		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-201		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-202		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-203		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-204		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-205		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-206		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-207		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-208		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-209		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-210		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-211		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-212		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-213		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-214		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-301		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-302		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-303		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-304		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-305		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-306		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-307		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-308		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-309		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-310		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-311		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-312		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-313		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-314		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-401		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-402		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-403		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-404		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-405		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-406		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-407		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-408		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-409		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-410		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-411		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-412		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-413		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-414		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-501		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-502		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-503		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-504		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-505		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-506		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-507		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-508		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-509		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-510		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-511		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-512		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-513		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2
T-514		0.4	0.4	0.6	1.4	0.8	0.4	0.8	0.4	0.4	0.8	0.4	0.8	0.4	0.2

Sample ID	Compound	o-Xylene	Hexane	Chloromethane	Benzene	4-Ethyltoluene	Nonane	1,2,4-Trimethylbenzene	Bromomethane	Octane	Decane	2-Hexanone	Isopropylbenzene	4-Methyl-2-pentanone (MIBK)	1,2-Dichloroethane
	CAS	95-47-6	110-54-3	74-87-3	71-43-2	622-96-8	111-84-2	95-63-6	74-83-9	111-65-9	124-18-5	591-78-6	98-82-8	108-10-1	107-06-2
	MW	106.2	86.2	50.5	78.1	120.2	128.3	120.2	94.9	114.2	142.3	100.2	120.2	100.2	99
Data Used (ug/m3)															
T-101		<8.43E-01	5.20	7.40	5.27	<1.91E+00	<1.02E+00	<1.91E+00	<7.53E-01	<9.07E-01	<2.26E+00	25.49	<1.91E+00	<7.95E-01	<3.93E-01
T-102		<8.38E-01	8.23	7.52	7.31	<1.90E+00	<1.01E+00	<1.90E+00	<7.49E-01	<9.02E-01	<2.25E+00	35.88	<1.90E+00	<7.91E-01	<3.91E-01
T-103		<8.38E-01	6.43	7.72	5.30	<1.90E+00	<1.01E+00	<1.90E+00	<7.49E-01	<9.02E-01	<2.25E+00	14.24	<1.90E+00	<7.91E-01	<3.91E-01
T-104		<8.46E-01	6.01	8.13	5.32	<1.92E+00	<1.02E+00	<1.92E+00	<7.56E-01	<9.10E-01	<2.27E+00	46.02	<1.92E+00	7.86	<3.94E-01
T-105		<8.32E-01	57.74	7.28	7.71	<1.88E+00	<1.01E+00	<1.88E+00	<7.44E-01	<8.95E-01	<2.23E+00	26.55	<1.88E+00	<7.85E-01	<3.88E-01
T-106		3.70	129.07	7.63	14.27	<1.88E+00	2.91	<1.88E+00	<7.43E-01	<8.94E-01	<2.23E+00	5.10	<1.88E+00	<7.84E-01	<3.87E-01
T-107		6.37	150.21	7.30	29.51	<1.88E+00	9.76	<1.88E+00	<7.44E-01	4.30	9.15	7.30	<1.88E+00	<7.85E-01	<3.88E-01
T-108		<8.28E-01	134.05	7.62	5.51	<1.87E+00	<1.00E+00	<1.87E+00	<7.40E-01	<8.90E-01	<2.22E+00	<7.81E-01	<1.87E+00	<7.81E-01	<3.86E-01
T-109		13.51	172.76	6.98	22.27	19.63	13.84	18.03	<7.21E-01	3.21	45.66	<7.61E-01	15.24	<7.61E-01	<3.76E-01
T-110		<8.11E-01	6.98	6.92	6.95	3.90	<9.79E-01	<1.84E+00	<7.24E-01	<8.72E-01	5.76	<7.65E-01	<1.84E+00	<7.65E-01	<3.78E-01
T-111		<8.11E-01	5.10	6.59	<2.09E+00	<1.84E+00	<9.79E-01	<1.84E+00	<7.24E-01	<8.72E-01	<2.17E+00	<7.65E-01	<1.84E+00	<7.65E-01	<3.78E-01
T-112		10.47	6.53	<5.66E-01	24.25	16.47	11.83	16.15	<7.08E-01	<8.53E-01	31.29	<7.48E-01	11.58	<7.48E-01	<3.70E-01
T-113		9.87	4.86	<5.66E-01	19.47	14.72	10.54	14.04	<7.08E-01	<8.53E-01	31.07	<7.48E-01	10.41	<7.48E-01	<3.70E-01
T-114		<8.71E-01	3.04	<6.22E-01	<2.24E+00	<1.97E+00	<1.05E+00	<1.97E+00	<7.79E-01	<9.37E-01	<2.34E+00	<8.22E-01	<1.97E+00	<8.22E-01	<4.06E-01
T-201		<8.46E-01	<6.87E-01	2.31	8.06	<1.92E+00	<1.02E+00	<1.92E+00	<7.56E-01	<9.10E-01	<2.27E+00	43.11	<1.92E+00	<7.98E-01	<3.94E-01
T-202		<8.49E-01	<6.89E-01	2.22	5.65	<1.92E+00	<1.03E+00	<1.92E+00	<7.59E-01	<9.13E-01	<2.28E+00	16.58	<1.92E+00	<8.01E-01	<3.96E-01
T-203		<8.46E-01	<6.87E-01	3.46	4.95	<1.92E+00	<1.02E+00	<1.92E+00	<7.56E-01	<9.10E-01	<2.27E+00	4.15	<1.92E+00	<7.98E-01	<3.94E-01
T-204		728.99	138.68	359.10	221.19	732.00	987.38	527.08	554.41	460.16	722.28	<7.88E-01	317.06	484.51	252.85
T-205		7.00	<6.57E-01	16.01	5.57	5.27	<9.78E-01	<1.83E+00	13.13	<8.70E-01	<2.17E+00	<7.64E-01	<1.83E+00	<7.64E-01	<3.77E-01
T-206		33.05	3.66	55.70	10.01	26.20	35.01	19.88	45.01	8.80	36.74	<7.53E-01	<1.81E+00	10.43	<3.72E-01
T-207		9.62	<6.42E-01	13.96	4.66	<1.79E+00	<9.56E-01	<1.79E+00	16.73	<8.51E-01	<2.12E+00	<7.47E-01	<1.79E+00	<7.47E-01	<3.69E-01
T-208		180.58	6.42	44.72	<2.07E+00	92.81	126.74	60.12	74.10	30.46	105.52	<7.57E-01	36.51	<7.57E-01	<3.74E-01
T-209		<8.02E-01	<6.51E-01	4.54	<2.07E+00	<1.82E+00	<9.69E-01	<1.82E+00	7.24	<8.63E-01	<2.15E+00	<7.57E-01	<1.82E+00	<7.57E-01	<3.74E-01
T-210		<7.78E-01	<6.32E-01	6.18	<2.00E+00	<1.76E+00	<9.40E-01	<1.76E+00	8.69	<8.37E-01	<2.09E+00	<7.34E-01	<1.76E+00	<7.34E-01	<3.63E-01
T-211		<7.94E-01	<6.45E-01	4.25	<2.04E+00	<1.80E+00	<9.59E-01	<1.80E+00	<7.10E-01	<8.54E-01	<2.13E+00	<7.49E-01	<1.80E+00	<7.49E-01	<3.70E-01
T-212		317.58	8.17	19.47	10.86	245.70	<9.39E-01	227.19	14.09	<8.35E-01	76.62	<7.33E-01	91.98	<7.33E-01	<3.62E-01
T-213		325.66	7.82	19.23	15.08	254.80	<9.39E-01	236.99	13.64	<8.35E-01	81.15	<7.33E-01	92.99	<7.33E-01	<3.62E-01
T-214		<8.71E-01	<7.07E-01	<6.22E-01	<2.24E+00	<1.97E+00	<1.05E+00	<1.97E+00	<7.79E-01	<9.37E-01	<2.34E+00	<8.22E-01	<1.97E+00	<8.22E-01	<4.06E-01
T-301		<8.49E-01	<6.89E-01	1.96	6.49	<1.92E+00	<1.03E+00	<1.92E+00	<7.59E-01	<9.13E-01	<2.28E+00	12.66	<1.92E+00	<8.01E-01	<3.96E-01
T-302		<8.49E-01	<6.89E-01	<6.06E-01	<2.19E+00	<1.92E+00	<1.03E+00	<1.92E+00	<7.59E-01	<9.13E-01	<2.28E+00	<8.01E-01	<1.92E+00	<8.01E-01	<3.96E-01
T-303		<8.60E-01	5.79	3.70	5.28	<1.95E+00	<1.04E+00	<1.95E+00	<7.69E-01	<9.25E-01	<2.31E+00	6.09	<1.95E+00	<8.12E-01	<4.01E-01
T-304		<8.52E-01	3.53	2.45	<2.19E+00	<1.93E+00	<1.03E+00	<1.93E+00	<7.62E-01	<9.16E-01	<2.28E+00	13.51	<1.93E+00	<8.04E-01	<3.97E-01
T-305		<8.18E-01	3.72	2.90	<2.11E+00	<1.85E+00	<9.88E-01	<1.85E+00	<7.31E-01	<8.79E-01	<2.19E+00	14.97	<1.85E+00	<7.72E-01	<3.81E-01
T-306		<8.19E-01	3.52	6.84	<2.11E+00	<1.85E+00	<9.90E-01	<1.85E+00	11.90	<8.81E-01	<2.20E+00	34.36	<1.85E+00	<7.73E-01	<3.82E-01
T-307		<8.21E-01	2.60	2.65	<2.11E+00	<1.86E+00	<9.92E-01	<1.86E+00	<7.33E-01	<8.83E-01	<2.20E+00	<7.74E-01	<1.86E+00	<7.74E-01	<3.83E-01
T-308		35.82	167.30	23.50	76.42	12.32	<1.01E+00	<1.89E+00	17.03	<8.97E-01	<2.23E+00	<7.87E-01	12.22	<7.87E-01	39.84
T-309		2.95	3.66	2.40	6.24	<1.85E+00	<9.90E-01	<1.85E+00	<7.32E-01	<8.81E-01	<2.20E+00	5.49	<1.85E+00	<7.73E-01	<3.82E-01
T-310		<8.09E-01	4.01	3.79	6.25	<1.83E+00	<9.78E-01	<1.83E+00	<7.23E-01	<8.70E-01	<2.17E+00	50.06	<1.83E+00	11.95	<3.77E-01
T-311		<8.21E-01	1.90	3.28	<2.11E+00	<1.86E+00	<9.92E-01	<1.86E+00	<7.33E-01	<8.83E-01	<2.20E+00	4.65	<1.86E+00	<7.74E-01	<3.83E-01
T-312		<8.12E-01	2.80	3.36	5.67	<1.84E+00	<9.81E-01	<1.84E+00	4.35	<8.73E-01	<2.18E+00	13.14	<1.84E+00	<7.66E-01	<3.79E-01
T-313		<8.12E-01	4.48	5.48	6.24	<1.84E+00	<9.81E-01	<1.84E+00	8.38	<8.73E-01	<2.18E+00	22.91	<1.84E+00	<7.66E-01	<3.79E-01
T-314		<8.71E-01	<7.07E-01	<6.22E-01	<2.24E+00	<1.97E+00	<1.05E+00	<1.97E+00	<7.79E-01	<9.37E-01	<2.34E+00	<8.22E-01	<1.97E+00	<8.22E-01	<4.06E-01
T-401		<8.42E-01	<6.83E-01	4.84	8.39	<1.90E+00	<1.02E+00	<1.90E+00	7.86	<9.05E-01	<2.26E+00	<7.94E-01	<1.90E+00	<7.94E-01	<3.92E-01
T-402		<8.30E-01	<6.73E-01	2.88	<2.14E+00	<1.88E+00	<1.00E+00	<1.88E+00	<7.41E-01	<8.92E-01	<2.22E+00	<7.83E-01	<1.88E+00	<7.83E-01	<3.87E-01
T-403		<8.22E-01	<6.67E-01	<5.86E-01	<2.12E+00	<1.86E+00	<9.93E-01	<1.86E+00	<7.35E-01	<8.84E-01	<2.20E+00	<7.76E-01	<1.86E+00	<7.76E-01	<3.83E-01
T-404		3.86	4.28	2.86	5.99	<1.88E+00	<1.00E+00	<1.88E+00	<7.43E-01	<8.94E-01	<2.23E+00	<7.84E-01	<1.88E+00	<7.84E-01	<3.87E-01
T-405		<8.12E-01	<6.59E-01	1.43	<2.09E+00	<1.84E+00	<9.81E-01	<1.84E+00	<7.26E-01	<8.73E-01	<2.18E+00	<7.66E-01	<1.84E+00	<7.66E-01	<3.79E-01
T-406		3.62	<6.52E-01	4.45	7.48	<1.82E+00	<9.71E-01	<1.82E+00	<7.18E-01	<8.64E-01	<2.15E+00	<7.58E-01	<1.82E+00	6.86	<3.75E-01
T-407		<8.09E-01	<6.57E-01	<5.77E-01	<2.08E+00	<1.83E+00	<9.78E-01	<1.83E+00	<7.23E-01	<8.70E-01	<2.17E+00	17.60	<1.83E+00	<7.64E-01	<3.77E-01
T-408		2.31	5.17	6.62	6.75	<1.87E+00	<9.99E-01	<1.87E+00	7.20	<8.89E-01	<2.22E+00	<7.80E-01	<1.87E+00	<7.80E-01	<3.85E-01
T-409		<8.08E-01	<6.56E-01	2.40	6.21	<1.83E+00	<9.76E-01	<1.83E+00	5.56	<8.69E-01	<2.17E+00	14.06	<1.83E+00	<7.62E-01	<3.77E-01
T-410		4.54	7.24	<5.78E-01	6.08	<1.84E+00	<9.79E-01	<1.84E+00	16.52	<8.72E-01	<2.17E+00	19.20	<1.84E+00	5.85	<3.78E-01
T-411		<8.00E-01	9.70	4.83	5.32	<1.81E+00	<9.66E-01	<1.81E+00	8.86	<8.60E-01	<2.14E+00	142.82	<1.81E+00	13.73	<3.73E-01
T-412		170.99	202.33	<5.84E-01	284.48	57.35	156.98	23.00	15.37	304.31	<2.20E+00	<7.73E-01	50.96	<7.73E-01	116.09
T-413		142.48	352.33	<5.84E-01	215.25	49.80	117.00	19.98	28.77	240.17	<2.20E+00	<7.73E-01	42.56	<7.73E-01	99.40
T-414		<8.71E-01	<7.07E-01	<6.22E-01	5.38	<1.97E+00	<1.05E+00	<1.97E+00	<7.79E-01	<9.37E-01	<2.34E+00	<8.22E-01	<1.97E+00	<8.22E-01	<4.06E-01
T-501		<8.43E-01	<6.84E-01	<6.01E-01	<2.17E+00	<1.91E+00	<1.02E+00	<1.91E+00	<7.53E-01	<9.07E-01	<2.26E+00	<7.95E-01	<1.91E+00	<7.95E-01	<3.93E-01
T-502		<8.37E-01	<6.79E-01	<5.97E-01	<2.15E+00	<1.89E+00	<1.01E+00	<1.89E+00	<7.48E-01	<9.00E-01	<2.24E+00	<7.90E-01	<1.89E+00	<7.90E-01	<3.90E-01
T-503		<8.35E-01	<6.78E-01	2.86	6.45	<1.89E+00	<1.01E+00	<1.89E+00	<7.47E-01	<8.98E-01	<2.24E+00	9.30	<1.89E+00	<7.88E-01	<3.89E-01
T-504		4.26	10.55	8.60	11.33	<1.87E+00	<1.00E+00	<1.87E+00	6.96	<8.90E-01	<2.22E+00	52.38	<1.87E+00	<7.81E-01	<3.86E-01
T-505		<7.89E-01	6.85	4.48	4.58	<1.79E+00	<9.53E-01	<1.79E+00	<7.05E-01	<8.48E-01	<2.11E+00	<7.44E-01	<1.79E+00	<7.44E-01	<3.68E-01
T-506		<7.93E-01	3.99	4.51	<2.04E+00	<1.79E+00	<9.58E-01	<1.79E+00	<7.08E-01	<8.53E-01	<2.12E+00	23.26	<1.79E+00	<7.48E-01	<3.70E-01
T-507		<7.93E-01	<6.44E-01	5.58	<2.04E+00	<1.79E+00	<9.58E-01	<1.79E+00	6.84	<8.53E-01	<2.12E+00	<7.48E-01	<1.79E+00	<7.48E-01	<3.70E-01
T-508		<7.97E-01	<6.47E-01	2.63	6.86	<1.80E+00	<9.63E-01	<1.80E+00	<7.12E-01	<8.57E-01	<2.14E+00	8.83	<1.80E+00	<7.52E-01	<3.71E-01
T-509		<8.14E-01	<6.60E-01	1.57	<2.09E+00	<1.84E+00	<9.83E-01	<1.84E+00	<7.27E-01	<8.75E-01	<2.18E+00	11.13	<1.84E+00	<7.68E-01	<3.79E-01
T-510		<8.08E-01	<6.56E-01	<5.76E-01	4.31	<1.83E+00	<9.76E-01	<1.83E+00	<7.22E-01	<8.69E-01	<2.17E+00	35.29	<1.83E+00	<7.62E-01	<3.77E-01
T-511		<8.14E-01	<6.60E-01	<5.80E-01	<2.09E+00	<1.84E+00	<9.83E-01	<1.84E+00	<7.27E-01	<8.75E-01	<2.18E+00	5.22	<1.84E+00	<7.68E-01	<3.79E-01
T-512		<8.02E-01	<6.51E-01	2.69	<2.07E+00	<1.82E+00	<9.69E-01	<1.82E+00	<7.17E-01	<8.63E-01	<2.15E+00	<7.57E-01	<1.82E+00	<7.57E-01	<3.74E-01
T-513		<8.02E-01	<6.51E-01	2.38	<2.07E+00	<1.82E+00	<9.69E-01	<1.82E+00	<7.17E-01	<8.63E-01	<2.15E+00	<7.57E-01	<1.82E+00	<7.57E-01	<3.74E-01
T-514		<8.71E-01	<7.07E-01	<6.22E-01	<2.24E+00	<1.97E+00	<1.05E+00	<1.97E+00	<7.79E-01	<9.37E-01	<2.34E+00	<8.22E-01	<1.97E+00	<8.22E-01	<4.06E-01

Compound	o-Xylene	Hexane	Chloromethane	Benzene	4-Ethyltoluene	Nonane	1,2,4-Trimethylbenzene	Bromomethane	Octane	Decane	2-Hexanone	Isopropylbenzene	4-Methyl-2-pentanone (MIBK)	1,2-Dichloroethane
CAS	95-47-6	110-54-3	74-87-3	71-43-2	622-96-8	111-84-2	95-63-6	74-83-9	111-65-9	124-18-5	591-78-6	98-82-8	108-10-1	107-06-2
Sample ID MW	106.2	86.2	50.5	78.1	120.2	128.3	120.2	94.9	114.2	142.3	100.2	120.2	100.2	99
Flux (mg/m2-min)														
T-101	<3.47E-05	0.00021	0.00030	0.00022	<7.85E-05	<4.19E-05	<7.85E-05	<3.10E-05	<3.73E-05	<9.30E-05	0.00105	<7.85E-05	<3.27E-05	<1.62E-05
T-102	<2.94E-05	0.00029	0.00026	0.00026	<6.65E-05	<3.55E-05	<6.65E-05	<2.62E-05	<3.16E-05	<7.87E-05	0.00126	<6.65E-05	<2.77E-05	<1.37E-05
T-103	<3.16E-05	0.00024	0.00029	0.00020	<7.15E-05	<3.82E-05	<7.15E-05	<2.82E-05	<3.40E-05	<8.46E-05	0.00054	<7.15E-05	<2.98E-05	<1.47E-05
T-104	<3.12E-05	0.00022	0.00030	0.00020	<7.07E-05	<3.78E-05	<7.07E-05	<2.79E-05	<3.36E-05	<8.37E-05	0.00170	<7.07E-05	0.00029	<1.46E-05
T-105	<3.03E-05	0.00210	0.00026	0.00028	<6.85E-05	<3.65E-05	<6.85E-05	<2.70E-05	<3.25E-05	<8.11E-05	0.00096	<6.85E-05	<2.85E-05	<1.41E-05
T-106	0.00013	0.00457	0.00027	0.00051	<6.67E-05	0.00010	<6.67E-05	<2.63E-05	<3.17E-05	<7.89E-05	0.00018	<6.67E-05	<2.78E-05	<1.37E-05
T-107	0.00024	0.00556	0.00027	0.00109	<6.98E-05	0.00036	<6.98E-05	<2.76E-05	0.00016	0.00034	0.00027	<6.98E-05	<2.91E-05	<1.44E-05
T-108	<4.10E-05	0.00663	0.00038	0.00027	<9.27E-05	<4.95E-05	<9.27E-05	<3.66E-05	<4.40E-05	<1.10E-04	<3.86E-05	<9.27E-05	<3.86E-05	<1.91E-05
T-109	0.00064	0.00812	0.00033	0.00105	0.00092	0.00065	0.00085	<3.39E-05	0.00015	0.00215	<3.58E-05	0.00072	<3.58E-05	<1.77E-05
T-110	<3.03E-05	0.00026	0.00026	0.00026	0.00015	<3.66E-05	<6.86E-05	<2.71E-05	<3.26E-05	0.00022	<2.86E-05	<6.86E-05	<2.86E-05	<1.41E-05
T-111	<4.39E-05	0.00028	0.00036	<1.13E-04	<9.94E-05	<5.31E-05	<9.94E-05	<3.93E-05	<4.72E-05	<1.18E-04	<4.14E-05	<9.94E-05	<4.14E-05	<2.05E-05
T-112	0.00040	0.00025	<2.15E-05	0.00092	0.00063	0.00045	0.00061	<2.69E-05	<3.24E-05	0.00119	<2.84E-05	0.00044	<2.84E-05	<1.40E-05
T-113	0.00041	0.00020	<2.34E-05	0.00081	0.00061	0.00044	0.00058	<2.94E-05	<3.53E-05	0.00129	<3.10E-05	0.00043	<3.10E-05	<1.53E-05
T-114	<3.32E-05	0.00012	<2.36E-05	<8.53E-05	<7.50E-05	<4.00E-05	<7.50E-05	<2.96E-05	<3.56E-05	<8.88E-05	<3.13E-05	<7.50E-05	<3.13E-05	<1.55E-05
T-201	<3.13E-05	<2.54E-05	0.00009	0.00030	<7.09E-05	<3.79E-05	<7.09E-05	<2.80E-05	<3.37E-05	<8.40E-05	0.00160	<7.09E-05	<2.96E-05	<1.46E-05
T-202	<3.38E-05	<2.74E-05	0.00009	0.00023	<7.65E-05	<4.08E-05	<7.65E-05	<3.02E-05	<3.64E-05	<9.06E-05	0.00066	<7.65E-05	<3.19E-05	<1.58E-05
T-203	<3.64E-05	<2.95E-05	0.00015	0.00021	<8.24E-05	<4.40E-05	<8.24E-05	<3.25E-05	<3.91E-05	<9.75E-05	0.00018	<8.24E-05	<3.43E-05	<1.70E-05
T-204	0.02822	0.00537	0.01390	0.00856	0.02834	0.03823	0.02041	0.02146	0.01782	0.02796	<3.05E-05	0.01228	0.01876	0.00979
T-205	0.00038	<3.58E-05	0.00087	0.00030	0.00029	<5.33E-05	<9.98E-05	0.00072	<4.74E-05	<1.18E-04	<4.16E-05	<9.98E-05	<4.16E-05	<2.05E-05
T-206	0.00194	0.00021	0.00327	0.00059	0.00154	0.00205	0.00117	0.00264	0.00052	0.00216	<4.42E-05	<1.06E-04	0.00061	<2.18E-05
T-207	0.00068	<4.56E-05	0.00099	0.00033	<1.27E-04	<6.79E-05	<1.27E-04	0.00119	<6.04E-05	<1.51E-04	<5.30E-05	<1.27E-04	<5.30E-05	<2.62E-05
T-208	0.01468	0.00052	0.00364	<1.68E-04	0.00755	0.01030	0.00489	0.00602	0.00248	0.00858	<6.16E-05	0.00297	<6.16E-05	<3.04E-05
T-209	<5.31E-05	<4.31E-05	0.00030	<1.37E-04	<1.20E-04	<6.41E-05	<1.20E-04	0.00048	<5.70E-05	<1.42E-04	<5.01E-05	<1.20E-04	<5.01E-05	<2.47E-05
T-210	<5.93E-05	<4.82E-05	0.00047	<1.53E-04	<1.34E-04	<7.17E-05	<1.34E-04	0.00066	<6.38E-05	<1.59E-04	<5.60E-05	<1.34E-04	<5.60E-05	<2.77E-05
T-211	<6.27E-05	<5.09E-05	0.00034	<1.61E-04	<1.42E-04	<7.57E-05	<1.42E-04	<5.60E-05	<6.74E-05	<1.68E-04	<5.91E-05	<1.42E-04	<5.91E-05	<2.92E-05
T-212	0.01523	0.00039	0.00093	0.00052	0.01178	<4.50E-05	0.01089	0.00068	<4.01E-05	0.00367	<3.51E-05	0.00441	<3.51E-05	<1.74E-05
T-213	0.01569	0.00038	0.00093	0.00073	0.01228	<4.52E-05	0.01142	0.00066	<4.03E-05	0.00391	<3.53E-05	0.00448	<3.53E-05	<1.74E-05
T-214	<3.66E-05	<2.97E-05	<2.61E-05	<9.41E-05	<8.28E-05	<4.42E-05	<8.28E-05	<3.27E-05	<3.93E-05	<9.80E-05	<3.45E-05	<8.28E-05	<3.45E-05	<1.70E-05
T-301	<3.08E-05	<2.50E-05	0.00007	0.00024	<6.98E-05	<3.72E-05	<6.98E-05	<2.75E-05	<3.31E-05	<8.26E-05	0.00046	<6.98E-05	<2.91E-05	<1.44E-05
T-302	<4.23E-05	<3.43E-05	<3.02E-05	<1.09E-04	<9.57E-05	<5.11E-05	<9.57E-05	<3.78E-05	<4.55E-05	<1.13E-04	<3.99E-05	<9.57E-05	<3.99E-05	<1.97E-05
T-303	<4.61E-05	0.00031	0.00020	0.00028	<1.04E-04	<5.56E-05	<1.04E-04	<4.12E-05	<4.95E-05	<1.23E-04	0.00033	<1.04E-04	<4.35E-05	<2.15E-05
T-304	<4.99E-05	0.00021	0.00014	<1.28E-04	<1.13E-04	<6.02E-05	<1.13E-04	<4.46E-05	<5.36E-05	<1.34E-04	0.00079	<1.13E-04	<4.71E-05	<2.32E-05
T-305	<3.81E-05	0.00017	0.00013	<9.80E-05	<8.62E-05	<4.60E-05	<8.62E-05	<3.40E-05	<4.09E-05	<1.02E-04	0.00070	<8.62E-05	<3.59E-05	<1.77E-05
T-306	<3.71E-05	0.00016	0.00031	<9.56E-05	<8.41E-05	<4.49E-05	<8.41E-05	0.00054	<3.99E-05	<9.95E-05	0.00156	<8.41E-05	<3.50E-05	<1.73E-05
T-307	<4.34E-05	0.00014	0.00014	<1.12E-04	<9.82E-05	<5.24E-05	<9.82E-05	<3.88E-05	<4.66E-05	<1.16E-04	<4.09E-05	<9.82E-05	<4.09E-05	<2.02E-05
T-308	0.00155	0.00725	0.00102	0.00331	0.00053	<4.37E-05	<8.19E-05	0.00074	<3.89E-05	<9.69E-05	<3.41E-05	0.00053	<3.41E-05	0.00173
T-309	0.00011	0.00014	0.00009	0.00024	<7.13E-05	<3.81E-05	<7.13E-05	<2.82E-05	<3.39E-05	<8.44E-05	0.00021	<7.13E-05	<2.97E-05	<1.47E-05
T-310	<4.53E-05	0.00022	0.00021	0.00035	<1.03E-04	<5.47E-05	<1.03E-04	<4.05E-05	<4.87E-05	<1.21E-04	0.00280	<1.03E-04	0.00067	<2.11E-05
T-311	<5.38E-05	0.00012	0.00021	<1.39E-04	<1.22E-04	<6.50E-05	<1.22E-04	<4.81E-05	<5.79E-05	<1.44E-04	0.00030	<1.22E-04	<5.08E-05	<2.51E-05
T-312	<3.89E-05	0.00013	0.00016	0.00027	<8.81E-05	<4.70E-05	<8.81E-05	0.00021	<4.19E-05	<1.04E-04	0.00063	<8.81E-05	<3.67E-05	<1.82E-05
T-313	<3.26E-05	0.00018	0.00022	0.00025	<7.37E-05	<3.93E-05	<7.37E-05	0.00034	<3.50E-05	<8.72E-05	0.00092	<7.37E-05	<3.07E-05	<1.52E-05
T-314	<3.96E-05	<3.22E-05	<2.83E-05	<1.02E-04	<8.97E-05	<4.79E-05	<8.97E-05	<3.54E-05	<4.26E-05	<1.06E-04	<3.74E-05	<8.97E-05	<3.74E-05	<1.85E-05
T-401	<3.03E-05	<2.46E-05	0.00017	0.00030	<6.85E-05	<3.66E-05	<6.85E-05	0.00028	<3.26E-05	<8.11E-05	<2.86E-05	<6.85E-05	<2.86E-05	<1.41E-05
T-402	<3.06E-05	<2.49E-05	0.00011	<7.89E-05	<6.94E-05	<3.70E-05	<6.94E-05	<2.74E-05	<3.30E-05	<8.21E-05	<2.89E-05	<6.94E-05	<2.89E-05	<1.43E-05
T-403	<3.37E-05	<2.74E-05	<2.41E-05	<8.68E-05	<7.64E-05	<4.08E-05	<7.64E-05	<3.01E-05	<3.63E-05	<9.04E-05	<3.18E-05	<7.64E-05	<3.18E-05	<1.57E-05
T-404	0.00019	0.00021	0.00014	0.00030	<9.32E-05	<4.97E-05	<9.32E-05	<3.68E-05	<4.43E-05	<1.10E-04	<3.88E-05	<9.32E-05	<3.88E-05	<1.92E-05
T-405	<3.39E-05	<2.75E-05	0.00006	<8.73E-05	<7.68E-05	<4.10E-05	<7.68E-05	<3.03E-05	<3.65E-05	<9.09E-05	<3.20E-05	<7.68E-05	<3.20E-05	<1.58E-05
T-406	0.00014	<2.45E-05	0.00017	0.00028	<6.83E-05	<3.65E-05	<6.83E-05	<2.70E-05	<3.25E-05	<8.09E-05	<2.85E-05	<6.83E-05	0.00026	<1.41E-05
T-407	<2.99E-05	<2.43E-05	<2.13E-05	<7.70E-05	<6.77E-05	<3.62E-05	<6.77E-05	<2.67E-05	<3.22E-05	<8.02E-05	0.00065	<6.77E-05	<2.82E-05	<1.39E-05
T-408	0.00009	0.00019	0.00025	0.00025	<6.99E-05	<3.73E-05	<6.99E-05	0.00027	<3.32E-05	<8.27E-05	<2.91E-05	<6.99E-05	<2.91E-05	<1.44E-05
T-409	<3.83E-05	<3.11E-05	0.00011	0.00029	<8.67E-05	<4.62E-05	<8.67E-05	0.00026	<4.12E-05	<1.03E-04	0.00067	<8.67E-05	<3.61E-05	<1.78E-05
T-410	0.00020	0.00032	<2.59E-05	0.00027	<8.23E-05	<4.39E-05	<8.23E-05	0.00074	<3.91E-05	<9.75E-05	0.00086	<8.23E-05	0.00026	<1.70E-05
T-411	<4.33E-05	0.00053	0.00026	0.00029	<9.79E-05	<5.23E-05	<9.79E-05	0.00048	<4.65E-05	<1.16E-04	0.00773	<9.79E-05	0.00074	<2.02E-05
T-412	0.00624	0.00738	<2.13E-05	0.01038	0.00209	0.00573	0.00084	0.00056	0.01110	<8.01E-05	<2.82E-05	0.00186	<2.82E-05	0.00424
T-413	0.00515	0.01274	<2.11E-05	0.00778	0.00180	0.00423	0.00072	0.00104	0.00869	<7.94E-05	<2.80E-05	0.00154	<2.80E-05	0.00360
T-414	<2.84E-05	<2.30E-05	<2.03E-05	0.00018	<6.43E-05	<3.43E-05	<6.43E-05	<2.54E-05	<3.05E-05	<7.61E-05	<2.68E-05	<6.43E-05	<2.68E-05	<1.32E-05
T-501	<4.82E-05	<3.91E-05	<3.44E-05	<1.24E-04	<1.09E-04	<5.83E-05	<1.09E-04	<4.31E-05	<5.19E-05	<1.29E-04	<4.55E-05	<1.09E-04	<4.55E-05	<2.25E-05
T-502	<4.64E-05	<3.77E-05	<3.31E-05	<1.19E-04	<1.05E-04	<5.61E-05	<1.05E-04	<4.15E-05	<4.99E-05	<1.24E-04	<4.38E-05	<1.05E-04	<4.38E-05	<2.16E-05
T-503	<3.50E-05	<2.84E-05	0.00012	0.00027	<7.92E-05	<4.23E-05	<7.92E-05	<3.13E-05	<3.76E-05	<9.38E-05	0.00039	<7.92E-05	<3.30E-05	<1.63E-05
T-504	0.00020	0.00050	0.00041	0.00054	<8.96E-05	<4.78E-05	<8.96E-05	0.00033	<4.26E-05	<1.06E-04	0.00250	<8.96E-05	<3.74E-05	<1.85E-05
T-505	<4.45E-05	0.00039	0.00025	0.00026	<1.01E-04	<5.37E-05	<1.01E-04	<3.97E-05	<4.78E-05	<1.19E-04	<4.19E-05	<1.01E-04	<4.19E-05	<2.07E-05
T-506	<4.61E-05	0.00023	0.00026	<1.19E-04	<1.04E-04	<5.57E-05	<1.04E-04	<4.12E-05	<4.96E-05	<1.24E-04	0.00135	<1.04E-04	<4.35E-05	<2.15E-05
T-507	<4.12E-05	<3.34E-05	0.00029	<1.06E-04	<9.33E-05	<4.98E-05	<9.33E-05	0.00036	<4.43E-05	<1.10E-04	<3.89E-05	<9.33E-05	<3.89E-05	<1.92E-05
T-508	<3.72E-05	<3.02E-05	0.00012	0.00032	<8.41E-05	<4.49E-05	<8.41E-05	<3.32E-05	<4.00E-05	<9.96E-05	0.00041	<8.41E-05	<3.51E-05	<1.73E-05
T-509	<3.12E-05	<2.53E-05	0.00006	<8.04E-05	<7.07E-05	<3.77E-05	<7.07E-05	<2.79E-05	<3.36E-05	<8.37E-05	0.00043	<7.07E-05	<2.95E-05	<1.46E-05
T-510	<3.65E-05	<2.96E-05	<2.60E-05	0.00019	<8.25E-05	<4.40E-05	<8.25E-05	<3.26E-05	<3.92E-05	<9.77E-05	0.00159	<8.25E-05	<3.44E-05	<1.70E-05
T-511	<2.98E-05	<2.42E-05	<2.13E-05	<7.68E-05	<6.76E-05	<3.61E-05	<6.76E-05	<2.67E-05	<3.21E-05	<8.00E-05	0.00019	<6.76E-05	<2.82E-05	<1.39E-05
T-512	<4.85E-05	<3.93E-05	0.00016	<1.25E-04	<1.10E-04	<5.85E-05	<1.10E-04	<4.33E-05	<5.21E-05	<1.30E-04	<4.57E-05	<1.10E-04	<4.57E-05	<2.26E-05
T-513	<4.14E-05	<3.36E-05	0.00012	<1.06E-04	<9.36E-05	<5.00E-05	<9.36E-05	<3.70E-05	<4.45E-05	<1.11E-04	<3.90E-05	<9.36E-05	<3.90E-05	<1.93E-05
T-514	<3.85E-05	<3.12E-05	<2.74E-05	<9.90E-05	<8.71E-05	<4.65E-05	<8.71E-05	<3.44E-05	<4.14E-05	<1.03E-04	<3.63E-05	<8.71E-05	<3.63E-05	<1.79E-05

Compound	Naphthalene	1,3,5-Trimethylbenzene	Tetrachloroethene (PCE)	Carbon disulfide	Chloroform	2-propanol (isopropylalcohol)	n-Propylbenzene	t-Butyl alcohol	Ethyl acetate	cis-1,2-Dichloroethene	Methyl iodide	2,2,4-Trimethylpentane	Styrene	i-Butylbenzene
CAS	91-20-3	108-67-8	127-18-4	75-15-0	67-66-3	67-63-0	103-65-1	75-65-0	141-78-6	156-59-2	4227-95-6	540-84-1	100-42-5	538-93-2
Sample ID MW	**128.2**	**120.2**	**165.8**	**76.1**	**119.4**	**60.1**	**120.2**	**74.1**	**88.1**	**96.9**	**142.9**	**114.2**	**104.2**	**134.2**
Lab Data (ppbv)														
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND	ND	ND	ND
T-105	ND	ND	ND	ND	ND	1.01	ND	ND	ND	ND	ND	ND	ND	ND
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	ND	1.18	ND	ND	ND	ND	ND	ND	1.25
T-110	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	1.68	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	39.19	54.81	29.08	64.41	ND	7.38	52.5	45.66	50.69	9.39	ND	31.9	25.8	ND
T-205	37.13	ND	ND	ND	1.76	ND	ND	1.88	ND	ND	3.46	ND	ND	1.48
T-206	22.26	ND	0.72	ND	3.11	ND	ND	3.35	ND	ND	6.25	ND	ND	ND
T-207	2.01	ND	ND	ND	4.05	5.54	ND	ND	ND	ND	2.67	ND	ND	ND
T-208	7.12	6.5	8.26	ND	ND	ND	ND	ND	ND	2.27	5.39	ND	ND	20.06
T-209	1.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.01	ND	ND	ND
T-210	ND	ND	ND	ND	ND	1.95	ND	ND	ND	ND	2.07	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.84	ND	ND	ND
T-212	4.66	25.56	2.14	ND	ND	8.49	15.52	7.8	ND	ND	3.12	1.67	2.18	ND
T-213	5.09	25.75	2.29	ND	ND	8.02	16.6	7.46	ND	ND	3.14	1.92	2.05	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	ND	ND	1.39	ND	ND	ND	ND	ND	ND	ND	ND
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306	1.68	ND	ND	1.46	2.03	2.81	ND	ND	ND	ND	2	ND	ND	ND
T-307	ND	ND	ND	ND	0.84	ND	ND	ND	ND	ND	1.99	ND	ND	ND
T-308	ND	ND	9.15	ND	ND	1.86	ND	1.54	ND	9.1	3.33	18.73	ND	ND
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.88	ND	ND	ND
T-310	ND	ND	ND	ND	ND	8.76	ND	1.98	ND	ND	1.98	ND	ND	ND
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.87	ND	ND	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.88	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.01	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	1.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	1.37	ND	17.32	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	0.91	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	0.95	ND	23.15	1.5	ND	ND	ND	ND	ND	ND	ND	ND
T-405	ND	ND	ND	ND	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	ND	ND	2.01	3.61	ND	6.72	ND	ND	2.09	ND	ND	ND
T-407	ND	ND	ND	ND	ND	2.67	ND	ND	ND	ND	ND	ND	ND	ND
T-408	ND	ND	ND	ND	10.08	7.18	ND	ND	ND	ND	1.99	ND	ND	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	1.58	ND	1.28	ND	ND	1.19	ND	2.85	ND	ND	1.99	ND	ND	ND
T-411	ND	ND	ND	ND	1.77	14.13	ND	3.44	ND	ND	1.84	ND	ND	ND
T-412	ND	5.65	24.58	ND	ND	ND	ND	ND	14.2	32.08	2.45	ND	3.2	ND
T-413	ND	4.55	22.59	ND	ND	ND	ND	ND	12.15	20.59	3.24	ND	3.35	ND
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	ND	1.26	15.72	ND	1.59	ND	ND	ND	ND	2.2	ND	ND	ND
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	7.98	22.45	ND	ND	ND	ND	ND	1.98	ND	ND	ND
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	1.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound	Naphthalene	1,3,5-Trimethylbenzene	Tetrachloroethene (PCE)	Carbon disulfide	Chloroform	2-propanol (isopropylalcohol)	n-Propylbenzene	t-Butyl alcohol	Ethyl acetate	cis-1,2-Dichloroethene	Methyl iodide	2,2,4-Trimethylpentane	Styrene	i-Butylbenzene
CAS	91-20-3	108-67-8	127-18-4	75-15-0	67-66-3	67-63-0	103-65-1	75-65-0	141-78-6	156-59-2	4227-95-6	540-84-1	100-42-5	538-93-2
Sample ID MW	128.2	120.2	165.8	76.1	119.4	60.1	120.2	74.1	88.1	96.9	142.9	114.2	104.2	134.2
MDL (ppbv)														
T-101	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-102	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-103	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-104	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-105	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-106	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-107	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-108	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-109	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-110	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-111	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-112	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-113	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-114	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-201	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-202	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-203	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-204	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-205	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-206	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-207	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-208	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-209	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-210	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-211	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-212	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-213	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-214	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-301	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-302	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-303	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-304	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-305	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-306	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-307	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-308	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-309	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-310	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-311	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-312	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-313	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-314	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-401	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-402	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-403	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-404	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-405	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-406	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-407	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-408	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-409	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-410	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-411	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-412	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-413	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-414	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-501	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-502	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-503	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-504	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-505	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-506	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-507	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-508	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-509	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-510	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-511	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-512	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-513	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8
T-514	0.4	0.8	0.1	0.4	0.2	0.8	0.8	0.4	0.4	0.2	0.4	0.2	0.6	0.8

Compound	Naphthalene	1,3,5-Trimethylbenzene	Tetrachloroethene (PCE)	Carbon disulfide	Chloroform	2-propanol (isopropylalcohol)	n-Propylbenzene	t-Butyl alcohol	Ethyl acetate	cis-1,2-Dichloroethene	Methyl iodide	2,2,4-Trimethylpentane	Styrene	i-Butylbenzene
CAS	91-20-3	108-67-8	127-18-4	75-15-0	67-66-3	67-63-0	103-65-1	75-65-0	141-78-6	156-59-2	4227-95-6	540-84-1	100-42-5	538-93-2
Sample ID MW	128.2	120.2	165.8	76.1	119.4	60.1	120.2	74.1	88.1	96.9	142.9	114.2	104.2	134.2
Data Used (ug/m3)														
T-101	<1.02E+00	<1.91E+00	<3.29E-01	<6.04E-01	<4.74E-01	<9.54E-01	<1.91E+00	<5.88E-01	<6.99E-01	<3.85E-01	<1.13E+00	<4.53E-01	<1.24E+00	<2.13E+00
T-102	<1.01E+00	<1.90E+00	<3.27E-01	<6.01E-01	<4.71E-01	<9.49E-01	<1.90E+00	<5.85E-01	<6.96E-01	<3.83E-01	10.72	<4.51E-01	<1.23E+00	<2.12E+00
T-103	<1.01E+00	<1.90E+00	<3.27E-01	<6.01E-01	<4.71E-01	<9.49E-01	<1.90E+00	<5.85E-01	<6.96E-01	<3.83E-01	<1.13E+00	<4.51E-01	<1.23E+00	<2.12E+00
T-104	<1.02E+00	<1.92E+00	<3.30E-01	<6.06E-01	<4.76E-01	5.51	<1.92E+00	<5.90E-01	<7.02E-01	<3.86E-01	<1.14E+00	<4.55E-01	<1.25E+00	<2.14E+00
T-105	<1.00E+00	<1.88E+00	<3.25E-01	<5.97E-01	<4.68E-01	2.38	<1.88E+00	<5.81E-01	<6.91E-01	<3.80E-01	<1.12E+00	<4.48E-01	<1.23E+00	<2.10E+00
T-106	<1.00E+00	<1.88E+00	<3.24E-01	<5.95E-01	<4.67E-01	<9.41E-01	<1.88E+00	<5.80E-01	<6.89E-01	<3.79E-01	<1.12E+00	<4.47E-01	<1.22E+00	<2.10E+00
T-107	<1.00E+00	<1.88E+00	<3.25E-01	<5.97E-01	<4.68E-01	<9.42E-01	<1.88E+00	<5.81E-01	<6.91E-01	<3.80E-01	<1.12E+00	<4.48E-01	<1.23E+00	<2.10E+00
T-108	<1.00E+00	<1.87E+00	<3.23E-01	<5.93E-01	<4.65E-01	<9.37E-01	<1.87E+00	<5.78E-01	<6.87E-01	<3.78E-01	<1.11E+00	<4.45E-01	<1.22E+00	<2.09E+00
T-109	<9.74E-01	<1.83E+00	<3.15E-01	<5.78E-01	<4.53E-01	<9.13E-01	5.39	<5.63E-01	<6.69E-01	<3.68E-01	<1.09E+00	<4.34E-01	<1.19E+00	6.37
T-110	<9.79E-01	<1.84E+00	<3.16E-01	<5.81E-01	<4.56E-01	3.44	<1.84E+00	<5.66E-01	<6.73E-01	<3.70E-01	<1.09E+00	<4.36E-01	<1.19E+00	<2.05E+00
T-111	<9.79E-01	<1.84E+00	<3.16E-01	<5.81E-01	<4.56E-01	3.85	<1.84E+00	<5.66E-01	<6.73E-01	<3.70E-01	<1.09E+00	<4.36E-01	<1.19E+00	<2.05E+00
T-112	<9.57E-01	<1.79E+00	<3.09E-01	<5.68E-01	<4.46E-01	<8.97E-01	<1.79E+00	<5.53E-01	<6.58E-01	<3.62E-01	<1.07E+00	<4.26E-01	<1.17E+00	<2.00E+00
T-113	<9.57E-01	<1.79E+00	<3.09E-01	<5.68E-01	<4.46E-01	<8.97E-01	<1.79E+00	<5.53E-01	<6.58E-01	<3.62E-01	<1.07E+00	<4.26E-01	<1.17E+00	<2.00E+00
T-114	<1.05E+00	<1.97E+00	<3.40E-01	<6.24E-01	<4.90E-01	<9.86E-01	<1.97E+00	<6.08E-01	<7.23E-01	<3.98E-01	<1.17E+00	<4.69E-01	<1.28E+00	<2.20E+00
T-201	<1.02E+00	<1.92E+00	<3.30E-01	<6.06E-01	<4.76E-01	<9.58E-01	<1.92E+00	<5.90E-01	<7.02E-01	<3.86E-01	<1.14E+00	<4.55E-01	<1.25E+00	<2.14E+00
T-202	<1.03E+00	<1.92E+00	<3.31E-01	<6.08E-01	<4.77E-01	3.60	<1.92E+00	<5.93E-01	<7.04E-01	<3.87E-01	<1.14E+00	<4.57E-01	<1.25E+00	<2.15E+00
T-203	<1.02E+00	<1.92E+00	<3.30E-01	<6.06E-01	<4.76E-01	<9.58E-01	<1.92E+00	<5.90E-01	<7.02E-01	<3.86E-01	<1.14E+00	<4.55E-01	<1.25E+00	<2.14E+00
T-204	197.62	259.14	189.65	192.80	<4.70E-01	17.45	248.22	133.09	175.66	35.79	<1.12E+00	143.30	105.75	<2.11E+00
T-205	181.38	<1.83E+00	<3.16E-01	<5.80E-01	8.01	<9.16E-01	<1.83E+00	5.31	<6.71E-01	<3.69E-01	18.84	<4.35E-01	<1.19E+00	7.57
T-206	107.25	<1.81E+00	4.49	<5.72E-01	13.96	<9.03E-01	<1.81E+00	9.33	<6.62E-01	<3.64E-01	33.57	<4.29E-01	<1.17E+00	<2.02E+00
T-207	9.60	<1.79E+00	<3.09E-01	<5.67E-01	18.02	12.41	<1.79E+00	<5.52E-01	<6.57E-01	<3.61E-01	14.22	<4.26E-01	<1.16E+00	<2.00E+00
T-208	34.48	29.52	51.74	<5.75E-01	<4.51E-01	<9.08E-01	<1.82E+00	<5.60E-01	<6.66E-01	8.31	29.10	<4.31E-01	<1.18E+00	101.70
T-209	6.34	<1.82E+00	<3.13E-01	<5.75E-01	<4.51E-01	<9.08E-01	<1.82E+00	<5.60E-01	<6.66E-01	<3.66E-01	10.85	<4.31E-01	<1.18E+00	<2.03E+00
T-210	<9.39E-01	<1.76E+00	<3.04E-01	<5.58E-01	<4.37E-01	4.29	<1.76E+00	<5.43E-01	<6.46E-01	<3.55E-01	10.84	<4.18E-01	<1.15E+00	<1.97E+00
T-211	<9.59E-01	<1.80E+00	<3.10E-01	<5.69E-01	<4.46E-01	<8.99E-01	<1.80E+00	<5.54E-01	<6.59E-01	<3.62E-01	9.83	<4.27E-01	<1.17E+00	<2.01E+00
T-212	21.85	112.38	12.98	<5.57E-01	<4.37E-01	18.66	68.24	21.14	<6.45E-01	<3.54E-01	16.31	6.98	8.31	<1.96E+00
T-213	23.87	113.22	13.89	<5.57E-01	<4.37E-01	17.63	72.99	20.22	<6.45E-01	<3.54E-01	16.41	8.02	7.81	<1.96E+00
T-214	<1.05E+00	<1.97E+00	<3.40E-01	<6.24E-01	<4.90E-01	<9.86E-01	<1.97E+00	<6.08E-01	<7.23E-01	<3.98E-01	<1.17E+00	<4.69E-01	<1.28E+00	<2.20E+00
T-301	<1.03E+00	<1.92E+00	<3.31E-01	<6.08E-01	<4.77E-01	3.34	<1.92E+00	<5.93E-01	<7.04E-01	<3.87E-01	<1.14E+00	<4.57E-01	<1.25E+00	<2.15E+00
T-302	<1.03E+00	<1.92E+00	<3.31E-01	<6.08E-01	<4.77E-01	<9.61E-01	<1.92E+00	<5.93E-01	<7.04E-01	<3.87E-01	<1.14E+00	<4.57E-01	<1.25E+00	<2.15E+00
T-303	<1.04E+00	<1.95E+00	<3.36E-01	<6.16E-01	<4.84E-01	<9.74E-01	<1.95E+00	<6.00E-01	<7.14E-01	<3.92E-01	<1.16E+00	<4.62E-01	<1.27E+00	<2.17E+00
T-304	<1.03E+00	<1.93E+00	<3.33E-01	<6.11E-01	<4.79E-01	<9.65E-01	<1.93E+00	<5.95E-01	<7.07E-01	<3.89E-01	<1.15E+00	<4.58E-01	<1.25E+00	<2.15E+00
T-305	<9.87E-01	<1.85E+00	<3.19E-01	<5.86E-01	<4.60E-01	<9.26E-01	<1.85E+00	<5.71E-01	<6.78E-01	<3.73E-01	<1.10E+00	<4.40E-01	<1.20E+00	<2.07E+00
T-306	8.31	<1.85E+00	<3.20E-01	4.29	9.35	6.51	<1.85E+00	<5.72E-01	<6.80E-01	<3.74E-01	11.02	<4.41E-01	<1.21E+00	<2.07E+00
T-307	<9.91E-01	<1.86E+00	<3.20E-01	<5.88E-01	3.88	<9.29E-01	<1.86E+00	<5.73E-01	<6.81E-01	<3.74E-01	10.99	<4.41E-01	<1.21E+00	<2.07E+00
T-308	<1.01E+00	<1.89E+00	59.57	<5.98E-01	<4.69E-01	4.39	<1.89E+00	4.48	<6.92E-01	34.62	18.68	83.99	<1.23E+00	<2.11E+00
T-309	<9.89E-01	<1.85E+00	<3.20E-01	<5.87E-01	<4.61E-01	<9.27E-01	<1.85E+00	<5.72E-01	<6.80E-01	<3.74E-01	10.36	<4.41E-01	<1.21E+00	<2.07E+00
T-310	<9.77E-01	<1.83E+00	<3.16E-01	<5.80E-01	<4.55E-01	20.06	<1.83E+00	5.59	<6.71E-01	<3.69E-01	10.78	<4.35E-01	<1.19E+00	<2.05E+00
T-311	<9.91E-01	<1.86E+00	<3.20E-01	<5.88E-01	<4.61E-01	<9.29E-01	<1.86E+00	<5.73E-01	<6.81E-01	<3.74E-01	10.33	<4.41E-01	<1.21E+00	<2.07E+00
T-312	<9.80E-01	<1.84E+00	<3.17E-01	<5.82E-01	<4.57E-01	<9.19E-01	<1.84E+00	<5.67E-01	<6.74E-01	<3.71E-01	10.27	<4.37E-01	<1.20E+00	<2.05E+00
T-313	<9.80E-01	<1.84E+00	<3.17E-01	<5.82E-01	<4.57E-01	<9.19E-01	<1.84E+00	<5.67E-01	<6.74E-01	<3.71E-01	10.98	<4.37E-01	<1.20E+00	<2.05E+00
T-314	<1.05E+00	<1.97E+00	<3.40E-01	<6.24E-01	<4.90E-01	<9.86E-01	<1.97E+00	<6.08E-01	<7.23E-01	<3.98E-01	<1.17E+00	<4.69E-01	<1.28E+00	<2.20E+00
T-401	8.43	<1.90E+00	<3.28E-01	<6.03E-01	<4.73E-01	<9.52E-01	<1.90E+00	<5.87E-01	<6.98E-01	<3.84E-01	<1.13E+00	<4.52E-01	<1.24E+00	<2.13E+00
T-402	<1.00E+00	<1.88E+00	8.87	<5.94E-01	80.77	<9.39E-01	<1.88E+00	<5.79E-01	<6.88E-01	<3.78E-01	<1.12E+00	<4.46E-01	<1.22E+00	<2.10E+00
T-403	<9.93E-01	<1.86E+00	<3.21E-01	<5.89E-01	<4.62E-01	2.12	<1.86E+00	<5.74E-01	<6.82E-01	<3.75E-01	<1.11E+00	<4.42E-01	<1.21E+00	<2.08E+00
T-404	<1.00E+00	<1.88E+00	6.16	<5.95E-01	108.14	3.53	<1.88E+00	<5.80E-01	<6.89E-01	<3.79E-01	<1.12E+00	<4.47E-01	<1.22E+00	<2.10E+00
T-405	<9.80E-01	<1.84E+00	<3.17E-01	<5.82E-01	4.38	<9.19E-01	<1.84E+00	<5.67E-01	<6.74E-01	<3.71E-01	<1.09E+00	<4.37E-01	<1.20E+00	<2.05E+00
T-406	<9.70E-01	<1.82E+00	<3.14E-01	<5.76E-01	9.08	8.21	<1.82E+00	18.84	<6.67E-01	<3.67E-01	11.30	<4.32E-01	<1.18E+00	<2.03E+00
T-407	<9.77E-01	<1.83E+00	<3.16E-01	<5.80E-01	<4.55E-01	6.11	<1.83E+00	<5.65E-01	<6.71E-01	<3.69E-01	<1.09E+00	<4.35E-01	<1.19E+00	<2.05E+00
T-408	<9.98E-01	<1.87E+00	<3.23E-01	<5.92E-01	46.84	16.79	<1.87E+00	<5.77E-01	<6.86E-01	<3.77E-01	11.07	<4.44E-01	<1.22E+00	<2.09E+00
T-409	<9.75E-01	<1.83E+00	<3.15E-01	<5.79E-01	<4.54E-01	<9.14E-01	<1.83E+00	<5.64E-01	<6.70E-01	<3.69E-01	<1.09E+00	<4.34E-01	<1.19E+00	<2.04E+00
T-410	7.73	<1.84E+00	8.10	<5.81E-01	<4.56E-01	2.73	<1.84E+00	8.06	<6.73E-01	<3.70E-01	10.85	<4.36E-01	<1.19E+00	<2.05E+00
T-411	<9.65E-01	<1.81E+00	<3.12E-01	<5.73E-01	7.96	31.97	<1.81E+00	9.60	<6.63E-01	<3.65E-01	9.90	<4.30E-01	<1.18E+00	<2.02E+00
T-412	<9.89E-01	26.20	157.20	<5.87E-01	<4.61E-01	<9.27E-01	<1.85E+00	<5.72E-01	48.26	119.91	13.50	<4.41E-01	12.86	<2.07E+00
T-413	<9.89E-01	21.10	144.48	<5.87E-01	<4.61E-01	<9.27E-01	<1.85E+00	<5.72E-01	41.29	76.96	17.86	<4.41E-01	13.47	<2.07E+00
T-414	<1.05E+00	<1.97E+00	<3.40E-01	<6.24E-01	<4.90E-01	<9.86E-01	<1.97E+00	<6.08E-01	<7.23E-01	<3.98E-01	<1.17E+00	<4.69E-01	<1.28E+00	<2.20E+00
T-501	<1.02E+00	<1.91E+00	<3.29E-01	<6.04E-01	<4.74E-01	<9.54E-01	<1.91E+00	<5.88E-01	<6.99E-01	<3.85E-01	<1.13E+00	<4.53E-01	<1.24E+00	<2.13E+00
T-502	<1.01E+00	<1.89E+00	<3.27E-01	<6.00E-01	<4.71E-01	<9.47E-01	<1.89E+00	<5.84E-01	<6.94E-01	<3.82E-01	<1.13E+00	<4.50E-01	<1.23E+00	<2.12E+00
T-503	<1.01E+00	<1.89E+00	<3.26E-01	<5.99E-01	<4.70E-01	<9.46E-01	<1.89E+00	<5.83E-01	<6.93E-01	<3.81E-01	<1.12E+00	<4.49E-01	<1.23E+00	<2.11E+00
T-504	<1.00E+00	<1.87E+00	8.14	46.64	<4.65E-01	3.73	<1.87E+00	<5.78E-01	<6.87E-01	<3.78E-01	12.26	<4.45E-01	<1.22E+00	<2.09E+00
T-505	<9.52E-01	<1.79E+00	<3.08E-01	<5.65E-01	<4.43E-01	<8.93E-01	<1.79E+00	<5.50E-01	<6.54E-01	<3.60E-01	<1.06E+00	<4.24E-01	<1.16E+00	<1.99E+00
T-506	<9.57E-01	<1.79E+00	<3.09E-01	<5.68E-01	<4.46E-01	<8.97E-01	<1.79E+00	<5.53E-01	<6.58E-01	<3.62E-01	<1.07E+00	<4.26E-01	<1.17E+00	<2.00E+00
T-507	<9.57E-01	<1.79E+00	<3.09E-01	22.67	100.06	<8.97E-01	<1.79E+00	<5.53E-01	<6.58E-01	<3.62E-01	10.56	<4.26E-01	<1.17E+00	<2.00E+00
T-508	<9.62E-01	<1.80E+00	<3.11E-01	<5.71E-01	<4.48E-01	<9.02E-01	<1.80E+00	<5.56E-01	<6.61E-01	<3.64E-01	<1.07E+00	<4.28E-01	<1.17E+00	<2.01E+00
T-509	<9.82E-01	<1.84E+00	<3.18E-01	<5.83E-01	<4.57E-01	<9.21E-01	<1.84E+00	<5.68E-01	<6.75E-01	<3.71E-01	<1.09E+00	<4.37E-01	<1.20E+00	<2.06E+00
T-510	<9.75E-01	<1.83E+00	<3.15E-01	<5.79E-01	<4.54E-01	<9.14E-01	<1.83E+00	<5.64E-01	<6.70E-01	<3.69E-01	<1.09E+00	<4.34E-01	<1.19E+00	<2.04E+00
T-511	<9.82E-01	<1.84E+00	<3.18E-01	5.31	<4.57E-01	<9.21E-01	<1.84E+00	<5.68E-01	<6.75E-01	<3.71E-01	<1.09E+00	<4.37E-01	<1.20E+00	<2.06E+00
T-512	<9.69E-01	<1.82E+00	<3.13E-01	<5.75E-01	<4.51E-01	<9.08E-01	<1.82E+00	<5.60E-01	<6.66E-01	<3.66E-01	<1.08E+00	<4.31E-01	<1.18E+00	<2.03E+00
T-513	<9.69E-01	<1.82E+00	<3.13E-01	<5.75E-01	<4.51E-01	<9.08E-01	<1.82E+00	<5.60E-01	<6.66E-01	<3.66E-01	<1.08E+00	<4.31E-01	<1.18E+00	<2.03E+00
T-514	<1.05E+00	<1.97E+00	<3.40E-01	<6.24E-01	<4.90E-01	<9.86E-01	<1.97E+00	<6.08E-01	<7.23E-01	<3.98E-01	<1.17E+00	<4.69E-01	<1.28E+00	<2.20E+00

Compound	Naphthalene	1,3,5-Trimethylbenzene	Tetrachloroethene (PCE)	Carbon disulfide	Chloroform	2-propanol (isopropylalcohol)	n-Propylbenzene	t-Butyl alcohol	Ethyl acetate	cis-1,2-Dichloroethene	Methyl iodide	2,2,4-Trimethylpentane	Styrene	i-Butylbenzene
CAS	91-20-3	108-67-8	127-18-4	75-15-0	67-66-3	67-63-0	103-65-1	75-65-0	141-78-6	156-59-2	4227-95-6	540-84-1	100-42-5	538-93-2
Sample ID MW	128.2	120.2	165.8	76.1	119.4	60.1	120.2	74.1	88.1	96.9	142.9	114.2	104.2	134.2
Flux (mg/m2-min)														
T-101	<4.19E-05	<7.85E-05	<1.35E-05	<2.49E-05	<1.95E-05	<3.93E-05	<7.85E-05	<2.42E-05	<2.88E-05	<1.58E-05	<4.67E-05	<1.87E-05	<5.11E-05	<8.77E-05
T-102	<3.54E-05	<6.65E-05	<1.15E-05	<2.10E-05	<1.65E-05	<3.32E-05	<6.65E-05	<2.05E-05	<2.44E-05	<1.34E-05	0.00038	<1.58E-05	<4.32E-05	<7.42E-05
T-103	<3.81E-05	<7.15E-05	<1.23E-05	<2.26E-05	<1.78E-05	<3.57E-05	<7.15E-05	<2.20E-05	<2.62E-05	<1.44E-05	<4.25E-05	<1.70E-05	<4.65E-05	<7.98E-05
T-104	<3.77E-05	<7.07E-05	<1.22E-05	<2.24E-05	<1.76E-05	0.00020	<7.07E-05	<2.18E-05	<2.59E-05	<1.43E-05	<4.20E-05	<1.68E-05	<4.60E-05	<7.90E-05
T-105	<3.65E-05	<6.85E-05	<1.18E-05	<2.17E-05	<1.70E-05	0.00009	<6.85E-05	<2.11E-05	<2.51E-05	<1.38E-05	<4.07E-05	<1.63E-05	<4.45E-05	<7.65E-05
T-106	<3.56E-05	<6.67E-05	<1.15E-05	<2.11E-05	<1.66E-05	<3.33E-05	<6.67E-05	<2.06E-05	<2.44E-05	<1.34E-05	<3.96E-05	<1.58E-05	<4.33E-05	<7.44E-05
T-107	<3.72E-05	<6.98E-05	<1.20E-05	<2.21E-05	<1.73E-05	<3.49E-05	<6.98E-05	<2.15E-05	<2.56E-05	<1.41E-05	<4.15E-05	<1.66E-05	<4.54E-05	<7.79E-05
T-108	<4.94E-05	<9.27E-05	<1.60E-05	<2.93E-05	<2.30E-05	<4.64E-05	<9.27E-05	<2.86E-05	<3.40E-05	<1.87E-05	<5.51E-05	<2.20E-05	<6.03E-05	<1.04E-04
T-109	<4.58E-05	<8.58E-05	<1.48E-05	<2.72E-05	<2.13E-05	<4.29E-05	0.00025	<2.65E-05	<3.15E-05	<1.73E-05	<5.10E-05	<2.04E-05	<5.58E-05	0.00030
T-110	<3.66E-05	<6.86E-05	<1.18E-05	<2.17E-05	<1.70E-05	0.00013	<6.86E-05	<2.11E-05	<2.51E-05	<1.38E-05	<4.08E-05	<1.63E-05	<4.46E-05	<7.66E-05
T-111	<5.30E-05	<9.94E-05	<1.71E-05	<3.15E-05	<2.47E-05	0.00021	<9.94E-05	<3.07E-05	<3.64E-05	<2.00E-05	<5.91E-05	<2.36E-05	<6.47E-05	<1.11E-04
T-112	<3.63E-05	<6.82E-05	<1.18E-05	<2.16E-05	<1.69E-05	<3.41E-05	<6.82E-05	<2.10E-05	<2.50E-05	<1.37E-05	<4.05E-05	<1.62E-05	<4.43E-05	<7.61E-05
T-113	<3.97E-05	<7.44E-05	<1.28E-05	<2.35E-05	<1.85E-05	<3.72E-05	<7.44E-05	<2.29E-05	<2.73E-05	<1.50E-05	<4.42E-05	<1.77E-05	<4.84E-05	<8.30E-05
T-114	<4.00E-05	<7.50E-05	<1.29E-05	<2.38E-05	<1.86E-05	<3.75E-05	<7.50E-05	<2.31E-05	<2.75E-05	<1.51E-05	<4.46E-05	<1.78E-05	<4.88E-05	<8.38E-05
T-201	<3.78E-05	<7.09E-05	<1.22E-05	<2.25E-05	<1.76E-05	<3.55E-05	<7.09E-05	<2.19E-05	<2.60E-05	<1.43E-05	<4.22E-05	<1.69E-05	<4.61E-05	<7.92E-05
T-202	<4.08E-05	<7.65E-05	<1.32E-05	<2.42E-05	<1.90E-05	0.00014	<7.65E-05	<2.36E-05	<2.80E-05	<1.54E-05	<4.55E-05	<1.82E-05	<4.98E-05	<8.55E-05
T-203	<4.39E-05	<8.24E-05	<1.42E-05	<2.61E-05	<2.05E-05	<4.12E-05	<8.24E-05	<2.54E-05	<3.02E-05	<1.66E-05	<4.90E-05	<1.96E-05	<5.36E-05	<9.20E-05
T-204	0.00765	0.01003	0.00734	0.00746	<1.82E-05	0.00068	0.00961	0.00515	0.00680	0.00139	<4.35E-05	0.00555	0.00409	<8.17E-05
T-205	0.00988	<9.98E-05	<1.72E-05	<3.16E-05	0.00044	<4.99E-05	<9.98E-05	0.00029	<3.66E-05	<2.01E-05	0.00103	<2.37E-05	<6.49E-05	0.00041
T-206	0.00629	<1.06E-04	0.00026	<3.36E-05	0.00082	<5.30E-05	<1.06E-04	0.00055	<3.88E-05	<2.14E-05	0.00197	<2.52E-05	<6.89E-05	<1.18E-04
T-207	0.00068	<1.27E-04	<2.19E-05	<4.02E-05	0.00128	0.00088	<1.27E-04	<3.92E-05	<4.66E-05	<2.56E-05	0.00101	<3.02E-05	<8.27E-05	<1.42E-04
T-208	0.00280	0.00240	0.00421	<4.67E-05	<3.67E-05	<7.38E-05	<1.48E-04	<4.55E-05	<5.41E-05	0.00068	0.00237	<3.51E-05	<9.60E-05	0.00827
T-209	0.00042	<1.20E-04	<2.07E-05	<3.80E-05	<2.98E-05	<6.00E-05	<1.20E-04	<3.70E-05	<4.40E-05	<2.42E-05	0.00072	<2.85E-05	<7.81E-05	<1.34E-04
T-210	<7.16E-05	<1.34E-04	<2.32E-05	<4.25E-05	<3.33E-05	0.00033	<1.34E-04	<4.14E-05	<4.92E-05	<2.71E-05	0.00083	<3.19E-05	<8.73E-05	<1.50E-04
T-211	<7.57E-05	<1.42E-04	<2.45E-05	<4.49E-05	<3.52E-05	<7.09E-05	<1.42E-04	<4.37E-05	<5.20E-05	<2.86E-05	0.00078	<3.37E-05	<9.22E-05	<1.58E-04
T-212	0.00105	0.00539	0.00062	<2.67E-05	<2.09E-05	0.00089	0.00327	0.00101	<3.09E-05	<1.70E-05	0.00078	0.00033	0.00040	<9.41E-05
T-213	0.00115	0.00546	0.00067	<2.68E-05	<2.10E-05	0.00085	0.00352	0.00097	<3.11E-05	<1.71E-05	0.00079	0.00039	0.00038	<9.46E-05
T-214	<4.41E-05	<8.28E-05	<1.43E-05	<2.62E-05	<2.06E-05	<4.14E-05	<8.28E-05	<2.55E-05	<3.03E-05	<1.67E-05	<4.92E-05	<1.97E-05	<5.38E-05	<9.24E-05
T-301	<3.72E-05	<6.98E-05	<1.20E-05	<2.21E-05	<1.73E-05	0.00012	<6.98E-05	<2.15E-05	<2.56E-05	<1.41E-05	<4.15E-05	<1.66E-05	<4.54E-05	<7.79E-05
T-302	<5.11E-05	<9.57E-05	<1.65E-05	<3.03E-05	<2.38E-05	<4.79E-05	<9.57E-05	<2.95E-05	<3.51E-05	<1.93E-05	<5.69E-05	<2.27E-05	<6.23E-05	<1.07E-04
T-303	<5.56E-05	<1.04E-04	<1.80E-05	<3.30E-05	<2.59E-05	<5.21E-05	<1.04E-04	<3.21E-05	<3.82E-05	<2.10E-05	<6.20E-05	<2.48E-05	<6.78E-05	<1.16E-04
T-304	<6.02E-05	<1.13E-04	<1.95E-05	<3.57E-05	<2.80E-05	<5.64E-05	<1.13E-04	<3.48E-05	<4.14E-05	<2.28E-05	<6.71E-05	<2.68E-05	<7.34E-05	<1.26E-04
T-305	<4.60E-05	<8.62E-05	<1.49E-05	<2.73E-05	<2.14E-05	<4.31E-05	<8.62E-05	<2.66E-05	<3.16E-05	<1.74E-05	<5.12E-05	<2.05E-05	<5.60E-05	<9.62E-05
T-306	0.00038	<8.41E-05	<1.45E-05	0.00019	0.00042	0.00030	<8.41E-05	<2.59E-05	<3.08E-05	<1.69E-05	0.00050	<2.00E-05	<5.47E-05	<9.39E-05
T-307	<5.24E-05	<9.82E-05	<1.69E-05	<3.11E-05	0.00020	<4.91E-05	<9.82E-05	<3.03E-05	<3.60E-05	<1.98E-05	0.00058	<2.33E-05	<6.38E-05	<1.10E-04
T-308	<4.37E-05	<8.19E-05	0.00258	<2.59E-05	<2.03E-05	0.00019	<8.19E-05	0.00019	<3.00E-05	0.00150	0.00081	0.00364	<5.32E-05	<9.14E-05
T-309	<3.80E-05	<7.13E-05	<1.23E-05	<2.26E-05	<1.77E-05	<3.57E-05	<7.13E-05	<2.20E-05	<2.61E-05	<1.44E-05	0.00040	<1.69E-05	<4.64E-05	<7.96E-05
T-310	<5.47E-05	<1.03E-04	<1.77E-05	<3.24E-05	<2.55E-05	0.00112	<1.03E-04	0.00031	<3.76E-05	<2.07E-05	0.00060	<2.43E-05	<6.66E-05	<1.14E-04
T-311	<6.50E-05	<1.22E-04	<2.10E-05	<3.86E-05	<3.03E-05	<6.09E-05	<1.22E-04	<3.75E-05	<4.46E-05	<2.46E-05	0.00068	<2.89E-05	<7.92E-05	<1.36E-04
T-312	<4.70E-05	<8.81E-05	<1.52E-05	<2.79E-05	<2.19E-05	<4.41E-05	<8.81E-05	<2.72E-05	<3.23E-05	<1.78E-05	0.00049	<2.09E-05	<5.73E-05	<9.84E-05
T-313	<3.93E-05	<7.37E-05	<1.27E-05	<2.33E-05	<1.83E-05	<3.68E-05	<7.37E-05	<2.27E-05	<2.70E-05	<1.49E-05	0.00044	<1.75E-05	<4.79E-05	<8.23E-05
T-314	<4.78E-05	<8.97E-05	<1.55E-05	<2.84E-05	<2.23E-05	<4.48E-05	<8.97E-05	<2.76E-05	<3.29E-05	<1.81E-05	<5.33E-05	<2.13E-05	<5.83E-05	<1.00E-04
T-401	0.00030	<6.85E-05	<1.18E-05	<2.17E-05	<1.70E-05	<3.43E-05	<6.85E-05	<2.11E-05	<2.51E-05	<1.38E-05	<4.07E-05	<1.63E-05	<4.46E-05	<7.65E-05
T-402	<3.70E-05	<6.94E-05	0.00033	<2.20E-05	0.00298	<3.47E-05	<6.94E-05	<2.14E-05	<2.54E-05	<1.40E-05	<4.12E-05	<1.65E-05	<4.51E-05	<7.75E-05
T-403	<4.07E-05	<7.64E-05	<1.32E-05	<2.42E-05	<1.90E-05	0.00009	<7.64E-05	<2.35E-05	<2.80E-05	<1.54E-05	<4.54E-05	<1.81E-05	<4.96E-05	<8.53E-05
T-404	<4.97E-05	<9.32E-05	0.00031	<2.95E-05	0.00536	0.00017	<9.32E-05	<2.87E-05	<3.42E-05	<1.88E-05	<5.54E-05	<2.21E-05	<6.06E-05	<1.04E-04
T-405	<4.09E-05	<7.68E-05	<1.32E-05	<2.43E-05	0.00018	<3.84E-05	<7.68E-05	<2.37E-05	<2.81E-05	<1.55E-05	<4.56E-05	<1.82E-05	<4.99E-05	<8.57E-05
T-406	<3.64E-05	<6.83E-05	<1.18E-05	<2.16E-05	0.00034	0.00031	<6.83E-05	0.00071	<2.50E-05	<1.38E-05	0.00042	<1.62E-05	<4.44E-05	<7.63E-05
T-407	<3.61E-05	<6.77E-05	<1.17E-05	<2.14E-05	<1.68E-05	0.00023	<6.77E-05	<2.09E-05	<2.48E-05	<1.37E-05	<4.03E-05	<1.61E-05	<4.40E-05	<7.56E-05
T-408	<3.73E-05	<6.99E-05	<1.20E-05	<2.21E-05	0.00175	0.00063	<6.99E-05	<2.15E-05	<2.56E-05	<1.41E-05	0.00041	<1.66E-05	<4.54E-05	<7.80E-05
T-409	<4.62E-05	<8.67E-05	<1.49E-05	<2.74E-05	<2.15E-05	<4.33E-05	<8.67E-05	<2.67E-05	<3.18E-05	<1.75E-05	<5.15E-05	<2.06E-05	<5.63E-05	<9.67E-05
T-410	0.00035	<8.23E-05	0.00036	<2.61E-05	<2.04E-05	0.00012	<8.23E-05	0.00036	<3.02E-05	<1.66E-05	0.00049	<1.96E-05	<5.35E-05	<9.19E-05
T-411	<5.22E-05	<9.79E-05	<1.69E-05	<3.10E-05	0.00043	0.00173	<9.79E-05	0.00052	<3.59E-05	<1.97E-05	0.00054	<2.33E-05	<6.37E-05	<1.09E-04
T-412	<3.61E-05	0.00096	0.00574	<2.14E-05	<1.68E-05	<3.38E-05	<6.77E-05	<2.09E-05	0.00176	0.00437	0.00049	<1.61E-05	0.00047	<7.55E-05
T-413	<3.58E-05	0.00076	0.00523	<2.12E-05	<1.67E-05	<3.35E-05	<6.71E-05	<2.07E-05	0.00149	0.00278	0.00065	<1.59E-05	0.00049	<7.49E-05
T-414	<3.43E-05	<6.43E-05	<1.11E-05	<2.03E-05	<1.60E-05	<3.21E-05	<6.43E-05	<1.98E-05	<2.36E-05	<1.30E-05	<3.82E-05	<1.53E-05	<4.18E-05	<7.18E-05
T-501	<5.82E-05	<1.09E-04	<1.88E-05	<3.46E-05	<2.71E-05	<5.46E-05	<1.09E-04	<3.37E-05	<4.00E-05	<2.20E-05	<6.49E-05	<2.59E-05	<7.10E-05	<1.22E-04
T-502	<5.60E-05	<1.05E-04	<1.81E-05	<3.33E-05	<2.61E-05	<5.25E-05	<1.05E-04	<3.24E-05	<3.85E-05	<2.12E-05	<6.25E-05	<2.50E-05	<6.83E-05	<1.17E-04
T-503	<4.22E-05	<7.92E-05	<1.37E-05	<2.51E-05	<1.97E-05	<3.96E-05	<7.92E-05	<2.44E-05	<2.90E-05	<1.60E-05	<4.71E-05	<1.88E-05	<5.15E-05	<8.85E-05
T-504	<4.78E-05	<8.96E-05	0.00039	0.00223	<2.23E-05	0.00018	<8.96E-05	<2.76E-05	<3.28E-05	<1.81E-05	0.00059	<2.13E-05	<5.83E-05	<1.00E-04
T-505	<5.37E-05	<1.01E-04	<1.73E-05	<3.19E-05	<2.50E-05	<5.03E-05	<1.01E-04	<3.10E-05	<3.69E-05	<2.03E-05	<5.98E-05	<2.39E-05	<6.54E-05	<1.12E-04
T-506	<5.57E-05	<1.04E-04	<1.80E-05	<3.31E-05	<2.59E-05	<5.22E-05	<1.04E-04	<3.22E-05	<3.83E-05	<2.10E-05	<6.21E-05	<2.48E-05	<6.79E-05	<1.17E-04
T-507	<4.97E-05	<9.33E-05	<1.61E-05	0.00118	0.00520	<4.66E-05	<9.33E-05	<2.87E-05	<3.42E-05	<1.88E-05	0.00055	<2.21E-05	<6.06E-05	<1.04E-04
T-508	<4.49E-05	<8.41E-05	<1.45E-05	<2.66E-05	<2.09E-05	<4.21E-05	<8.41E-05	<2.59E-05	<3.08E-05	<1.70E-05	<5.00E-05	<2.00E-05	<5.47E-05	<9.39E-05
T-509	<3.77E-05	<7.07E-05	<1.22E-05	<2.24E-05	<1.76E-05	<3.53E-05	<7.07E-05	<2.18E-05	<2.59E-05	<1.42E-05	<4.20E-05	<1.68E-05	<4.60E-05	<7.89E-05
T-510	<4.40E-05	<8.25E-05	<1.42E-05	<2.61E-05	<2.05E-05	<4.13E-05	<8.25E-05	<2.54E-05	<3.02E-05	<1.66E-05	<4.91E-05	<1.96E-05	<5.37E-05	<9.21E-05
T-511	<3.60E-05	<6.76E-05	<1.16E-05	0.00019	<1.68E-05	<3.38E-05	<6.76E-05	<2.08E-05	<2.48E-05	<1.36E-05	<4.02E-05	<1.60E-05	<4.39E-05	<7.54E-05
T-512	<5.85E-05	<1.10E-04	<1.89E-05	<3.47E-05	<2.72E-05	<5.48E-05	<1.10E-04	<3.38E-05	<4.02E-05	<2.21E-05	<6.52E-05	<2.61E-05	<7.13E-05	<1.22E-04
T-513	<4.99E-05	<9.36E-05	<1.61E-05	<2.96E-05	<2.32E-05	<4.68E-05	<9.36E-05	<2.89E-05	<3.43E-05	<1.89E-05	<5.56E-05	<2.22E-05	<6.09E-05	<1.05E-04
T-514	<4.64E-05	<8.71E-05	<1.50E-05	<2.76E-05	<2.16E-05	<4.35E-05	<8.71E-05	<2.68E-05	<3.19E-05	<1.75E-05	<5.18E-05	<2.07E-05	<5.66E-05	<9.72E-05

Compound	Chloroethane	Methylene chloride	cis-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane	1,4 Dioxane	trans-1,2-Dichloroethene	Dichlorodifluoromethane	Methyl acrylate	1,1-Dichloroethane	Trichlorofluoromethane	Vinyl chloride	1,3-Butadiene	1,1-Dichloroethene	Acrylonitrile
CAS	75-00-3	75-09-2	10061-01-5	76-14-2	123-91-1	156-60-5	75-71-8	96-33-3	75-34-3	75-69-4	75-01-4	106-99-0	75-35-4	107-13-1
Sample ID MW	**64.5**	**84.9**	**111**	**170.9**	**88.1**	**96.9**	**120.9**	**86.1**	**99**	**137.4**	**62.5**	**54.1**	**96.9**	**53.1**
Lab Data (ppbv)														
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-105	ND	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106	ND	3.31	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	2.85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	3.08	ND	ND	ND	ND	1.33	ND	ND	ND	ND	ND	ND	ND
T-109	ND	3.25	ND	ND	ND	ND	1.33	ND	ND	ND	ND	ND	ND	ND
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	ND	2.85	12.31	ND	ND	ND	ND	ND	1.08	0.96	ND	ND	ND	ND
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209	ND	ND	ND	ND	ND	ND	ND	1.31	ND	ND	ND	ND	ND	ND
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212	ND	ND	ND	4.06	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-213	ND	ND	ND	4.33	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308	19.5	ND	ND	ND	ND	1.05	ND	ND	ND	ND	ND	ND	ND	ND
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	ND	ND	7.24	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	ND	ND	ND	ND	2.25	ND	ND	ND	ND	ND	ND	ND	ND
T-413	ND	ND	ND	ND	ND	3.22	ND	ND	ND	ND	ND	ND	ND	ND
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	1.24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505	ND	0.95	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound	Chloroethane	Methylene chloride	cis-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane	1,4 Dioxane	trans-1,2-Dichloroethene	Dichlorodifluoromethane	Methyl acrylate	1,1-Dichloroethane	Trichlorofluoromethane	Vinyl chloride	1,3-Butadiene	1,1-Dichloroethene	Acrylonitrile
CAS	75-00-3	75-09-2	10061-01-5	76-14-2	123-91-1	156-60-5	75-71-8	96-33-3	75-34-3	75-69-4	75-01-4	106-99-0	75-35-4	107-13-1
Sample ID MW	64.5	84.9	111	170.9	88.1	96.9	120.9	86.1	99	137.4	62.5	54.1	96.9	53.1
MDL (ppbv)														
T-101	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-102	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-103	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-104	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-105	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-106	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-107	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-108	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-109	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-110	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-111	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-112	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-113	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-114	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-201	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-202	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-203	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-204	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-205	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-206	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-207	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-208	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-209	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-210	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-211	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-212	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-213	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-214	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-301	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-302	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-303	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-304	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-305	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-306	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-307	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-308	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-309	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-310	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-311	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-312	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-313	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-314	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-401	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-402	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-403	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-404	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-405	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-406	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-407	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-408	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-409	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-410	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-411	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-412	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-413	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-414	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-501	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-502	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-503	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-504	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-505	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-506	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-507	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-508	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-509	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-510	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-511	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-512	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-513	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8
T-514	0.4	0.2	0.2	0.4	0.4	0.2	0.6	0.4	0.2	0.4	0.2	0.2	0.2	0.8

Compound	Chloroethane	Methylene chloride	cis-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane	1,4 Dioxane	trans-1,2-Dichloroethene	Dichlorodifluoromethane	Methyl acrylate	1,1-Dichloroethane	Trichlorofluoromethane	Vinyl chloride	1,3-Butadiene	1,1-Dichloroethene	Acrylonitrile
CAS	75-00-3	75-09-2	10061-01-5	76-14-2	123-91-1	156-60-5	75-71-8	96-33-3	75-34-3	75-69-4	75-01-4	106-99-0	75-35-4	107-13-1
Sample ID MW	64.5	84.9	111	170.9	88.1	96.9	120.9	86.1	99	137.4	62.5	54.1	96.9	53.1
Data Used (ug/m3)														
T-101	<5.12E-01	<3.37E-01	<4.41E-01	<1.36E+00	<6.99E-01	<3.85E-01	<1.44E+00	<6.83E-01	<3.93E-01	<1.09E+00	<2.48E-01	<2.15E-01	<3.85E-01	<8.43E-01
T-102	<5.09E-01	<3.35E-01	<4.38E-01	<1.35E+00	<6.96E-01	<3.83E-01	<1.43E+00	<6.80E-01	<3.91E-01	<1.08E+00	<2.47E-01	<2.14E-01	<3.83E-01	<8.38E-01
T-103	<5.09E-01	<3.35E-01	<4.38E-01	<1.35E+00	<6.96E-01	<3.83E-01	<1.43E+00	<6.80E-01	<3.91E-01	<1.08E+00	<2.47E-01	<2.14E-01	<3.83E-01	<8.38E-01
T-104	<5.14E-01	<3.38E-01	<4.42E-01	<1.36E+00	<7.02E-01	<3.86E-01	<1.44E+00	<6.86E-01	<3.94E-01	<1.09E+00	<2.49E-01	<2.16E-01	<3.86E-01	<8.46E-01
T-105	<5.06E-01	4.16	<4.35E-01	<1.34E+00	<6.91E-01	<3.80E-01	<1.42E+00	<6.75E-01	<3.88E-01	<1.08E+00	<2.45E-01	<2.12E-01	<3.80E-01	<8.32E-01
T-106	<5.05E-01	10.99	<4.34E-01	<1.34E+00	<6.89E-01	<3.79E-01	<1.42E+00	<6.74E-01	<3.87E-01	<1.08E+00	<2.45E-01	<2.12E-01	<3.79E-01	<8.31E-01
T-107	<5.06E-01	9.48	<4.35E-01	<1.34E+00	<6.91E-01	<3.80E-01	<1.42E+00	<6.75E-01	<3.88E-01	<1.08E+00	<2.45E-01	<2.12E-01	<3.80E-01	<8.32E-01
T-108	<5.03E-01	10.19	<4.33E-01	<1.33E+00	<6.87E-01	<3.78E-01	6.27	<6.71E-01	<3.86E-01	<1.07E+00	<2.44E-01	<2.11E-01	<3.78E-01	<8.28E-01
T-109	<4.90E-01	10.48	<4.22E-01	<1.30E+00	<6.69E-01	<3.68E-01	6.11	<6.54E-01	<3.76E-01	<1.04E+00	<2.37E-01	<2.05E-01	<3.68E-01	<8.07E-01
T-110	<4.92E-01	<3.24E-01	<4.24E-01	<1.30E+00	<6.73E-01	<3.70E-01	<1.38E+00	<6.57E-01	<3.78E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.70E-01	<8.11E-01
T-111	<4.92E-01	<3.24E-01	<4.24E-01	<1.30E+00	<6.73E-01	<3.70E-01	<1.38E+00	<6.57E-01	<3.78E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.70E-01	<8.11E-01
T-112	<4.82E-01	<3.17E-01	<4.14E-01	<1.28E+00	<6.58E-01	<3.62E-01	<1.35E+00	<6.43E-01	<3.70E-01	<1.03E+00	<2.33E-01	<2.02E-01	<3.62E-01	<7.93E-01
T-113	<4.82E-01	<3.17E-01	<4.14E-01	<1.28E+00	<6.58E-01	<3.62E-01	<1.35E+00	<6.43E-01	<3.70E-01	<1.03E+00	<2.33E-01	<2.02E-01	<3.62E-01	<7.93E-01
T-114	<5.29E-01	<3.48E-01	<4.55E-01	<1.40E+00	<7.23E-01	<3.98E-01	<1.49E+00	<7.06E-01	<4.06E-01	<1.13E+00	<2.56E-01	<2.22E-01	<3.98E-01	<8.71E-01
T-201	<5.14E-01	<3.38E-01	<4.42E-01	<1.36E+00	<7.02E-01	<3.86E-01	<1.44E+00	<6.86E-01	<3.94E-01	<1.09E+00	<2.49E-01	<2.16E-01	<3.86E-01	<8.46E-01
T-202	<5.16E-01	<3.39E-01	<4.44E-01	<1.37E+00	<7.04E-01	<3.87E-01	<1.45E+00	<6.88E-01	<3.96E-01	<1.10E+00	<2.50E-01	<2.16E-01	<3.87E-01	<8.49E-01
T-203	<5.14E-01	<3.38E-01	<4.42E-01	<1.36E+00	<7.02E-01	<3.86E-01	<1.44E+00	<6.86E-01	<3.94E-01	<1.09E+00	<2.49E-01	<2.16E-01	<3.86E-01	<8.46E-01
T-204	<5.07E-01	9.52	53.75	<1.34E+00	<6.93E-01	<3.81E-01	<1.43E+00	<6.77E-01	4.21	5.19	<2.46E-01	<2.13E-01	<3.81E-01	<8.35E-01
T-205	<4.92E-01	<3.24E-01	<4.23E-01	<1.30E+00	<6.71E-01	<3.69E-01	<1.38E+00	<6.56E-01	<3.77E-01	<1.05E+00	<2.38E-01	<2.06E-01	<3.69E-01	<8.09E-01
T-206	<4.85E-01	<3.19E-01	<4.17E-01	<1.28E+00	<6.62E-01	<3.64E-01	<1.36E+00	<6.47E-01	<3.72E-01	<1.03E+00	<2.35E-01	<2.03E-01	<3.64E-01	<7.98E-01
T-207	<4.81E-01	<3.16E-01	<4.14E-01	<1.27E+00	<6.57E-01	<3.61E-01	<1.35E+00	<6.42E-01	<3.69E-01	<1.02E+00	<2.33E-01	<2.02E-01	<3.61E-01	<7.91E-01
T-208	<4.87E-01	<3.21E-01	<4.19E-01	<1.29E+00	<6.66E-01	<3.66E-01	<1.37E+00	<6.51E-01	<3.74E-01	<1.04E+00	<2.36E-01	<2.04E-01	<3.66E-01	<8.02E-01
T-209	<4.87E-01	<3.21E-01	<4.19E-01	<1.29E+00	<6.66E-01	<3.66E-01	<1.37E+00	4.26	<3.74E-01	<1.04E+00	<2.36E-01	<2.04E-01	<3.66E-01	<8.02E-01
T-210	<4.73E-01	<3.11E-01	<4.07E-01	<1.25E+00	<6.46E-01	<3.55E-01	<1.33E+00	<6.31E-01	<3.63E-01	<1.01E+00	<2.29E-01	<1.98E-01	<3.55E-01	<7.78E-01
T-211	<4.82E-01	<3.17E-01	<4.15E-01	<1.28E+00	<6.59E-01	<3.62E-01	<1.36E+00	<6.44E-01	<3.70E-01	<1.03E+00	<2.34E-01	<2.02E-01	<3.62E-01	<7.94E-01
T-212	<4.72E-01	<3.11E-01	<4.06E-01	25.38	<6.45E-01	<3.54E-01	<1.33E+00	<6.30E-01	<3.62E-01	<1.01E+00	<2.29E-01	<1.98E-01	<3.54E-01	<7.77E-01
T-213	<4.72E-01	<3.11E-01	<4.06E-01	27.07	<6.45E-01	<3.54E-01	<1.33E+00	<6.30E-01	<3.62E-01	<1.01E+00	<2.29E-01	<1.98E-01	<3.54E-01	<7.77E-01
T-214	<5.29E-01	<3.48E-01	<4.55E-01	<1.40E+00	<7.23E-01	<3.98E-01	<1.49E+00	<7.06E-01	<4.06E-01	<1.13E+00	<2.56E-01	<2.22E-01	<3.98E-01	<8.71E-01
T-301	<5.16E-01	<3.39E-01	<4.44E-01	<1.37E+00	<7.04E-01	<3.87E-01	<1.45E+00	<6.88E-01	<3.96E-01	<1.10E+00	<2.50E-01	<2.16E-01	<3.87E-01	<8.49E-01
T-302	<5.16E-01	<3.39E-01	<4.44E-01	<1.37E+00	<7.04E-01	<3.87E-01	<1.45E+00	<6.88E-01	<3.96E-01	<1.10E+00	<2.50E-01	<2.16E-01	<3.87E-01	<8.49E-01
T-303	<5.22E-01	<3.44E-01	<4.50E-01	<1.38E+00	<7.14E-01	<3.92E-01	<1.47E+00	<6.97E-01	<4.01E-01	<1.11E+00	<2.53E-01	<2.19E-01	<3.92E-01	<8.60E-01
T-304	<5.18E-01	<3.41E-01	<4.45E-01	<1.37E+00	<7.07E-01	<3.89E-01	<1.46E+00	<6.91E-01	<3.97E-01	<1.10E+00	<2.51E-01	<2.17E-01	<3.89E-01	<8.52E-01
T-305	<4.97E-01	<3.27E-01	<4.27E-01	<1.32E+00	<6.78E-01	<3.73E-01	<1.40E+00	<6.63E-01	<3.81E-01	<1.06E+00	<2.41E-01	<2.08E-01	<3.73E-01	<8.18E-01
T-306	<4.98E-01	<3.27E-01	<4.28E-01	<1.32E+00	<6.80E-01	<3.74E-01	<1.40E+00	<6.64E-01	<3.82E-01	<1.06E+00	<2.41E-01	<2.09E-01	<3.74E-01	<8.19E-01
T-307	<4.98E-01	<3.28E-01	<4.29E-01	<1.32E+00	<6.81E-01	<3.74E-01	<1.40E+00	<6.65E-01	<3.83E-01	<1.06E+00	<2.42E-01	<2.09E-01	<3.74E-01	<8.21E-01
T-308	49.38	<3.33E-01	<4.36E-01	<1.34E+00	<6.92E-01	3.99	<1.42E+00	<6.76E-01	<3.89E-01	<1.08E+00	<2.45E-01	<2.12E-01	<3.80E-01	<8.34E-01
T-309	<4.98E-01	<3.27E-01	<4.28E-01	<1.32E+00	<6.80E-01	<3.74E-01	<1.40E+00	<6.64E-01	<3.82E-01	<1.06E+00	<2.41E-01	<2.09E-01	<3.74E-01	<8.19E-01
T-310	<4.92E-01	<3.24E-01	<4.23E-01	<1.30E+00	<6.71E-01	<3.69E-01	<1.38E+00	<6.56E-01	<3.77E-01	<1.05E+00	<2.38E-01	<2.06E-01	<3.69E-01	<8.09E-01
T-311	<4.98E-01	<3.28E-01	<4.29E-01	<1.32E+00	<6.81E-01	<3.74E-01	<1.40E+00	<6.65E-01	<3.83E-01	<1.06E+00	<2.42E-01	<2.09E-01	<3.74E-01	<8.21E-01
T-312	<4.93E-01	<3.25E-01	<4.24E-01	<1.31E+00	<6.74E-01	<3.71E-01	<1.39E+00	<6.58E-01	<3.79E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.71E-01	<8.12E-01
T-313	<4.93E-01	<3.25E-01	<4.24E-01	<1.31E+00	<6.74E-01	<3.71E-01	<1.39E+00	<6.58E-01	<3.79E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.71E-01	<8.12E-01
T-314	<5.29E-01	<3.48E-01	<4.55E-01	<1.40E+00	<7.23E-01	<3.98E-01	<1.49E+00	<7.06E-01	<4.06E-01	<1.13E+00	<2.56E-01	<2.22E-01	<3.98E-01	<8.71E-01
T-401	<5.11E-01	<3.36E-01	<4.40E-01	<1.35E+00	<6.98E-01	<3.84E-01	<1.44E+00	<6.82E-01	<3.92E-01	<1.09E+00	<2.48E-01	<2.14E-01	<3.84E-01	<8.42E-01
T-402	<5.04E-01	<3.32E-01	<4.34E-01	<1.33E+00	<6.88E-01	<3.78E-01	<1.42E+00	<6.73E-01	<3.87E-01	<1.07E+00	<2.44E-01	<2.11E-01	<3.78E-01	<8.30E-01
T-403	<4.99E-01	<3.29E-01	<4.30E-01	<1.32E+00	<6.82E-01	<3.75E-01	<1.40E+00	<6.67E-01	<3.83E-01	<1.06E+00	<2.42E-01	<2.09E-01	<3.75E-01	<8.22E-01
T-404	<5.05E-01	<3.32E-01	<4.34E-01	<1.34E+00	<6.89E-01	<3.79E-01	<1.42E+00	<6.74E-01	<3.87E-01	<1.08E+00	<2.45E-01	<2.12E-01	<3.79E-01	<8.31E-01
T-405	<4.93E-01	<3.25E-01	<4.24E-01	<1.31E+00	<6.74E-01	<3.71E-01	<1.39E+00	<6.58E-01	<3.79E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.71E-01	<8.12E-01
T-406	<4.88E-01	<3.21E-01	<4.20E-01	<1.29E+00	24.14	<3.67E-01	<1.37E+00	<6.52E-01	<3.75E-01	<1.04E+00	<2.37E-01	<2.05E-01	<3.67E-01	<8.04E-01
T-407	<4.92E-01	<3.24E-01	<4.23E-01	<1.30E+00	<6.71E-01	<3.69E-01	<1.38E+00	<6.56E-01	<3.77E-01	<1.05E+00	<2.38E-01	<2.06E-01	<3.69E-01	<8.09E-01
T-408	<5.02E-01	<3.30E-01	<4.32E-01	<1.33E+00	<6.86E-01	<3.77E-01	<1.41E+00	<6.70E-01	<3.85E-01	<1.07E+00	<2.43E-01	<2.11E-01	<3.77E-01	<8.27E-01
T-409	<4.91E-01	<3.23E-01	<4.22E-01	<1.30E+00	<6.70E-01	<3.69E-01	<1.38E+00	<6.55E-01	<3.77E-01	<1.05E+00	<2.38E-01	<2.06E-01	<3.69E-01	<8.08E-01
T-410	<4.92E-01	<3.24E-01	<4.24E-01	<1.30E+00	<6.73E-01	<3.70E-01	<1.38E+00	<6.57E-01	<3.78E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.70E-01	<8.11E-01
T-411	<4.86E-01	<3.20E-01	<4.18E-01	<1.29E+00	<6.63E-01	<3.65E-01	<1.37E+00	<6.48E-01	<3.73E-01	<1.03E+00	<2.35E-01	<2.04E-01	<3.65E-01	<8.00E-01
T-412	<4.98E-01	<3.27E-01	<4.28E-01	<1.32E+00	<6.80E-01	8.41	<1.40E+00	<6.64E-01	<3.82E-01	<1.06E+00	<2.41E-01	<2.09E-01	<3.74E-01	<8.19E-01
T-413	<4.98E-01	<3.27E-01	<4.28E-01	<1.32E+00	<6.80E-01	12.04	<1.40E+00	<6.64E-01	<3.82E-01	<1.06E+00	<2.41E-01	<2.09E-01	<3.74E-01	<8.19E-01
T-414	<5.29E-01	<3.48E-01	<4.55E-01	<1.40E+00	<7.23E-01	<3.98E-01	<1.49E+00	<7.06E-01	<4.06E-01	<1.13E+00	<2.56E-01	<2.22E-01	<3.98E-01	<8.71E-01
T-501	<5.12E-01	<3.37E-01	<4.41E-01	<1.36E+00	<6.99E-01	<3.85E-01	<1.44E+00	<6.83E-01	<3.93E-01	<1.09E+00	<2.48E-01	<2.15E-01	<3.85E-01	<8.43E-01
T-502	<5.08E-01	<3.35E-01	<4.37E-01	<1.35E+00	<6.94E-01	<3.82E-01	<1.43E+00	<6.79E-01	<3.90E-01	<1.08E+00	<2.46E-01	<2.13E-01	<3.82E-01	<8.37E-01
T-503	<5.07E-01	<3.34E-01	<4.37E-01	<1.34E+00	<6.93E-01	<3.81E-01	<1.43E+00	<6.77E-01	<3.89E-01	<1.08E+00	<2.46E-01	<2.13E-01	<3.81E-01	<8.35E-01
T-504	<5.03E-01	4.10	<4.33E-01	<1.33E+00	<6.87E-01	<3.78E-01	<1.41E+00	<6.71E-01	<3.86E-01	<1.07E+00	<2.44E-01	<2.11E-01	<3.78E-01	<8.28E-01
T-505	<4.79E-01	3.00	<4.12E-01	<1.27E+00	<6.54E-01	<3.60E-01	<1.35E+00	<6.40E-01	<3.68E-01	<1.02E+00	<2.32E-01	<2.01E-01	<3.60E-01	<7.89E-01
T-506	<4.82E-01	<3.17E-01	<4.14E-01	<1.28E+00	<6.58E-01	<3.62E-01	<1.35E+00	<6.43E-01	<3.70E-01	<1.03E+00	<2.33E-01	<2.02E-01	<3.62E-01	<7.93E-01
T-507	<4.82E-01	<3.17E-01	<4.14E-01	<1.28E+00	<6.58E-01	<3.62E-01	<1.35E+00	<6.43E-01	<3.70E-01	<1.03E+00	<2.33E-01	<2.02E-01	<3.62E-01	<7.93E-01
T-508	<4.84E-01	<3.19E-01	<4.16E-01	<1.28E+00	<6.61E-01	<3.64E-01	<1.36E+00	<6.46E-01	<3.71E-01	<1.03E+00	<2.34E-01	<2.03E-01	<3.64E-01	<7.97E-01
T-509	<4.94E-01	<3.25E-01	<4.25E-01	<1.31E+00	<6.75E-01	<3.71E-01	<1.39E+00	<6.60E-01	<3.79E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.71E-01	<8.14E-01
T-510	<4.91E-01	<3.23E-01	<4.22E-01	<1.30E+00	<6.70E-01	<3.69E-01	<1.38E+00	<6.55E-01	<3.77E-01	<1.05E+00	<2.38E-01	<2.06E-01	<3.69E-01	<8.08E-01
T-511	<4.94E-01	<3.25E-01	<4.25E-01	<1.31E+00	<6.75E-01	<3.71E-01	<1.39E+00	<6.60E-01	<3.79E-01	<1.05E+00	<2.39E-01	<2.07E-01	<3.71E-01	<8.14E-01
T-512	<4.87E-01	<3.21E-01	<4.19E-01	<1.29E+00	<6.66E-01	<3.66E-01	<1.37E+00	<6.51E-01	<3.74E-01	<1.04E+00	<2.36E-01	<2.04E-01	<3.66E-01	<8.02E-01
T-513	<4.87E-01	<3.21E-01	<4.19E-01	<1.29E+00	<6.66E-01	<3.66E-01	<1.37E+00	<6.51E-01	<3.74E-01	<1.04E+00	<2.36E-01	<2.04E-01	<3.66E-01	<8.02E-01
T-514	<5.29E-01	<3.48E-01	<4.55E-01	<1.40E+00	<7.23E-01	<3.98E-01	<1.49E+00	<7.06E-01	<4.06E-01	<1.13E+00	<2.56E-01	<2.22E-01	<3.98E-01	<8.71E-01

Compound	Chloroethane	Methylene chloride	cis-1,3-Dichloropropene	1,2-Dichlorotetrafluoroethane	1,4 Dioxane	trans-1,2-Dichloroethene	Dichlorodifluoromethane	Methyl acrylate	1,1-Dichloroethane	Trichlorofluoromethane	Vinyl chloride	1,3-Butadiene	1,1-Dichloroethene	Acrylonitrile
CAS	75-00-3	75-09-2	10061-01-5	76-14-2	123-91-1	156-60-5	75-71-8	96-33-3	75-34-3	75-69-4	75-01-4	106-99-0	75-35-4	107-13-1
Sample ID MW	64.5	84.9	111	170.9	88.1	96.9	120.9	86.1	99	137.4	62.5	54.1	96.9	53.1
Flux (mg/m2-min)														
T-101	<2.11E-05	<1.39E-05	<1.81E-05	<5.58E-05	<2.88E-05	<1.58E-05	<5.93E-05	<2.81E-05	<1.62E-05	<4.49E-05	<1.02E-05	<8.84E-06	<1.58E-05	<3.47E-05
T-102	<1.78E-05	<1.17E-05	<1.53E-05	<4.73E-05	<2.44E-05	<1.34E-05	<5.01E-05	<2.38E-05	<1.37E-05	<3.80E-05	<8.64E-06	<7.48E-06	<1.34E-05	<2.94E-05
T-103	<1.92E-05	<1.26E-05	<1.65E-05	<5.08E-05	<2.62E-05	<1.44E-05	<5.39E-05	<2.56E-05	<1.47E-05	<4.09E-05	<9.29E-06	<8.04E-06	<1.44E-05	<3.16E-05
T-104	<1.90E-05	<1.25E-05	<1.63E-05	<5.03E-05	<2.59E-05	<1.43E-05	<5.34E-05	<2.53E-05	<1.46E-05	<4.04E-05	<9.20E-06	<7.96E-06	<1.43E-05	<3.12E-05
T-105	<1.84E-05	0.00015	<1.58E-05	<4.87E-05	<2.51E-05	<1.38E-05	<5.17E-05	<2.45E-05	<1.41E-05	<3.91E-05	<8.90E-06	<7.71E-06	<1.38E-05	<3.03E-05
T-106	<1.79E-05	0.00039	<1.54E-05	<4.74E-05	<2.44E-05	<1.34E-05	<5.03E-05	<2.39E-05	<1.37E-05	<3.81E-05	<8.67E-06	<7.50E-06	<1.34E-05	<2.95E-05
T-107	<1.87E-05	0.00035	<1.61E-05	<4.96E-05	<2.56E-05	<1.41E-05	<5.27E-05	<2.50E-05	<1.44E-05	<3.99E-05	<9.07E-06	<7.85E-06	<1.41E-05	<3.08E-05
T-108	<2.49E-05	0.00050	<2.14E-05	<6.59E-05	<3.40E-05	<1.87E-05	0.00031	<3.32E-05	<1.91E-05	<5.30E-05	<1.21E-05	<1.04E-05	<1.87E-05	<4.10E-05
T-109	<2.30E-05	0.00049	<1.98E-05	<6.10E-05	<3.15E-05	<1.73E-05	0.00029	<3.07E-05	<1.77E-05	<4.91E-05	<1.12E-05	<9.66E-06	<1.73E-05	<3.79E-05
T-110	<1.84E-05	<1.21E-05	<1.58E-05	<4.88E-05	<2.51E-05	<1.38E-05	<5.17E-05	<2.46E-05	<1.41E-05	<3.92E-05	<8.91E-06	<7.72E-06	<1.38E-05	<3.03E-05
T-111	<2.67E-05	<1.76E-05	<2.30E-05	<7.07E-05	<3.64E-05	<2.00E-05	<7.50E-05	<3.56E-05	<2.05E-05	<5.68E-05	<1.29E-05	<1.12E-05	<2.00E-05	<4.39E-05
T-112	<1.83E-05	<1.20E-05	<1.57E-05	<4.85E-05	<2.50E-05	<1.37E-05	<5.14E-05	<2.44E-05	<1.40E-05	<3.90E-05	<8.86E-06	<7.67E-06	<1.37E-05	<3.01E-05
T-113	<2.00E-05	<1.31E-05	<1.72E-05	<5.29E-05	<2.73E-05	<1.50E-05	<5.61E-05	<2.66E-05	<1.53E-05	<4.25E-05	<9.67E-06	<8.37E-06	<1.50E-05	<3.29E-05
T-114	<2.01E-05	<1.33E-05	<1.73E-05	<5.33E-05	<2.75E-05	<1.51E-05	<5.66E-05	<2.69E-05	<1.55E-05	<4.29E-05	<9.75E-06	<8.44E-06	<1.51E-05	<3.32E-05
T-201	<1.90E-05	<1.25E-05	<1.64E-05	<5.04E-05	<2.60E-05	<1.43E-05	<5.35E-05	<2.54E-05	<1.46E-05	<4.05E-05	<9.22E-06	<7.98E-06	<1.43E-05	<3.13E-05
T-202	<2.05E-05	<1.35E-05	<1.77E-05	<5.44E-05	<2.80E-05	<1.54E-05	<5.77E-05	<2.74E-05	<1.58E-05	<4.37E-05	<9.95E-06	<8.61E-06	<1.54E-05	<3.38E-05
T-203	<2.21E-05	<1.45E-05	<1.90E-05	<5.86E-05	<3.02E-05	<1.66E-05	<6.22E-05	<2.95E-05	<1.70E-05	<4.71E-05	<1.07E-05	<9.27E-06	<1.66E-05	<3.64E-05
T-204	<1.96E-05	0.00037	0.00208	<5.21E-05	<2.68E-05	<1.48E-05	<5.52E-05	<2.62E-05	0.00016	0.00020	<9.52E-06	<8.24E-06	<1.48E-05	<3.23E-05
T-205	<2.68E-05	<1.76E-05	<2.30E-05	<7.09E-05	<3.66E-05	<2.01E-05	<7.53E-05	<3.57E-05	<2.05E-05	<5.70E-05	<1.30E-05	<1.12E-05	<2.01E-05	<4.41E-05
T-206	<2.84E-05	<1.87E-05	<2.45E-05	<7.54E-05	<3.88E-05	<2.14E-05	<8.00E-05	<3.80E-05	<2.18E-05	<6.06E-05	<1.38E-05	<1.19E-05	<2.14E-05	<4.68E-05
T-207	<3.41E-05	<2.25E-05	<2.94E-05	<9.04E-05	<4.66E-05	<2.56E-05	<9.59E-05	<4.55E-05	<2.62E-05	<7.27E-05	<1.65E-05	<1.43E-05	<2.56E-05	<5.62E-05
T-208	<3.96E-05	<2.61E-05	<3.41E-05	<1.05E-04	<5.41E-05	<2.98E-05	<1.11E-04	<5.29E-05	<3.04E-05	<8.44E-05	<1.92E-05	<1.66E-05	<2.98E-05	<6.52E-05
T-209	<3.22E-05	<2.12E-05	<2.77E-05	<8.54E-05	<4.40E-05	<2.42E-05	<9.06E-05	0.00028	<2.47E-05	<6.86E-05	<1.56E-05	<1.35E-05	<2.42E-05	<5.31E-05
T-210	<3.60E-05	<2.37E-05	<3.10E-05	<9.55E-05	<4.92E-05	<2.71E-05	<1.01E-04	<4.81E-05	<2.77E-05	<7.68E-05	<1.75E-05	<1.51E-05	<2.71E-05	<5.93E-05
T-211	<3.81E-05	<2.51E-05	<3.28E-05	<1.01E-04	<5.20E-05	<2.86E-05	<1.07E-04	<5.08E-05	<2.92E-05	<8.11E-05	<1.84E-05	<1.60E-05	<2.86E-05	<6.27E-05
T-212	<2.26E-05	<1.49E-05	<1.95E-05	0.00122	<3.09E-05	<1.70E-05	<6.36E-05	<3.02E-05	<1.74E-05	<4.82E-05	<1.10E-05	<9.49E-06	<1.70E-05	<3.72E-05
T-213	<2.27E-05	<1.50E-05	<1.96E-05	0.00130	<3.11E-05	<1.71E-05	<6.39E-05	<3.03E-05	<1.74E-05	<4.84E-05	<1.10E-05	<9.53E-06	<1.71E-05	<3.74E-05
T-214	<2.22E-05	<1.46E-05	<1.91E-05	<5.88E-05	<3.03E-05	<1.67E-05	<6.24E-05	<2.96E-05	<1.70E-05	<4.73E-05	<1.08E-05	<9.31E-06	<1.67E-05	<3.66E-05
T-301	<1.87E-05	<1.23E-05	<1.61E-05	<4.96E-05	<2.56E-05	<1.41E-05	<5.26E-05	<2.50E-05	<1.44E-05	<3.99E-05	<9.07E-06	<7.85E-06	<1.41E-05	<3.08E-05
T-302	<2.57E-05	<1.69E-05	<2.21E-05	<6.81E-05	<3.51E-05	<1.93E-05	<7.22E-05	<3.43E-05	<1.97E-05	<5.47E-05	<1.24E-05	<1.08E-05	<1.93E-05	<4.23E-05
T-303	<2.80E-05	<1.84E-05	<2.41E-05	<7.41E-05	<3.82E-05	<2.10E-05	<7.87E-05	<3.73E-05	<2.15E-05	<5.96E-05	<1.36E-05	<1.17E-05	<2.10E-05	<4.61E-05
T-304	<3.03E-05	<1.99E-05	<2.61E-05	<8.02E-05	<4.14E-05	<2.28E-05	<8.52E-05	<4.04E-05	<2.32E-05	<6.45E-05	<1.47E-05	<1.27E-05	<2.28E-05	<4.99E-05
T-305	<2.31E-05	<1.52E-05	<1.99E-05	<6.13E-05	<3.16E-05	<1.74E-05	<6.50E-05	<3.09E-05	<1.77E-05	<4.93E-05	<1.12E-05	<9.70E-06	<1.74E-05	<3.81E-05
T-306	<2.26E-05	<1.48E-05	<1.94E-05	<5.98E-05	<3.08E-05	<1.69E-05	<6.34E-05	<3.01E-05	<1.73E-05	<4.81E-05	<1.09E-05	<9.46E-06	<1.69E-05	<3.71E-05
T-307	<2.63E-05	<1.73E-05	<2.27E-05	<6.98E-05	<3.60E-05	<1.98E-05	<7.41E-05	<3.52E-05	<2.02E-05	<5.61E-05	<1.28E-05	<1.10E-05	<1.98E-05	<4.34E-05
T-308	0.00214	<1.45E-05	<1.89E-05	<5.82E-05	<3.00E-05	0.00017	<6.17E-05	<2.93E-05	<1.69E-05	<4.68E-05	<1.06E-05	<9.21E-06	<1.65E-05	<3.62E-05
T-309	<1.91E-05	<1.26E-05	<1.65E-05	<5.07E-05	<2.61E-05	<1.44E-05	<5.38E-05	<2.55E-05	<1.47E-05	<4.08E-05	<9.27E-06	<8.03E-06	<1.44E-05	<3.15E-05
T-310	<2.75E-05	<1.81E-05	<2.37E-05	<7.29E-05	<3.76E-05	<2.07E-05	<7.73E-05	<3.67E-05	<2.11E-05	<5.86E-05	<1.33E-05	<1.15E-05	<2.07E-05	<4.53E-05
T-311	<3.27E-05	<2.15E-05	<2.81E-05	<8.66E-05	<4.46E-05	<2.46E-05	<9.19E-05	<4.36E-05	<2.51E-05	<6.96E-05	<1.58E-05	<1.37E-05	<2.46E-05	<5.38E-05
T-312	<2.37E-05	<1.56E-05	<2.04E-05	<6.27E-05	<3.23E-05	<1.78E-05	<6.65E-05	<3.16E-05	<1.82E-05	<5.04E-05	<1.15E-05	<9.92E-06	<1.78E-05	<3.89E-05
T-313	<1.98E-05	<1.30E-05	<1.70E-05	<5.24E-05	<2.70E-05	<1.49E-05	<5.56E-05	<2.64E-05	<1.52E-05	<4.21E-05	<9.58E-06	<8.29E-06	<1.49E-05	<3.26E-05
T-314	<2.41E-05	<1.58E-05	<2.07E-05	<6.38E-05	<3.29E-05	<1.81E-05	<6.77E-05	<3.21E-05	<1.85E-05	<5.13E-05	<1.17E-05	<1.01E-05	<1.81E-05	<3.96E-05
T-401	<1.84E-05	<1.21E-05	<1.58E-05	<4.87E-05	<2.51E-05	<1.38E-05	<5.17E-05	<2.45E-05	<1.41E-05	<3.92E-05	<8.91E-06	<7.71E-06	<1.38E-05	<3.03E-05
T-402	<1.86E-05	<1.23E-05	<1.60E-05	<4.93E-05	<2.54E-05	<1.40E-05	<5.23E-05	<2.48E-05	<1.43E-05	<3.97E-05	<9.02E-06	<7.81E-06	<1.40E-05	<3.06E-05
T-403	<2.05E-05	<1.35E-05	<1.76E-05	<5.43E-05	<2.80E-05	<1.54E-05	<5.76E-05	<2.73E-05	<1.57E-05	<4.36E-05	<9.93E-06	<8.59E-06	<1.54E-05	<3.37E-05
T-404	<2.50E-05	<1.65E-05	<2.15E-05	<6.63E-05	<3.42E-05	<1.88E-05	<7.03E-05	<3.34E-05	<1.92E-05	<5.33E-05	<1.21E-05	<1.05E-05	<1.88E-05	<4.12E-05
T-405	<2.06E-05	<1.36E-05	<1.77E-05	<5.46E-05	<2.81E-05	<1.55E-05	<5.79E-05	<2.75E-05	<1.58E-05	<4.39E-05	<9.98E-06	<8.64E-06	<1.55E-05	<3.39E-05
T-406	<1.83E-05	<1.21E-05	<1.58E-05	<4.86E-05	0.00091	<1.38E-05	<5.16E-05	<2.45E-05	<1.41E-05	<3.91E-05	<8.88E-06	<7.69E-06	<1.38E-05	<3.02E-05
T-407	<1.82E-05	<1.20E-05	<1.56E-05	<4.82E-05	<2.48E-05	<1.37E-05	<5.11E-05	<2.43E-05	<1.39E-05	<3.87E-05	<8.81E-06	<7.62E-06	<1.37E-05	<2.99E-05
T-408	<1.87E-05	<1.23E-05	<1.61E-05	<4.97E-05	<2.56E-05	<1.41E-05	<5.27E-05	<2.50E-05	<1.44E-05	<3.99E-05	<9.08E-06	<7.86E-06	<1.41E-05	<3.09E-05
T-409	<2.33E-05	<1.53E-05	<2.00E-05	<6.16E-05	<3.18E-05	<1.75E-05	<6.54E-05	<3.10E-05	<1.78E-05	<4.95E-05	<1.13E-05	<9.75E-06	<1.75E-05	<3.83E-05
T-410	<2.21E-05	<1.45E-05	<1.90E-05	<5.85E-05	<3.02E-05	<1.66E-05	<6.21E-05	<2.95E-05	<1.70E-05	<4.71E-05	<1.07E-05	<9.26E-06	<1.66E-05	<3.64E-05
T-411	<2.63E-05	<1.73E-05	<2.26E-05	<6.96E-05	<3.59E-05	<1.97E-05	<7.39E-05	<3.51E-05	<2.02E-05	<5.60E-05	<1.27E-05	<1.10E-05	<1.97E-05	<4.33E-05
T-412	<1.82E-05	<1.19E-05	<1.56E-05	<4.81E-05	<2.48E-05	0.00031	<5.10E-05	<2.42E-05	<1.39E-05	<3.87E-05	<8.80E-06	<7.61E-06	<1.36E-05	<2.99E-05
T-413	<1.80E-05	<1.18E-05	<1.55E-05	<4.77E-05	<2.46E-05	0.00044	<5.06E-05	<2.40E-05	<1.38E-05	<3.83E-05	<8.72E-06	<7.55E-06	<1.35E-05	<2.96E-05
T-414	<1.72E-05	<1.13E-05	<1.48E-05	<4.57E-05	<2.36E-05	<1.30E-05	<4.85E-05	<2.30E-05	<1.32E-05	<3.67E-05	<8.35E-06	<7.23E-06	<1.30E-05	<2.84E-05
T-501	<2.93E-05	<1.93E-05	<2.52E-05	<7.76E-05	<4.00E-05	<2.20E-05	<8.24E-05	<3.91E-05	<2.25E-05	<6.24E-05	<1.42E-05	<1.23E-05	<2.20E-05	<4.82E-05
T-502	<2.82E-05	<1.86E-05	<2.43E-05	<7.47E-05	<3.85E-05	<2.12E-05	<7.93E-05	<3.76E-05	<2.16E-05	<6.01E-05	<1.37E-05	<1.18E-05	<2.12E-05	<4.64E-05
T-503	<2.13E-05	<1.40E-05	<1.83E-05	<5.63E-05	<2.90E-05	<1.60E-05	<5.98E-05	<2.84E-05	<1.63E-05	<4.53E-05	<1.03E-05	<8.91E-06	<1.60E-05	<3.50E-05
T-504	<2.40E-05	0.00020	<2.07E-05	<6.37E-05	<3.28E-05	<1.81E-05	<6.76E-05	<3.21E-05	<1.85E-05	<5.12E-05	<1.17E-05	<1.01E-05	<1.81E-05	<3.96E-05
T-505	<2.70E-05	0.00017	<2.32E-05	<7.15E-05	<3.69E-05	<2.03E-05	<7.59E-05	<3.60E-05	<2.07E-05	<5.75E-05	<1.31E-05	<1.13E-05	<2.03E-05	<4.45E-05
T-506	<2.80E-05	<1.84E-05	<2.41E-05	<7.42E-05	<3.83E-05	<2.10E-05	<7.88E-05	<3.74E-05	<2.15E-05	<5.97E-05	<1.36E-05	<1.18E-05	<2.10E-05	<4.61E-05
T-507	<2.50E-05	<1.65E-05	<2.15E-05	<6.63E-05	<3.42E-05	<1.88E-05	<7.03E-05	<3.34E-05	<1.92E-05	<5.33E-05	<1.21E-05	<1.05E-05	<1.88E-05	<4.12E-05
T-508	<2.26E-05	<1.49E-05	<1.94E-05	<5.98E-05	<3.08E-05	<1.70E-05	<6.35E-05	<3.01E-05	<1.73E-05	<4.81E-05	<1.09E-05	<9.47E-06	<1.70E-05	<3.72E-05
T-509	<1.90E-05	<1.25E-05	<1.63E-05	<5.02E-05	<2.59E-05	<1.42E-05	<5.33E-05	<2.53E-05	<1.46E-05	<4.04E-05	<9.19E-06	<7.95E-06	<1.42E-05	<3.12E-05
T-510	<2.21E-05	<1.46E-05	<1.91E-05	<5.87E-05	<3.02E-05	<1.66E-05	<6.23E-05	<2.96E-05	<1.70E-05	<4.72E-05	<1.07E-05	<9.29E-06	<1.66E-05	<3.65E-05
T-511	<1.81E-05	<1.19E-05	<1.56E-05	<4.80E-05	<2.48E-05	<1.36E-05	<5.10E-05	<2.42E-05	<1.39E-05	<3.86E-05	<8.78E-06	<7.60E-06	<1.36E-05	<2.98E-05
T-512	<2.94E-05	<1.94E-05	<2.53E-05	<7.80E-05	<4.02E-05	<2.21E-05	<8.27E-05	<3.93E-05	<2.26E-05	<6.27E-05	<1.43E-05	<1.23E-05	<2.21E-05	<4.85E-05
T-513	<2.51E-05	<1.65E-05	<2.16E-05	<6.65E-05	<3.43E-05	<1.89E-05	<7.06E-05	<3.35E-05	<1.93E-05	<5.35E-05	<1.22E-05	<1.05E-05	<1.89E-05	<4.14E-05
T-514	<2.34E-05	<1.54E-05	<2.01E-05	<6.19E-05	<3.19E-05	<1.75E-05	<6.57E-05	<3.12E-05	<1.79E-05	<4.98E-05	<1.13E-05	<9.80E-06	<1.75E-05	<3.85E-05

Compound	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methyl tert butyl ether	Propionitrile	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride
CAS	76-13-1	107-05-1	1634-04-4	107-12-0	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5
Sample ID MW	187.4	76.5	88.1	55.1	102.2	86.1	102.2	67.1	129.4	74.1	113	133.4	111	153.8
Lab Data (ppbv)														
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-413	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methyl tert butyl ether	Propionitrile	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride
CAS	76-13-1	107-05-1	1634-04-4	107-12-0	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5
Sample ID MW	187.4	76.5	88.1	55.1	102.2	86.1	102.2	67.1	129.4	74.1	113	133.4	111	153.8
MDL (ppbv)														
T-101	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-102	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-103	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-104	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-105	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-106	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-107	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-108	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-109	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-110	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-111	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-112	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-113	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-114	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-201	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-202	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-203	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-204	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-205	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-206	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-207	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-208	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-209	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-210	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-211	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-212	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-213	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-214	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-301	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-302	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-303	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-304	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-305	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-306	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-307	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-308	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-309	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-310	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-311	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-312	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-313	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-314	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-401	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-402	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-403	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-404	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-405	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-406	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-407	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-408	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-409	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-410	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-411	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-412	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-413	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-414	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-501	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-502	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-503	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-504	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-505	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-506	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-507	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-508	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-509	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-510	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-511	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-512	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-513	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2
T-514	0.2	0.2	0.4	1	0.4	0.2	0.4	0.4	0.2	0.8	0.2	0.2	0.2	0.2

Compound	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methyl tert butyl ether	Propionitrile	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride
CAS	76-13-1	107-05-1	1634-04-4	107-12-0	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5
Sample ID MW	187.4	76.5	88.1	55.1	102.2	86.1	102.2	67.1	129.4	74.1	113	133.4	111	153.8
Data Used (ug/m3)														
T-101	<7.44E-01	<3.04E-01	<6.99E-01	<1.09E+00	<8.11E-01	<3.42E-01	<8.11E-01	<5.33E-01	<5.14E-01	<1.18E+00	<4.49E-01	<5.29E-01	<4.41E-01	<6.10E-01
T-102	<7.40E-01	<3.02E-01	<6.96E-01	<1.09E+00	<8.07E-01	<3.40E-01	<8.07E-01	<5.30E-01	<5.11E-01	<1.17E+00	<4.46E-01	<5.27E-01	<4.38E-01	<6.07E-01
T-103	<7.40E-01	<3.02E-01	<6.96E-01	<1.09E+00	<8.07E-01	<3.40E-01	<8.07E-01	<5.30E-01	<5.11E-01	<1.17E+00	<4.46E-01	<5.27E-01	<4.38E-01	<6.07E-01
T-104	<7.47E-01	<3.05E-01	<7.02E-01	<1.10E+00	<8.14E-01	<3.43E-01	<8.14E-01	<5.35E-01	<5.15E-01	<1.18E+00	<4.50E-01	<5.31E-01	<4.42E-01	<6.13E-01
T-105	<7.35E-01	<3.00E-01	<6.91E-01	<1.08E+00	<8.01E-01	<3.37E-01	<8.01E-01	<5.26E-01	<5.07E-01	<1.16E+00	<4.43E-01	<5.23E-01	<4.35E-01	<6.03E-01
T-106	<7.33E-01	<2.99E-01	<6.89E-01	<1.08E+00	<8.00E-01	<3.37E-01	<8.00E-01	<5.25E-01	<5.06E-01	<1.16E+00	<4.42E-01	<5.22E-01	<4.34E-01	<6.02E-01
T-107	<7.35E-01	<3.00E-01	<6.91E-01	<1.08E+00	<8.01E-01	<3.37E-01	<8.01E-01	<5.26E-01	<5.07E-01	<1.16E+00	<4.43E-01	<5.23E-01	<4.35E-01	<6.03E-01
T-108	<7.31E-01	<2.98E-01	<6.87E-01	<1.07E+00	<7.97E-01	<3.36E-01	<7.97E-01	<5.23E-01	<5.04E-01	<1.16E+00	<4.41E-01	<5.20E-01	<4.33E-01	<6.00E-01
T-109	<7.12E-01	<2.90E-01	<6.69E-01	<1.05E+00	<7.76E-01	<3.27E-01	<7.76E-01	<5.10E-01	<4.91E-01	<1.13E+00	<4.29E-01	<5.07E-01	<4.22E-01	<5.84E-01
T-110	<7.15E-01	<2.92E-01	<6.73E-01	<1.05E+00	<7.80E-01	<3.29E-01	<7.80E-01	<5.12E-01	<4.94E-01	<1.13E+00	<4.31E-01	<5.09E-01	<4.24E-01	<5.87E-01
T-111	<7.15E-01	<2.92E-01	<6.73E-01	<1.05E+00	<7.80E-01	<3.29E-01	<7.80E-01	<5.12E-01	<4.94E-01	<1.13E+00	<4.31E-01	<5.09E-01	<4.24E-01	<5.87E-01
T-112	<7.00E-01	<2.86E-01	<6.58E-01	<1.03E+00	<7.63E-01	<3.21E-01	<7.63E-01	<5.01E-01	<4.83E-01	<1.11E+00	<4.22E-01	<4.98E-01	<4.14E-01	<5.74E-01
T-113	<7.00E-01	<2.86E-01	<6.58E-01	<1.03E+00	<7.63E-01	<3.21E-01	<7.63E-01	<5.01E-01	<4.83E-01	<1.11E+00	<4.22E-01	<4.98E-01	<4.14E-01	<5.74E-01
T-114	<7.69E-01	<3.14E-01	<7.23E-01	<1.13E+00	<8.39E-01	<3.53E-01	<8.39E-01	<5.51E-01	<5.31E-01	<1.22E+00	<4.64E-01	<5.47E-01	<4.55E-01	<6.31E-01
T-201	<7.47E-01	<3.05E-01	<7.02E-01	<1.10E+00	<8.14E-01	<3.43E-01	<8.14E-01	<5.35E-01	<5.15E-01	<1.18E+00	<4.50E-01	<5.31E-01	<4.42E-01	<6.13E-01
T-202	<7.49E-01	<3.06E-01	<7.04E-01	<1.10E+00	<8.17E-01	<3.44E-01	<8.17E-01	<5.37E-01	<5.17E-01	<1.19E+00	<4.52E-01	<5.33E-01	<4.44E-01	<6.15E-01
T-203	<7.47E-01	<3.05E-01	<7.02E-01	<1.10E+00	<8.14E-01	<3.43E-01	<8.14E-01	<5.35E-01	<5.15E-01	<1.18E+00	<4.50E-01	<5.31E-01	<4.42E-01	<6.13E-01
T-204	<7.37E-01	<3.01E-01	<6.93E-01	<1.08E+00	<8.04E-01	<3.39E-01	<8.04E-01	<5.28E-01	<5.09E-01	<1.17E+00	<4.44E-01	<5.25E-01	<4.37E-01	<6.05E-01
T-205	<7.14E-01	<2.92E-01	<6.71E-01	<1.05E+00	<7.79E-01	<3.28E-01	<7.79E-01	<5.11E-01	<4.93E-01	<1.13E+00	<4.31E-01	<5.08E-01	<4.23E-01	<5.86E-01
T-206	<7.04E-01	<2.88E-01	<6.62E-01	<1.04E+00	<7.68E-01	<3.24E-01	<7.68E-01	<5.04E-01	<4.86E-01	<1.11E+00	<4.25E-01	<5.01E-01	<4.17E-01	<5.78E-01
T-207	<6.98E-01	<2.85E-01	<6.57E-01	<1.03E+00	<7.62E-01	<3.21E-01	<7.62E-01	<5.00E-01	<4.82E-01	<1.10E+00	<4.21E-01	<4.97E-01	<4.14E-01	<5.73E-01
T-208	<7.08E-01	<2.89E-01	<6.66E-01	<1.04E+00	<7.72E-01	<3.25E-01	<7.72E-01	<5.07E-01	<4.89E-01	<1.12E+00	<4.27E-01	<5.04E-01	<4.19E-01	<5.81E-01
T-209	<7.08E-01	<2.89E-01	<6.66E-01	<1.04E+00	<7.72E-01	<3.25E-01	<7.72E-01	<5.07E-01	<4.89E-01	<1.12E+00	<4.27E-01	<5.04E-01	<4.19E-01	<5.81E-01
T-210	<6.87E-01	<2.80E-01	<6.46E-01	<1.01E+00	<7.49E-01	<3.15E-01	<7.49E-01	<4.92E-01	<4.74E-01	<1.09E+00	<4.14E-01	<4.89E-01	<4.07E-01	<5.64E-01
T-211	<7.01E-01	<2.86E-01	<6.59E-01	<1.03E+00	<7.64E-01	<3.22E-01	<7.64E-01	<5.02E-01	<4.84E-01	<1.11E+00	<4.23E-01	<4.99E-01	<4.15E-01	<5.75E-01
T-212	<6.86E-01	<2.80E-01	<6.45E-01	<1.01E+00	<7.48E-01	<3.15E-01	<7.48E-01	<4.91E-01	<4.73E-01	<1.08E+00	<4.13E-01	<4.88E-01	<4.06E-01	<5.63E-01
T-213	<6.86E-01	<2.80E-01	<6.45E-01	<1.01E+00	<7.48E-01	<3.15E-01	<7.48E-01	<4.91E-01	<4.73E-01	<1.08E+00	<4.13E-01	<4.88E-01	<4.06E-01	<5.63E-01
T-214	<7.69E-01	<3.14E-01	<7.23E-01	<1.13E+00	<8.39E-01	<3.53E-01	<8.39E-01	<5.51E-01	<5.31E-01	<1.22E+00	<4.64E-01	<5.47E-01	<4.55E-01	<6.31E-01
T-301	<7.49E-01	<3.06E-01	<7.04E-01	<1.10E+00	<8.17E-01	<3.44E-01	<8.17E-01	<5.37E-01	<5.17E-01	<1.19E+00	<4.52E-01	<5.33E-01	<4.44E-01	<6.15E-01
T-302	<7.49E-01	<3.06E-01	<7.04E-01	<1.10E+00	<8.17E-01	<3.44E-01	<8.17E-01	<5.37E-01	<5.17E-01	<1.19E+00	<4.52E-01	<5.33E-01	<4.44E-01	<6.15E-01
T-303	<7.59E-01	<3.10E-01	<7.14E-01	<1.12E+00	<8.28E-01	<3.49E-01	<8.28E-01	<5.43E-01	<5.24E-01	<1.20E+00	<4.58E-01	<5.40E-01	<4.50E-01	<6.23E-01
T-304	<7.52E-01	<3.07E-01	<7.07E-01	<1.11E+00	<8.20E-01	<3.45E-01	<8.20E-01	<5.38E-01	<5.19E-01	<1.19E+00	<4.53E-01	<5.35E-01	<4.45E-01	<6.17E-01
T-305	<7.22E-01	<2.95E-01	<6.78E-01	<1.06E+00	<7.87E-01	<3.32E-01	<7.87E-01	<5.17E-01	<4.98E-01	<1.14E+00	<4.35E-01	<5.14E-01	<4.27E-01	<5.92E-01
T-306	<7.23E-01	<2.95E-01	<6.80E-01	<1.06E+00	<7.88E-01	<3.32E-01	<7.88E-01	<5.18E-01	<4.99E-01	<1.14E+00	<4.36E-01	<5.15E-01	<4.28E-01	<5.93E-01
T-307	<7.24E-01	<2.96E-01	<6.81E-01	<1.06E+00	<7.90E-01	<3.33E-01	<7.90E-01	<5.19E-01	<5.00E-01	<1.15E+00	<4.37E-01	<5.15E-01	<4.29E-01	<5.94E-01
T-308	<7.36E-01	<3.00E-01	<6.92E-01	<1.08E+00	<8.03E-01	<3.38E-01	<8.03E-01	<5.27E-01	<5.08E-01	<1.16E+00	<4.44E-01	<5.24E-01	<4.36E-01	<6.04E-01
T-309	<7.23E-01	<2.95E-01	<6.80E-01	<1.06E+00	<7.88E-01	<3.32E-01	<7.88E-01	<5.18E-01	<4.99E-01	<1.14E+00	<4.36E-01	<5.15E-01	<4.28E-01	<5.93E-01
T-310	<7.14E-01	<2.92E-01	<6.71E-01	<1.05E+00	<7.79E-01	<3.28E-01	<7.79E-01	<5.11E-01	<4.93E-01	<1.13E+00	<4.31E-01	<5.08E-01	<4.23E-01	<5.86E-01
T-311	<7.24E-01	<2.96E-01	<6.81E-01	<1.06E+00	<7.90E-01	<3.33E-01	<7.90E-01	<5.19E-01	<5.00E-01	<1.15E+00	<4.37E-01	<5.15E-01	<4.29E-01	<5.94E-01
T-312	<7.17E-01	<2.93E-01	<6.74E-01	<1.05E+00	<7.82E-01	<3.29E-01	<7.82E-01	<5.13E-01	<4.95E-01	<1.13E+00	<4.32E-01	<5.10E-01	<4.24E-01	<5.88E-01
T-313	<7.17E-01	<2.93E-01	<6.74E-01	<1.05E+00	<7.82E-01	<3.29E-01	<7.82E-01	<5.13E-01	<4.95E-01	<1.13E+00	<4.32E-01	<5.10E-01	<4.24E-01	<5.88E-01
T-314	<7.69E-01	<3.14E-01	<7.23E-01	<1.13E+00	<8.39E-01	<3.53E-01	<8.39E-01	<5.51E-01	<5.31E-01	<1.22E+00	<4.64E-01	<5.47E-01	<4.55E-01	<6.31E-01
T-401	<7.42E-01	<3.03E-01	<6.98E-01	<1.09E+00	<8.10E-01	<3.41E-01	<8.10E-01	<5.32E-01	<5.13E-01	<1.17E+00	<4.48E-01	<5.29E-01	<4.40E-01	<6.09E-01
T-402	<7.32E-01	<2.99E-01	<6.88E-01	<1.08E+00	<7.98E-01	<3.36E-01	<7.98E-01	<5.24E-01	<5.05E-01	<1.16E+00	<4.41E-01	<5.21E-01	<4.34E-01	<6.01E-01
T-403	<7.25E-01	<2.96E-01	<6.82E-01	<1.07E+00	<7.91E-01	<3.33E-01	<7.91E-01	<5.19E-01	<5.01E-01	<1.15E+00	<4.37E-01	<5.16E-01	<4.30E-01	<5.95E-01
T-404	<7.33E-01	<2.99E-01	<6.89E-01	<1.08E+00	<8.00E-01	<3.37E-01	<8.00E-01	<5.25E-01	<5.06E-01	<1.16E+00	<4.42E-01	<5.22E-01	<4.34E-01	<6.02E-01
T-405	<7.17E-01	<2.93E-01	<6.74E-01	<1.05E+00	<7.82E-01	<3.29E-01	<7.82E-01	<5.13E-01	<4.95E-01	<1.13E+00	<4.32E-01	<5.10E-01	<4.24E-01	<5.88E-01
T-406	<7.09E-01	<2.89E-01	<6.67E-01	<1.04E+00	<7.73E-01	<3.26E-01	<7.73E-01	<5.08E-01	<4.90E-01	<1.12E+00	<4.28E-01	<5.05E-01	<4.20E-01	<5.82E-01
T-407	<7.14E-01	<2.92E-01	<6.71E-01	<1.05E+00	<7.79E-01	<3.28E-01	<7.79E-01	<5.11E-01	<4.93E-01	<1.13E+00	<4.31E-01	<5.08E-01	<4.23E-01	<5.86E-01
T-408	<7.29E-01	<2.98E-01	<6.86E-01	<1.07E+00	<7.95E-01	<3.35E-01	<7.95E-01	<5.22E-01	<5.04E-01	<1.15E+00	<4.40E-01	<5.19E-01	<4.32E-01	<5.99E-01
T-409	<7.13E-01	<2.91E-01	<6.70E-01	<1.05E+00	<7.78E-01	<3.28E-01	<7.78E-01	<5.10E-01	<4.92E-01	<1.13E+00	<4.30E-01	<5.07E-01	<4.22E-01	<5.85E-01
T-410	<7.15E-01	<2.92E-01	<6.73E-01	<1.05E+00	<7.80E-01	<3.29E-01	<7.80E-01	<5.12E-01	<4.94E-01	<1.13E+00	<4.31E-01	<5.09E-01	<4.24E-01	<5.87E-01
T-411	<7.06E-01	<2.88E-01	<6.63E-01	<1.04E+00	<7.70E-01	<3.24E-01	<7.70E-01	<5.05E-01	<4.87E-01	<1.12E+00	<4.25E-01	<5.02E-01	<4.18E-01	<5.79E-01
T-412	<7.23E-01	<2.95E-01	<6.80E-01	<1.06E+00	<7.88E-01	<3.32E-01	<7.88E-01	<5.18E-01	<4.99E-01	<1.14E+00	<4.36E-01	<5.15E-01	<4.28E-01	<5.93E-01
T-413	<7.23E-01	<2.95E-01	<6.80E-01	<1.06E+00	<7.88E-01	<3.32E-01	<7.88E-01	<5.18E-01	<4.99E-01	<1.14E+00	<4.36E-01	<5.15E-01	<4.28E-01	<5.93E-01
T-414	<7.69E-01	<3.14E-01	<7.23E-01	<1.13E+00	<8.39E-01	<3.53E-01	<8.39E-01	<5.51E-01	<5.31E-01	<1.22E+00	<4.64E-01	<5.47E-01	<4.55E-01	<6.31E-01
T-501	<7.44E-01	<3.04E-01	<6.99E-01	<1.09E+00	<8.11E-01	<3.42E-01	<8.11E-01	<5.33E-01	<5.14E-01	<1.18E+00	<4.49E-01	<5.29E-01	<4.41E-01	<6.10E-01
T-502	<7.38E-01	<3.01E-01	<6.94E-01	<1.09E+00	<8.05E-01	<3.39E-01	<8.05E-01	<5.29E-01	<5.10E-01	<1.17E+00	<4.45E-01	<5.26E-01	<4.37E-01	<6.06E-01
T-503	<7.37E-01	<3.01E-01	<6.93E-01	<1.08E+00	<8.04E-01	<3.39E-01	<8.04E-01	<5.28E-01	<5.09E-01	<1.17E+00	<4.44E-01	<5.25E-01	<4.37E-01	<6.05E-01
T-504	<7.31E-01	<2.98E-01	<6.87E-01	<1.07E+00	<7.97E-01	<3.36E-01	<7.97E-01	<5.23E-01	<5.04E-01	<1.16E+00	<4.41E-01	<5.20E-01	<4.33E-01	<6.00E-01
T-505	<6.96E-01	<2.84E-01	<6.54E-01	<1.02E+00	<7.59E-01	<3.20E-01	<7.59E-01	<4.98E-01	<4.81E-01	<1.10E+00	<4.20E-01	<4.95E-01	<4.12E-01	<5.71E-01
T-506	<7.00E-01	<2.86E-01	<6.58E-01	<1.03E+00	<7.63E-01	<3.21E-01	<7.63E-01	<5.01E-01	<4.83E-01	<1.11E+00	<4.22E-01	<4.98E-01	<4.14E-01	<5.74E-01
T-507	<7.00E-01	<2.86E-01	<6.58E-01	<1.03E+00	<7.63E-01	<3.21E-01	<7.63E-01	<5.01E-01	<4.83E-01	<1.11E+00	<4.22E-01	<4.98E-01	<4.14E-01	<5.74E-01
T-508	<7.03E-01	<2.87E-01	<6.61E-01	<1.03E+00	<7.67E-01	<3.23E-01	<7.67E-01	<5.03E-01	<4.85E-01	<1.11E+00	<4.24E-01	<5.00E-01	<4.16E-01	<5.77E-01
T-509	<7.18E-01	<2.93E-01	<6.75E-01	<1.06E+00	<7.83E-01	<3.30E-01	<7.83E-01	<5.14E-01	<4.96E-01	<1.14E+00	<4.33E-01	<5.11E-01	<4.25E-01	<5.89E-01
T-510	<7.13E-01	<2.91E-01	<6.70E-01	<1.05E+00	<7.78E-01	<3.28E-01	<7.78E-01	<5.10E-01	<4.92E-01	<1.13E+00	<4.30E-01	<5.07E-01	<4.22E-01	<5.85E-01
T-511	<7.18E-01	<2.93E-01	<6.75E-01	<1.06E+00	<7.83E-01	<3.30E-01	<7.83E-01	<5.14E-01	<4.96E-01	<1.14E+00	<4.33E-01	<5.11E-01	<4.25E-01	<5.89E-01
T-512	<7.08E-01	<2.89E-01	<6.66E-01	<1.04E+00	<7.72E-01	<3.25E-01	<7.72E-01	<5.07E-01	<4.89E-01	<1.12E+00	<4.27E-01	<5.04E-01	<4.19E-01	<5.81E-01
T-513	<7.08E-01	<2.89E-01	<6.66E-01	<1.04E+00	<7.72E-01	<3.25E-01	<7.72E-01	<5.07E-01	<4.89E-01	<1.12E+00	<4.27E-01	<5.04E-01	<4.19E-01	<5.81E-01
T-514	<7.69E-01	<3.14E-01	<7.23E-01	<1.13E+00	<8.39E-01	<3.53E-01	<8.39E-01	<5.51E-01	<5.31E-01	<1.22E+00	<4.64E-01	<5.47E-01	<4.55E-01	<6.31E-01

Compound	1,1,2-Trichlorotrifluoroethane	Allyl chloride	Methyl tert butyl ether	Propionitrile	Ethyl tert butyl ether	Vinyl acetate	Diisopropyl ether	Methacrylonitrile	Bromochloromethane	Isobutyl alcohol	2,2-Dichloropropane	1,1,1-Trichloroethane	1,1-Dichloropropene	Carbon tetrachloride
CAS	76-13-1	107-05-1	1634-04-4	107-12-0	637-92-3	108-05-4	108-20-3	126-98-7	74-97-5	78-83-1	594-20-7	71-55-6	563-58-6	56-23-5
Sample ID MW	187.4	76.5	88.1	55.1	102.2	86.1	102.2	67.1	129.4	74.1	113	133.4	111	153.8
Flux (mg/m2-min)														
T-101	<3.06E-05	<1.25E-05	<2.88E-05	<4.50E-05	<3.34E-05	<1.41E-05	<3.34E-05	<2.19E-05	<2.11E-05	<4.84E-05	<1.85E-05	<2.18E-05	<1.81E-05	<2.51E-05
T-102	<2.59E-05	<1.06E-05	<2.44E-05	<3.81E-05	<2.83E-05	<1.19E-05	<2.83E-05	<1.86E-05	<1.79E-05	<4.10E-05	<1.56E-05	<1.84E-05	<1.53E-05	<2.13E-05
T-103	<2.79E-05	<1.14E-05	<2.62E-05	<4.10E-05	<3.04E-05	<1.28E-05	<3.04E-05	<2.00E-05	<1.92E-05	<4.41E-05	<1.68E-05	<1.98E-05	<1.65E-05	<2.29E-05
T-104	<2.76E-05	<1.13E-05	<2.59E-05	<4.05E-05	<3.01E-05	<1.27E-05	<3.01E-05	<1.97E-05	<1.90E-05	<4.36E-05	<1.66E-05	<1.96E-05	<1.63E-05	<2.26E-05
T-105	<2.67E-05	<1.09E-05	<2.51E-05	<3.92E-05	<2.91E-05	<1.23E-05	<2.91E-05	<1.91E-05	<1.84E-05	<4.22E-05	<1.61E-05	<1.90E-05	<1.58E-05	<2.19E-05
T-106	<2.60E-05	<1.06E-05	<2.44E-05	<3.82E-05	<2.83E-05	<1.19E-05	<2.83E-05	<1.86E-05	<1.79E-05	<4.11E-05	<1.57E-05	<1.85E-05	<1.54E-05	<2.13E-05
T-107	<2.72E-05	<1.11E-05	<2.56E-05	<4.00E-05	<2.97E-05	<1.25E-05	<2.97E-05	<1.95E-05	<1.88E-05	<4.30E-05	<1.64E-05	<1.94E-05	<1.61E-05	<2.23E-05
T-108	<3.61E-05	<1.48E-05	<3.40E-05	<5.31E-05	<3.94E-05	<1.66E-05	<3.94E-05	<2.59E-05	<2.50E-05	<5.72E-05	<2.18E-05	<2.57E-05	<2.14E-05	<2.97E-05
T-109	<3.35E-05	<1.37E-05	<3.15E-05	<4.92E-05	<3.65E-05	<1.54E-05	<3.65E-05	<2.40E-05	<2.31E-05	<5.29E-05	<2.02E-05	<2.38E-05	<1.98E-05	<2.75E-05
T-110	<2.67E-05	<1.09E-05	<2.51E-05	<3.93E-05	<2.92E-05	<1.23E-05	<2.92E-05	<1.91E-05	<1.85E-05	<4.23E-05	<1.61E-05	<1.90E-05	<1.58E-05	<2.19E-05
T-111	<3.88E-05	<1.58E-05	<3.64E-05	<5.70E-05	<4.23E-05	<1.78E-05	<4.23E-05	<2.78E-05	<2.68E-05	<6.13E-05	<2.34E-05	<2.76E-05	<2.30E-05	<3.18E-05
T-112	<2.66E-05	<1.08E-05	<2.50E-05	<3.91E-05	<2.90E-05	<1.22E-05	<2.90E-05	<1.90E-05	<1.83E-05	<4.20E-05	<1.60E-05	<1.89E-05	<1.57E-05	<2.18E-05
T-113	<2.90E-05	<1.18E-05	<2.73E-05	<4.26E-05	<3.16E-05	<1.33E-05	<3.16E-05	<2.08E-05	<2.00E-05	<4.58E-05	<1.75E-05	<2.06E-05	<1.72E-05	<2.38E-05
T-114	<2.92E-05	<1.19E-05	<2.75E-05	<4.30E-05	<3.19E-05	<1.34E-05	<3.19E-05	<2.09E-05	<2.02E-05	<4.63E-05	<1.76E-05	<2.08E-05	<1.73E-05	<2.40E-05
T-201	<2.77E-05	<1.13E-05	<2.60E-05	<4.07E-05	<3.02E-05	<1.27E-05	<3.02E-05	<1.98E-05	<1.91E-05	<4.37E-05	<1.67E-05	<1.97E-05	<1.64E-05	<2.27E-05
T-202	<2.98E-05	<1.22E-05	<2.80E-05	<4.39E-05	<3.25E-05	<1.37E-05	<3.25E-05	<2.14E-05	<2.06E-05	<4.72E-05	<1.80E-05	<2.12E-05	<1.77E-05	<2.45E-05
T-203	<3.21E-05	<1.31E-05	<3.02E-05	<4.72E-05	<3.50E-05	<1.48E-05	<3.50E-05	<2.30E-05	<2.22E-05	<5.08E-05	<1.94E-05	<2.29E-05	<1.90E-05	<2.64E-05
T-204	<2.85E-05	<1.16E-05	<2.68E-05	<4.20E-05	<3.11E-05	<1.31E-05	<3.11E-05	<2.04E-05	<1.97E-05	<4.51E-05	<1.72E-05	<2.03E-05	<1.69E-05	<2.34E-05
T-205	<3.89E-05	<1.59E-05	<3.66E-05	<5.72E-05	<4.24E-05	<1.79E-05	<4.24E-05	<2.79E-05	<2.69E-05	<6.15E-05	<2.35E-05	<2.77E-05	<2.30E-05	<3.19E-05
T-206	<4.13E-05	<1.69E-05	<3.88E-05	<6.07E-05	<4.51E-05	<1.90E-05	<4.51E-05	<2.96E-05	<2.85E-05	<6.53E-05	<2.49E-05	<2.94E-05	<2.45E-05	<3.39E-05
T-207	<4.96E-05	<2.02E-05	<4.66E-05	<7.29E-05	<5.41E-05	<2.28E-05	<5.41E-05	<3.55E-05	<3.42E-05	<7.84E-05	<2.99E-05	<3.53E-05	<2.94E-05	<4.07E-05
T-208	<5.76E-05	<2.35E-05	<5.41E-05	<8.46E-05	<6.28E-05	<2.64E-05	<6.28E-05	<4.12E-05	<3.97E-05	<9.10E-05	<3.47E-05	<4.10E-05	<3.41E-05	<4.72E-05
T-209	<4.68E-05	<1.91E-05	<4.40E-05	<6.88E-05	<5.11E-05	<2.15E-05	<5.11E-05	<3.35E-05	<3.23E-05	<7.40E-05	<2.82E-05	<3.33E-05	<2.77E-05	<3.84E-05
T-210	<5.23E-05	<2.14E-05	<4.92E-05	<7.69E-05	<5.71E-05	<2.40E-05	<5.71E-05	<3.75E-05	<3.61E-05	<8.28E-05	<3.16E-05	<3.73E-05	<3.10E-05	<4.30E-05
T-211	<5.53E-05	<2.26E-05	<5.20E-05	<8.13E-05	<6.03E-05	<2.54E-05	<6.03E-05	<3.96E-05	<3.82E-05	<8.75E-05	<3.33E-05	<3.94E-05	<3.28E-05	<4.54E-05
T-212	<3.29E-05	<1.34E-05	<3.09E-05	<4.83E-05	<3.58E-05	<1.51E-05	<3.58E-05	<2.35E-05	<2.27E-05	<5.20E-05	<1.98E-05	<2.34E-05	<1.95E-05	<2.70E-05
T-213	<3.30E-05	<1.35E-05	<3.11E-05	<4.86E-05	<3.60E-05	<1.52E-05	<3.60E-05	<2.37E-05	<2.28E-05	<5.22E-05	<1.99E-05	<2.35E-05	<1.96E-05	<2.71E-05
T-214	<3.23E-05	<1.32E-05	<3.03E-05	<4.74E-05	<3.52E-05	<1.48E-05	<3.52E-05	<2.31E-05	<2.23E-05	<5.10E-05	<1.95E-05	<2.30E-05	<1.91E-05	<2.65E-05
T-301	<2.72E-05	<1.11E-05	<2.56E-05	<4.00E-05	<2.97E-05	<1.25E-05	<2.97E-05	<1.95E-05	<1.88E-05	<4.30E-05	<1.64E-05	<1.94E-05	<1.61E-05	<2.23E-05
T-302	<3.73E-05	<1.52E-05	<3.51E-05	<5.49E-05	<4.07E-05	<1.71E-05	<4.07E-05	<2.67E-05	<2.58E-05	<5.90E-05	<2.25E-05	<2.66E-05	<2.21E-05	<3.06E-05
T-303	<4.06E-05	<1.66E-05	<3.82E-05	<5.97E-05	<4.43E-05	<1.87E-05	<4.43E-05	<2.91E-05	<2.81E-05	<6.43E-05	<2.45E-05	<2.89E-05	<2.41E-05	<3.34E-05
T-304	<4.40E-05	<1.80E-05	<4.14E-05	<6.47E-05	<4.80E-05	<2.02E-05	<4.80E-05	<3.15E-05	<3.04E-05	<6.96E-05	<2.65E-05	<3.13E-05	<2.61E-05	<3.61E-05
T-305	<3.36E-05	<1.37E-05	<3.16E-05	<4.94E-05	<3.66E-05	<1.54E-05	<3.66E-05	<2.41E-05	<2.32E-05	<5.31E-05	<2.03E-05	<2.39E-05	<1.99E-05	<2.76E-05
T-306	<3.28E-05	<1.34E-05	<3.08E-05	<4.82E-05	<3.57E-05	<1.51E-05	<3.57E-05	<2.35E-05	<2.26E-05	<5.18E-05	<1.98E-05	<2.33E-05	<1.94E-05	<2.69E-05
T-307	<3.83E-05	<1.56E-05	<3.60E-05	<5.63E-05	<4.17E-05	<1.76E-05	<4.17E-05	<2.74E-05	<2.64E-05	<6.05E-05	<2.31E-05	<2.72E-05	<2.27E-05	<3.14E-05
T-308	<3.19E-05	<1.30E-05	<3.00E-05	<4.69E-05	<3.48E-05	<1.47E-05	<3.48E-05	<2.28E-05	<2.20E-05	<5.05E-05	<1.92E-05	<2.27E-05	<1.89E-05	<2.62E-05
T-309	<2.78E-05	<1.13E-05	<2.61E-05	<4.09E-05	<3.03E-05	<1.28E-05	<3.03E-05	<1.99E-05	<1.92E-05	<4.40E-05	<1.68E-05	<1.98E-05	<1.65E-05	<2.28E-05
T-310	<4.00E-05	<1.63E-05	<3.76E-05	<5.87E-05	<4.36E-05	<1.84E-05	<4.36E-05	<2.86E-05	<2.76E-05	<6.32E-05	<2.41E-05	<2.84E-05	<2.37E-05	<3.28E-05
T-311	<4.75E-05	<1.94E-05	<4.46E-05	<6.98E-05	<5.18E-05	<2.18E-05	<5.18E-05	<3.40E-05	<3.28E-05	<7.51E-05	<2.86E-05	<3.38E-05	<2.81E-05	<3.90E-05
T-312	<3.44E-05	<1.40E-05	<3.23E-05	<5.05E-05	<3.75E-05	<1.58E-05	<3.75E-05	<2.46E-05	<2.37E-05	<5.43E-05	<2.07E-05	<2.45E-05	<2.04E-05	<2.82E-05
T-313	<2.87E-05	<1.17E-05	<2.70E-05	<4.22E-05	<3.13E-05	<1.32E-05	<3.13E-05	<2.06E-05	<1.98E-05	<4.54E-05	<1.73E-05	<2.04E-05	<1.70E-05	<2.36E-05
T-314	<3.50E-05	<1.43E-05	<3.29E-05	<5.14E-05	<3.81E-05	<1.61E-05	<3.81E-05	<2.50E-05	<2.41E-05	<5.53E-05	<2.11E-05	<2.49E-05	<2.07E-05	<2.87E-05
T-401	<2.67E-05	<1.09E-05	<2.51E-05	<3.93E-05	<2.91E-05	<1.23E-05	<2.91E-05	<1.91E-05	<1.84E-05	<4.22E-05	<1.61E-05	<1.90E-05	<1.58E-05	<2.19E-05
T-402	<2.70E-05	<1.10E-05	<2.54E-05	<3.98E-05	<2.95E-05	<1.24E-05	<2.95E-05	<1.94E-05	<1.87E-05	<4.28E-05	<1.63E-05	<1.92E-05	<1.60E-05	<2.22E-05
T-403	<2.98E-05	<1.21E-05	<2.80E-05	<4.38E-05	<3.25E-05	<1.37E-05	<3.25E-05	<2.13E-05	<2.06E-05	<4.71E-05	<1.79E-05	<2.12E-05	<1.76E-05	<2.44E-05
T-404	<3.63E-05	<1.48E-05	<3.42E-05	<5.34E-05	<3.96E-05	<1.67E-05	<3.96E-05	<2.60E-05	<2.51E-05	<5.75E-05	<2.19E-05	<2.59E-05	<2.15E-05	<2.98E-05
T-405	<2.99E-05	<1.22E-05	<2.81E-05	<4.40E-05	<3.26E-05	<1.37E-05	<3.26E-05	<2.14E-05	<2.07E-05	<4.73E-05	<1.80E-05	<2.13E-05	<1.77E-05	<2.46E-05
T-406	<2.66E-05	<1.09E-05	<2.50E-05	<3.92E-05	<2.91E-05	<1.22E-05	<2.91E-05	<1.91E-05	<1.84E-05	<4.21E-05	<1.61E-05	<1.90E-05	<1.58E-05	<2.19E-05
T-407	<2.64E-05	<1.08E-05	<2.48E-05	<3.88E-05	<2.88E-05	<1.21E-05	<2.88E-05	<1.89E-05	<1.82E-05	<4.18E-05	<1.59E-05	<1.88E-05	<1.56E-05	<2.17E-05
T-408	<2.72E-05	<1.11E-05	<2.56E-05	<4.00E-05	<2.97E-05	<1.25E-05	<2.97E-05	<1.95E-05	<1.88E-05	<4.31E-05	<1.64E-05	<1.94E-05	<1.61E-05	<2.23E-05
T-409	<3.38E-05	<1.38E-05	<3.18E-05	<4.97E-05	<3.68E-05	<1.55E-05	<3.68E-05	<2.42E-05	<2.33E-05	<5.34E-05	<2.04E-05	<2.40E-05	<2.00E-05	<2.77E-05
T-410	<3.21E-05	<1.31E-05	<3.02E-05	<4.72E-05	<3.50E-05	<1.47E-05	<3.50E-05	<2.30E-05	<2.22E-05	<5.08E-05	<1.94E-05	<2.28E-05	<1.90E-05	<2.63E-05
T-411	<3.82E-05	<1.56E-05	<3.59E-05	<5.61E-05	<4.16E-05	<1.75E-05	<4.16E-05	<2.73E-05	<2.64E-05	<6.04E-05	<2.30E-05	<2.72E-05	<2.26E-05	<3.13E-05
T-412	<2.64E-05	<1.08E-05	<2.48E-05	<3.88E-05	<2.88E-05	<1.21E-05	<2.88E-05	<1.89E-05	<1.82E-05	<4.17E-05	<1.59E-05	<1.88E-05	<1.56E-05	<2.16E-05
T-413	<2.61E-05	<1.07E-05	<2.46E-05	<3.84E-05	<2.85E-05	<1.20E-05	<2.85E-05	<1.87E-05	<1.81E-05	<4.13E-05	<1.58E-05	<1.86E-05	<1.55E-05	<2.15E-05
T-414	<2.50E-05	<1.02E-05	<2.36E-05	<3.68E-05	<2.73E-05	<1.15E-05	<2.73E-05	<1.79E-05	<1.73E-05	<3.96E-05	<1.51E-05	<1.78E-05	<1.48E-05	<2.06E-05
T-501	<4.26E-05	<1.74E-05	<4.00E-05	<6.26E-05	<4.64E-05	<1.96E-05	<4.64E-05	<3.05E-05	<2.94E-05	<6.73E-05	<2.57E-05	<3.03E-05	<2.52E-05	<3.49E-05
T-502	<4.10E-05	<1.67E-05	<3.85E-05	<6.02E-05	<4.47E-05	<1.88E-05	<4.47E-05	<2.93E-05	<2.83E-05	<6.48E-05	<2.47E-05	<2.92E-05	<2.43E-05	<3.36E-05
T-503	<3.09E-05	<1.26E-05	<2.90E-05	<4.54E-05	<3.37E-05	<1.42E-05	<3.37E-05	<2.21E-05	<2.13E-05	<4.88E-05	<1.86E-05	<2.20E-05	<1.83E-05	<2.53E-05
T-504	<3.49E-05	<1.43E-05	<3.28E-05	<5.14E-05	<3.81E-05	<1.60E-05	<3.81E-05	<2.50E-05	<2.41E-05	<5.53E-05	<2.11E-05	<2.49E-05	<2.07E-05	<2.87E-05
T-505	<3.92E-05	<1.60E-05	<3.69E-05	<5.77E-05	<4.28E-05	<1.80E-05	<4.28E-05	<2.81E-05	<2.71E-05	<6.20E-05	<2.36E-05	<2.79E-05	<2.32E-05	<3.22E-05
T-506	<4.07E-05	<1.66E-05	<3.83E-05	<5.98E-05	<4.44E-05	<1.87E-05	<4.44E-05	<2.92E-05	<2.81E-05	<6.44E-05	<2.45E-05	<2.90E-05	<2.41E-05	<3.34E-05
T-507	<3.63E-05	<1.48E-05	<3.42E-05	<5.34E-05	<3.96E-05	<1.67E-05	<3.96E-05	<2.60E-05	<2.51E-05	<5.75E-05	<2.19E-05	<2.59E-05	<2.15E-05	<2.98E-05
T-508	<3.28E-05	<1.34E-05	<3.08E-05	<4.82E-05	<3.58E-05	<1.51E-05	<3.58E-05	<2.35E-05	<2.26E-05	<5.19E-05	<1.98E-05	<2.33E-05	<1.94E-05	<2.69E-05
T-509	<2.75E-05	<1.12E-05	<2.59E-05	<4.05E-05	<3.00E-05	<1.27E-05	<3.00E-05	<1.97E-05	<1.90E-05	<4.36E-05	<1.66E-05	<1.96E-05	<1.63E-05	<2.26E-05
T-510	<3.22E-05	<1.31E-05	<3.02E-05	<4.73E-05	<3.51E-05	<1.48E-05	<3.51E-05	<2.30E-05	<2.22E-05	<5.09E-05	<1.94E-05	<2.29E-05	<1.91E-05	<2.64E-05
T-511	<2.63E-05	<1.07E-05	<2.48E-05	<3.87E-05	<2.87E-05	<1.21E-05	<2.87E-05	<1.89E-05	<1.82E-05	<4.17E-05	<1.59E-05	<1.87E-05	<1.56E-05	<2.16E-05
T-512	<4.28E-05	<1.75E-05	<4.02E-05	<6.29E-05	<4.66E-05	<1.96E-05	<4.66E-05	<3.06E-05	<2.95E-05	<6.76E-05	<2.58E-05	<3.04E-05	<2.53E-05	<3.51E-05
T-513	<3.65E-05	<1.49E-05	<3.43E-05	<5.36E-05	<3.98E-05	<1.68E-05	<3.98E-05	<2.61E-05	<2.52E-05	<5.77E-05	<2.20E-05	<2.60E-05	<2.16E-05	<2.99E-05
T-514	<3.39E-05	<1.39E-05	<3.19E-05	<4.99E-05	<3.70E-05	<1.56E-05	<3.70E-05	<2.43E-05	<2.34E-05	<5.37E-05	<2.05E-05	<2.42E-05	<2.01E-05	<2.79E-05

Compound	t-Amyl methyl ether	1,2-Dichloropropane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform
CAS	994-05-8	78-87-5	74-95-3	75-27-4	80-62-6	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2
Sample ID MW	102.2	113	173.83	163.8	100.1	111	133.4	114.2	113	208.3	187.9	112.6	167.8	252.7
Lab Data (ppbv)														
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-413	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound	t-Amyl methyl ether	1,2-Dichloropropane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform
CAS	994-05-8	78-87-5	74-95-3	75-27-4	80-62-6	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2
Sample ID MW	102.2	113	173.83	163.8	100.1	111	133.4	114.2	113	208.3	187.9	112.6	167.8	252.7
MDL (ppbv)														
T-101	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-102	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-103	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-104	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-105	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-106	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-107	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-108	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-109	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-110	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-111	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-112	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-113	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-114	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-201	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-202	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-203	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-204	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-205	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-206	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-207	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-208	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-209	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-210	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-211	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-212	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-213	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-214	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-301	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-302	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-303	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-304	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-305	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-306	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-307	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-308	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-309	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-310	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-311	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-312	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-313	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-314	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-401	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-402	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-403	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-404	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-405	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-406	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-407	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-408	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-409	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-410	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-411	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-412	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-413	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-414	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-501	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-502	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-503	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-504	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-505	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-506	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-507	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-508	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-509	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-510	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-511	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-512	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-513	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4
T-514	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.4	0.2	0.4	0.4	0.4	0.4	0.4

Compound	t-Amyl methyl ether	1,2-Dichloropropane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform
CAS	994-05-8	78-87-5	74-95-3	75-27-4	80-62-6	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2
Sample ID MW	102.2	113	173.83	163.8	100.1	111	133.4	114.2	113	208.3	187.9	112.6	167.8	252.7
Data Used (ug/m3)														
T-101	<8.11E-01	<4.49E-01	<6.90E-01	<6.50E-01	<7.95E-01	<4.41E-01	<5.29E-01	<9.07E-01	<4.49E-01	<1.65E+00	<1.49E+00	<8.94E-01	<1.33E+00	<2.01E+00
T-102	<8.07E-01	<4.46E-01	<6.86E-01	<6.47E-01	<7.90E-01	<4.38E-01	<5.27E-01	<9.02E-01	<4.46E-01	<1.64E+00	<1.48E+00	<8.89E-01	<1.32E+00	<2.00E+00
T-103	<8.07E-01	<4.46E-01	<6.86E-01	<6.47E-01	<7.90E-01	<4.38E-01	<5.27E-01	<9.02E-01	<4.46E-01	<1.64E+00	<1.48E+00	<8.89E-01	<1.32E+00	<2.00E+00
T-104	<8.14E-01	<4.50E-01	<6.92E-01	<6.52E-01	<7.97E-01	<4.42E-01	<5.31E-01	<9.10E-01	<4.50E-01	<1.66E+00	<1.50E+00	<8.97E-01	<1.34E+00	<2.01E+00
T-105	<8.01E-01	<4.43E-01	<6.81E-01	<6.42E-01	<7.85E-01	<4.35E-01	<5.23E-01	<8.95E-01	<4.43E-01	<1.63E+00	<1.47E+00	<8.83E-01	<1.32E+00	<1.98E+00
T-106	<8.00E-01	<4.42E-01	<6.80E-01	<6.41E-01	<7.83E-01	<4.34E-01	<5.22E-01	<8.94E-01	<4.42E-01	<1.63E+00	<1.47E+00	<8.81E-01	<1.31E+00	<1.98E+00
T-107	<8.01E-01	<4.43E-01	<6.81E-01	<6.42E-01	<7.85E-01	<4.35E-01	<5.23E-01	<8.95E-01	<4.43E-01	<1.63E+00	<1.47E+00	<8.83E-01	<1.32E+00	<1.98E+00
T-108	<7.97E-01	<4.41E-01	<6.78E-01	<6.39E-01	<7.80E-01	<4.33E-01	<5.20E-01	<8.90E-01	<4.41E-01	<1.62E+00	<1.47E+00	<8.78E-01	<1.31E+00	<1.97E+00
T-109	<7.76E-01	<4.29E-01	<6.60E-01	<6.22E-01	<7.60E-01	<4.22E-01	<5.07E-01	<8.67E-01	<4.29E-01	<1.58E+00	<1.43E+00	<8.55E-01	<1.27E+00	<1.92E+00
T-110	<7.80E-01	<4.31E-01	<6.64E-01	<6.25E-01	<7.64E-01	<4.24E-01	<5.09E-01	<8.72E-01	<4.31E-01	<1.59E+00	<1.43E+00	<8.60E-01	<1.28E+00	<1.93E+00
T-111	<7.80E-01	<4.31E-01	<6.64E-01	<6.25E-01	<7.64E-01	<4.24E-01	<5.09E-01	<8.72E-01	<4.31E-01	<1.59E+00	<1.43E+00	<8.60E-01	<1.28E+00	<1.93E+00
T-112	<7.63E-01	<4.22E-01	<6.49E-01	<6.11E-01	<7.47E-01	<4.14E-01	<4.98E-01	<8.53E-01	<4.22E-01	<1.56E+00	<1.40E+00	<8.41E-01	<1.25E+00	<1.89E+00
T-113	<7.63E-01	<4.22E-01	<6.49E-01	<6.11E-01	<7.47E-01	<4.14E-01	<4.98E-01	<8.53E-01	<4.22E-01	<1.56E+00	<1.40E+00	<8.41E-01	<1.25E+00	<1.89E+00
T-114	<8.39E-01	<4.64E-01	<7.13E-01	<6.72E-01	<8.21E-01	<4.55E-01	<5.47E-01	<9.37E-01	<4.64E-01	<1.71E+00	<1.54E+00	<9.24E-01	<1.38E+00	<2.07E+00
T-201	<8.14E-01	<4.50E-01	<6.92E-01	<6.52E-01	<7.97E-01	<4.42E-01	<5.31E-01	<9.10E-01	<4.50E-01	<1.66E+00	<1.50E+00	<8.97E-01	<1.34E+00	<2.01E+00
T-202	<8.17E-01	<4.52E-01	<6.95E-01	<6.55E-01	<8.00E-01	<4.44E-01	<5.33E-01	<9.13E-01	<4.52E-01	<1.67E+00	<1.50E+00	<9.00E-01	<1.34E+00	<2.02E+00
T-203	<8.14E-01	<4.50E-01	<6.92E-01	<6.52E-01	<7.97E-01	<4.42E-01	<5.31E-01	<9.10E-01	<4.50E-01	<1.66E+00	<1.50E+00	<8.97E-01	<1.34E+00	<2.01E+00
T-204	<8.04E-01	<4.44E-01	<6.84E-01	<6.44E-01	<7.87E-01	<4.37E-01	<5.25E-01	<8.98E-01	<4.44E-01	<1.64E+00	<1.48E+00	<8.86E-01	<1.32E+00	<1.99E+00
T-205	<7.79E-01	<4.31E-01	<6.62E-01	<6.24E-01	<7.63E-01	<4.23E-01	<5.08E-01	<8.70E-01	<4.31E-01	<1.59E+00	<1.43E+00	<8.58E-01	<1.28E+00	<1.93E+00
T-206	<7.68E-01	<4.25E-01	<6.53E-01	<6.16E-01	<7.52E-01	<4.17E-01	<5.01E-01	<8.58E-01	<4.25E-01	<1.57E+00	<1.41E+00	<8.46E-01	<1.26E+00	<1.90E+00
T-207	<7.62E-01	<4.21E-01	<6.48E-01	<6.10E-01	<7.46E-01	<4.14E-01	<4.97E-01	<8.51E-01	<4.21E-01	<1.55E+00	<1.40E+00	<8.39E-01	<1.25E+00	<1.88E+00
T-208	<7.72E-01	<4.27E-01	<6.57E-01	<6.19E-01	<7.56E-01	<4.19E-01	<5.04E-01	<8.63E-01	<4.27E-01	<1.57E+00	<1.42E+00	<8.51E-01	<1.27E+00	<1.91E+00
T-209	<7.72E-01	<4.27E-01	<6.57E-01	<6.19E-01	<7.56E-01	<4.19E-01	<5.04E-01	<8.63E-01	<4.27E-01	<1.57E+00	<1.42E+00	<8.51E-01	<1.27E+00	<1.91E+00
T-210	<7.49E-01	<4.14E-01	<6.37E-01	<6.00E-01	<7.34E-01	<4.07E-01	<4.89E-01	<8.37E-01	<4.14E-01	<1.53E+00	<1.38E+00	<8.25E-01	<1.23E+00	<1.85E+00
T-211	<7.64E-01	<4.23E-01	<6.50E-01	<6.12E-01	<7.49E-01	<4.15E-01	<4.99E-01	<8.54E-01	<4.23E-01	<1.56E+00	<1.41E+00	<8.42E-01	<1.25E+00	<1.89E+00
T-212	<7.48E-01	<4.13E-01	<6.36E-01	<5.99E-01	<7.32E-01	<4.06E-01	<4.88E-01	<8.35E-01	<4.13E-01	<1.52E+00	<1.37E+00	<8.24E-01	<1.23E+00	<1.85E+00
T-213	<7.48E-01	<4.13E-01	<6.36E-01	<5.99E-01	<7.32E-01	<4.06E-01	<4.88E-01	<8.35E-01	<4.13E-01	<1.52E+00	<1.37E+00	<8.24E-01	<1.23E+00	<1.85E+00
T-214	<8.39E-01	<4.64E-01	<7.13E-01	<6.72E-01	<8.21E-01	<4.55E-01	<5.47E-01	<9.37E-01	<4.64E-01	<1.71E+00	<1.54E+00	<9.24E-01	<1.38E+00	<2.07E+00
T-301	<8.17E-01	<4.52E-01	<6.95E-01	<6.55E-01	<8.00E-01	<4.44E-01	<5.33E-01	<9.13E-01	<4.52E-01	<1.67E+00	<1.50E+00	<9.00E-01	<1.34E+00	<2.02E+00
T-302	<8.17E-01	<4.52E-01	<6.95E-01	<6.55E-01	<8.00E-01	<4.44E-01	<5.33E-01	<9.13E-01	<4.52E-01	<1.67E+00	<1.50E+00	<9.00E-01	<1.34E+00	<2.02E+00
T-303	<8.28E-01	<4.58E-01	<7.04E-01	<6.63E-01	<8.11E-01	<4.50E-01	<5.40E-01	<9.25E-01	<4.58E-01	<1.69E+00	<1.52E+00	<9.12E-01	<1.36E+00	<2.05E+00
T-304	<8.20E-01	<4.53E-01	<6.98E-01	<6.57E-01	<8.03E-01	<4.45E-01	<5.35E-01	<9.16E-01	<4.53E-01	<1.67E+00	<1.51E+00	<9.04E-01	<1.35E+00	<2.03E+00
T-305	<7.87E-01	<4.35E-01	<6.69E-01	<6.31E-01	<7.71E-01	<4.27E-01	<5.14E-01	<8.79E-01	<4.35E-01	<1.60E+00	<1.45E+00	<8.67E-01	<1.29E+00	<1.95E+00
T-306	<7.88E-01	<4.36E-01	<6.71E-01	<6.32E-01	<7.72E-01	<4.28E-01	<5.15E-01	<8.81E-01	<4.36E-01	<1.61E+00	<1.45E+00	<8.69E-01	<1.29E+00	<1.95E+00
T-307	<7.90E-01	<4.37E-01	<6.72E-01	<6.33E-01	<7.74E-01	<4.29E-01	<5.15E-01	<8.83E-01	<4.37E-01	<1.61E+00	<1.45E+00	<8.70E-01	<1.30E+00	<1.95E+00
T-308	<8.03E-01	<4.44E-01	<6.83E-01	<6.43E-01	<7.86E-01	<4.36E-01	<5.24E-01	<8.97E-01	<4.44E-01	<1.64E+00	<1.48E+00	<8.84E-01	<1.32E+00	<1.98E+00
T-309	<7.88E-01	<4.36E-01	<6.71E-01	<6.32E-01	<7.72E-01	<4.28E-01	<5.15E-01	<8.81E-01	<4.36E-01	<1.61E+00	<1.45E+00	<8.69E-01	<1.29E+00	<1.95E+00
T-310	<7.79E-01	<4.31E-01	<6.62E-01	<6.24E-01	<7.63E-01	<4.23E-01	<5.08E-01	<8.70E-01	<4.31E-01	<1.59E+00	<1.43E+00	<8.58E-01	<1.28E+00	<1.93E+00
T-311	<7.90E-01	<4.37E-01	<6.72E-01	<6.33E-01	<7.74E-01	<4.29E-01	<5.15E-01	<8.83E-01	<4.37E-01	<1.61E+00	<1.45E+00	<8.70E-01	<1.30E+00	<1.95E+00
T-312	<7.82E-01	<4.32E-01	<6.65E-01	<6.26E-01	<7.66E-01	<4.24E-01	<5.10E-01	<8.73E-01	<4.32E-01	<1.59E+00	<1.44E+00	<8.61E-01	<1.28E+00	<1.93E+00
T-313	<7.82E-01	<4.32E-01	<6.65E-01	<6.26E-01	<7.66E-01	<4.24E-01	<5.10E-01	<8.73E-01	<4.32E-01	<1.59E+00	<1.44E+00	<8.61E-01	<1.28E+00	<1.93E+00
T-314	<8.39E-01	<4.64E-01	<7.13E-01	<6.72E-01	<8.21E-01	<4.55E-01	<5.47E-01	<9.37E-01	<4.64E-01	<1.71E+00	<1.54E+00	<9.24E-01	<1.38E+00	<2.07E+00
T-401	<8.10E-01	<4.48E-01	<6.89E-01	<6.49E-01	<7.93E-01	<4.40E-01	<5.29E-01	<9.05E-01	<4.48E-01	<1.65E+00	<1.49E+00	<8.92E-01	<1.33E+00	<2.00E+00
T-402	<7.98E-01	<4.41E-01	<6.79E-01	<6.40E-01	<7.82E-01	<4.34E-01	<5.21E-01	<8.92E-01	<4.41E-01	<1.63E+00	<1.47E+00	<8.80E-01	<1.31E+00	<1.97E+00
T-403	<7.91E-01	<4.37E-01	<6.73E-01	<6.34E-01	<7.75E-01	<4.30E-01	<5.16E-01	<8.84E-01	<4.37E-01	<1.61E+00	<1.45E+00	<8.72E-01	<1.30E+00	<1.96E+00
T-404	<8.00E-01	<4.42E-01	<6.80E-01	<6.41E-01	<7.83E-01	<4.34E-01	<5.22E-01	<8.94E-01	<4.42E-01	<1.63E+00	<1.47E+00	<8.81E-01	<1.31E+00	<1.98E+00
T-405	<7.82E-01	<4.32E-01	<6.65E-01	<6.26E-01	<7.66E-01	<4.24E-01	<5.10E-01	<8.73E-01	<4.32E-01	<1.59E+00	<1.44E+00	<8.61E-01	<1.28E+00	<1.93E+00
T-406	<7.73E-01	<4.28E-01	<6.58E-01	<6.20E-01	<7.58E-01	<4.20E-01	<5.05E-01	<8.64E-01	<4.28E-01	<1.58E+00	<1.42E+00	<8.52E-01	<1.27E+00	<1.91E+00
T-407	<7.79E-01	<4.31E-01	<6.62E-01	<6.24E-01	<7.63E-01	<4.23E-01	<5.08E-01	<8.70E-01	<4.31E-01	<1.59E+00	<1.43E+00	<8.58E-01	<1.28E+00	<1.93E+00
T-408	<7.95E-01	<4.40E-01	<6.76E-01	<6.37E-01	<7.79E-01	<4.32E-01	<5.19E-01	<8.89E-01	<4.40E-01	<1.62E+00	<1.46E+00	<8.76E-01	<1.31E+00	<1.97E+00
T-409	<7.78E-01	<4.30E-01	<6.61E-01	<6.23E-01	<7.62E-01	<4.22E-01	<5.07E-01	<8.69E-01	<4.30E-01	<1.58E+00	<1.43E+00	<8.57E-01	<1.28E+00	<1.92E+00
T-410	<7.80E-01	<4.31E-01	<6.64E-01	<6.25E-01	<7.64E-01	<4.24E-01	<5.09E-01	<8.72E-01	<4.31E-01	<1.59E+00	<1.43E+00	<8.60E-01	<1.28E+00	<1.93E+00
T-411	<7.70E-01	<4.25E-01	<6.54E-01	<6.17E-01	<7.54E-01	<4.18E-01	<5.02E-01	<8.60E-01	<4.25E-01	<1.57E+00	<1.41E+00	<8.48E-01	<1.26E+00	<1.90E+00
T-412	<7.88E-01	<4.36E-01	<6.71E-01	<6.32E-01	<7.72E-01	<4.28E-01	<5.15E-01	<8.81E-01	<4.36E-01	<1.61E+00	<1.45E+00	<8.69E-01	<1.29E+00	<1.95E+00
T-413	<7.88E-01	<4.36E-01	<6.71E-01	<6.32E-01	<7.72E-01	<4.28E-01	<5.15E-01	<8.81E-01	<4.36E-01	<1.61E+00	<1.45E+00	<8.69E-01	<1.29E+00	<1.95E+00
T-414	<8.39E-01	<4.64E-01	<7.13E-01	<6.72E-01	<8.21E-01	<4.55E-01	<5.47E-01	<9.37E-01	<4.64E-01	<1.71E+00	<1.54E+00	<9.24E-01	<1.38E+00	<2.07E+00
T-501	<8.11E-01	<4.49E-01	<6.90E-01	<6.50E-01	<7.95E-01	<4.41E-01	<5.29E-01	<9.07E-01	<4.49E-01	<1.65E+00	<1.49E+00	<8.94E-01	<1.33E+00	<2.01E+00
T-502	<8.05E-01	<4.45E-01	<6.85E-01	<6.45E-01	<7.89E-01	<4.37E-01	<5.26E-01	<9.00E-01	<4.45E-01	<1.64E+00	<1.48E+00	<8.87E-01	<1.32E+00	<1.99E+00
T-503	<8.04E-01	<4.44E-01	<6.84E-01	<6.44E-01	<7.87E-01	<4.37E-01	<5.25E-01	<8.98E-01	<4.44E-01	<1.64E+00	<1.48E+00	<8.86E-01	<1.32E+00	<1.99E+00
T-504	<7.97E-01	<4.41E-01	<6.78E-01	<6.39E-01	<7.80E-01	<4.33E-01	<5.20E-01	<8.90E-01	<4.41E-01	<1.62E+00	<1.47E+00	<8.78E-01	<1.31E+00	<1.97E+00
T-505	<7.59E-01	<4.20E-01	<6.46E-01	<6.08E-01	<7.43E-01	<4.12E-01	<4.95E-01	<8.48E-01	<4.20E-01	<1.55E+00	<1.40E+00	<8.36E-01	<1.25E+00	<1.88E+00
T-506	<7.63E-01	<4.22E-01	<6.49E-01	<6.11E-01	<7.47E-01	<4.14E-01	<4.98E-01	<8.53E-01	<4.22E-01	<1.56E+00	<1.40E+00	<8.41E-01	<1.25E+00	<1.89E+00
T-507	<7.63E-01	<4.22E-01	<6.49E-01	<6.11E-01	<7.47E-01	<4.14E-01	<4.98E-01	<8.53E-01	<4.22E-01	<1.56E+00	<1.40E+00	<8.41E-01	<1.25E+00	<1.89E+00
T-508	<7.67E-01	<4.24E-01	<6.52E-01	<6.15E-01	<7.51E-01	<4.16E-01	<5.00E-01	<8.57E-01	<4.24E-01	<1.56E+00	<1.41E+00	<8.45E-01	<1.26E+00	<1.90E+00
T-509	<7.83E-01	<4.33E-01	<6.66E-01	<6.27E-01	<7.67E-01	<4.25E-01	<5.11E-01	<8.75E-01	<4.33E-01	<1.60E+00	<1.44E+00	<8.63E-01	<1.29E+00	<1.94E+00
T-510	<7.78E-01	<4.30E-01	<6.61E-01	<6.23E-01	<7.62E-01	<4.22E-01	<5.07E-01	<8.69E-01	<4.30E-01	<1.58E+00	<1.43E+00	<8.57E-01	<1.28E+00	<1.92E+00
T-511	<7.83E-01	<4.33E-01	<6.66E-01	<6.27E-01	<7.67E-01	<4.25E-01	<5.11E-01	<8.75E-01	<4.33E-01	<1.60E+00	<1.44E+00	<8.63E-01	<1.29E+00	<1.94E+00
T-512	<7.72E-01	<4.27E-01	<6.57E-01	<6.19E-01	<7.56E-01	<4.19E-01	<5.04E-01	<8.63E-01	<4.27E-01	<1.57E+00	<1.42E+00	<8.51E-01	<1.27E+00	<1.91E+00
T-513	<7.72E-01	<4.27E-01	<6.57E-01	<6.19E-01	<7.56E-01	<4.19E-01	<5.04E-01	<8.63E-01	<4.27E-01	<1.57E+00	<1.42E+00	<8.51E-01	<1.27E+00	<1.91E+00
T-514	<8.39E-01	<4.64E-01	<7.13E-01	<6.72E-01	<8.21E-01	<4.55E-01	<5.47E-01	<9.37E-01	<4.64E-01	<1.71E+00	<1.54E+00	<9.24E-01	<1.38E+00	<2.07E+00

Compound	t-Amyl methyl ether	1,2-Dichloropropane	Dibromomethane	Bromodichloromethane	Methyl methacrylate	trans-1,3-Dichloropropene	1,1,2-Trichloroethane	Ethyl methacrylate	1,3-Dichloropropane	Dibromochloromethane	1,2-Dibromoethane (EDB)	Chlorobenzene	1,1,1,2-Tetrachloroethane	Bromoform
CAS	994-05-8	78-87-5	74-95-3	75-27-4	80-62-6	10061-02-6	79-00-5	97-63-2	142-28-9	124-48-1	106-93-4	108-90-7	630-20-6	75-25-2
Sample ID MW	102.2	113	173.83	163.8	100.1	111	133.4	114.2	113	208.3	187.9	112.6	167.8	252.7
Flux (mg/m2-min)														
T-101	<3.34E-05	<1.85E-05	<2.84E-05	<2.68E-05	<3.27E-05	<1.81E-05	<2.18E-05	<3.73E-05	<1.85E-05	<6.81E-05	<6.14E-05	<3.68E-05	<5.48E-05	<8.26E-05
T-102	<2.83E-05	<1.56E-05	<2.40E-05	<2.26E-05	<2.77E-05	<1.53E-05	<1.84E-05	<3.16E-05	<1.56E-05	<5.76E-05	<5.20E-05	<3.11E-05	<4.64E-05	<6.99E-05
T-103	<3.04E-05	<1.68E-05	<2.58E-05	<2.44E-05	<2.98E-05	<1.65E-05	<1.98E-05	<3.40E-05	<1.68E-05	<6.19E-05	<5.59E-05	<3.35E-05	<4.99E-05	<7.52E-05
T-104	<3.01E-05	<1.66E-05	<2.56E-05	<2.41E-05	<2.95E-05	<1.63E-05	<1.96E-05	<3.36E-05	<1.66E-05	<6.13E-05	<5.53E-05	<3.31E-05	<4.94E-05	<7.44E-05
T-105	<2.91E-05	<1.61E-05	<2.48E-05	<2.33E-05	<2.85E-05	<1.58E-05	<1.90E-05	<3.25E-05	<1.61E-05	<5.93E-05	<5.35E-05	<3.21E-05	<4.78E-05	<7.20E-05
T-106	<2.83E-05	<1.57E-05	<2.41E-05	<2.27E-05	<2.78E-05	<1.54E-05	<1.85E-05	<3.17E-05	<1.57E-05	<5.78E-05	<5.21E-05	<3.12E-05	<4.65E-05	<7.01E-05
T-107	<2.97E-05	<1.64E-05	<2.52E-05	<2.38E-05	<2.91E-05	<1.61E-05	<1.94E-05	<3.32E-05	<1.64E-05	<6.05E-05	<5.46E-05	<3.27E-05	<4.87E-05	<7.34E-05
T-108	<3.94E-05	<2.18E-05	<3.35E-05	<3.16E-05	<3.86E-05	<2.14E-05	<2.57E-05	<4.40E-05	<2.18E-05	<8.03E-05	<7.25E-05	<4.34E-05	<6.47E-05	<9.75E-05
T-109	<3.65E-05	<2.02E-05	<3.10E-05	<2.92E-05	<3.57E-05	<1.98E-05	<2.38E-05	<4.08E-05	<2.02E-05	<7.44E-05	<6.71E-05	<4.02E-05	<5.99E-05	<9.02E-05
T-110	<2.92E-05	<1.61E-05	<2.48E-05	<2.34E-05	<2.86E-05	<1.58E-05	<1.90E-05	<3.26E-05	<1.61E-05	<5.94E-05	<5.36E-05	<3.21E-05	<4.79E-05	<7.21E-05
T-111	<4.23E-05	<2.34E-05	<3.60E-05	<3.39E-05	<4.14E-05	<2.30E-05	<2.76E-05	<4.72E-05	<2.34E-05	<8.62E-05	<7.77E-05	<4.66E-05	<6.94E-05	<1.05E-04
T-112	<2.90E-05	<1.60E-05	<2.46E-05	<2.32E-05	<2.84E-05	<1.57E-05	<1.89E-05	<3.24E-05	<1.60E-05	<5.91E-05	<5.33E-05	<3.19E-05	<4.76E-05	<7.16E-05
T-113	<3.16E-05	<1.75E-05	<2.69E-05	<2.53E-05	<3.10E-05	<1.72E-05	<2.06E-05	<3.53E-05	<1.75E-05	<6.44E-05	<5.81E-05	<3.48E-05	<5.19E-05	<7.82E-05
T-114	<3.19E-05	<1.76E-05	<2.71E-05	<2.56E-05	<3.12E-05	<1.73E-05	<2.08E-05	<3.56E-05	<1.76E-05	<6.50E-05	<5.87E-05	<3.51E-05	<5.24E-05	<7.89E-05
T-201	<3.02E-05	<1.67E-05	<2.56E-05	<2.42E-05	<2.95E-05	<1.64E-05	<1.97E-05	<3.37E-05	<1.67E-05	<6.15E-05	<5.55E-05	<3.32E-05	<4.95E-05	<7.46E-05
T-202	<3.25E-05	<1.80E-05	<2.77E-05	<2.61E-05	<3.19E-05	<1.77E-05	<2.12E-05	<3.64E-05	<1.80E-05	<6.63E-05	<5.98E-05	<3.58E-05	<5.34E-05	<8.05E-05
T-203	<3.50E-05	<1.94E-05	<2.98E-05	<2.81E-05	<3.43E-05	<1.90E-05	<2.29E-05	<3.91E-05	<1.94E-05	<7.14E-05	<6.44E-05	<3.86E-05	<5.75E-05	<8.66E-05
T-204	<3.11E-05	<1.72E-05	<2.65E-05	<2.49E-05	<3.05E-05	<1.69E-05	<2.03E-05	<3.48E-05	<1.72E-05	<6.34E-05	<5.72E-05	<3.43E-05	<5.11E-05	<7.70E-05
T-205	<4.24E-05	<2.35E-05	<3.61E-05	<3.40E-05	<4.16E-05	<2.30E-05	<2.77E-05	<4.74E-05	<2.35E-05	<8.65E-05	<7.80E-05	<4.67E-05	<6.97E-05	<1.05E-04
T-206	<4.51E-05	<2.49E-05	<3.83E-05	<3.61E-05	<4.41E-05	<2.45E-05	<2.94E-05	<5.04E-05	<2.49E-05	<9.18E-05	<8.28E-05	<4.96E-05	<7.40E-05	<1.11E-04
T-207	<5.41E-05	<2.99E-05	<4.60E-05	<4.33E-05	<5.29E-05	<2.94E-05	<3.53E-05	<6.04E-05	<2.99E-05	<1.10E-04	<9.94E-05	<5.96E-05	<8.87E-05	<1.34E-04
T-208	<6.28E-05	<3.47E-05	<5.34E-05	<5.03E-05	<6.15E-05	<3.41E-05	<4.10E-05	<7.02E-05	<3.47E-05	<1.28E-04	<1.15E-04	<6.92E-05	<1.03E-04	<1.55E-04
T-209	<5.11E-05	<2.82E-05	<4.34E-05	<4.09E-05	<5.00E-05	<2.77E-05	<3.33E-05	<5.70E-05	<2.82E-05	<1.04E-04	<9.39E-05	<5.62E-05	<8.38E-05	<1.26E-04
T-210	<5.71E-05	<3.16E-05	<4.86E-05	<4.57E-05	<5.59E-05	<3.10E-05	<3.73E-05	<6.38E-05	<3.16E-05	<1.16E-04	<1.05E-04	<6.29E-05	<9.37E-05	<1.41E-04
T-211	<6.03E-05	<3.33E-05	<5.13E-05	<4.83E-05	<5.91E-05	<3.28E-05	<3.94E-05	<6.74E-05	<3.33E-05	<1.23E-04	<1.11E-04	<6.64E-05	<9.90E-05	<1.49E-04
T-212	<3.58E-05	<1.98E-05	<3.05E-05	<2.87E-05	<3.51E-05	<1.95E-05	<2.34E-05	<4.01E-05	<1.98E-05	<7.31E-05	<6.59E-05	<3.95E-05	<5.89E-05	<8.86E-05
T-213	<3.60E-05	<1.99E-05	<3.06E-05	<2.89E-05	<3.53E-05	<1.96E-05	<2.35E-05	<4.03E-05	<1.99E-05	<7.34E-05	<6.62E-05	<3.97E-05	<5.91E-05	<8.91E-05
T-214	<3.52E-05	<1.95E-05	<2.99E-05	<2.82E-05	<3.45E-05	<1.91E-05	<2.30E-05	<3.93E-05	<1.95E-05	<7.17E-05	<6.47E-05	<3.88E-05	<5.78E-05	<8.70E-05
T-301	<2.97E-05	<1.64E-05	<2.52E-05	<2.38E-05	<2.91E-05	<1.61E-05	<1.94E-05	<3.31E-05	<1.64E-05	<6.05E-05	<5.45E-05	<3.27E-05	<4.87E-05	<7.33E-05
T-302	<4.07E-05	<2.25E-05	<3.46E-05	<3.26E-05	<3.99E-05	<2.21E-05	<2.66E-05	<4.55E-05	<2.25E-05	<8.30E-05	<7.48E-05	<4.48E-05	<6.68E-05	<1.01E-04
T-303	<4.43E-05	<2.45E-05	<3.77E-05	<3.55E-05	<4.34E-05	<2.41E-05	<2.89E-05	<4.95E-05	<2.45E-05	<9.03E-05	<8.15E-05	<4.88E-05	<7.28E-05	<1.10E-04
T-304	<4.80E-05	<2.65E-05	<4.08E-05	<3.85E-05	<4.70E-05	<2.61E-05	<3.13E-05	<5.36E-05	<2.65E-05	<9.78E-05	<8.82E-05	<5.29E-05	<7.88E-05	<1.19E-04
T-305	<3.66E-05	<2.03E-05	<3.12E-05	<2.94E-05	<3.59E-05	<1.99E-05	<2.39E-05	<4.09E-05	<2.03E-05	<7.47E-05	<6.74E-05	<4.04E-05	<6.02E-05	<9.06E-05
T-306	<3.57E-05	<1.98E-05	<3.04E-05	<2.86E-05	<3.50E-05	<1.94E-05	<2.33E-05	<3.99E-05	<1.98E-05	<7.29E-05	<6.57E-05	<3.94E-05	<5.87E-05	<8.84E-05
T-307	<4.17E-05	<2.31E-05	<3.55E-05	<3.34E-05	<4.09E-05	<2.27E-05	<2.72E-05	<4.66E-05	<2.31E-05	<8.51E-05	<7.67E-05	<4.60E-05	<6.85E-05	<1.03E-04
T-308	<3.48E-05	<1.92E-05	<2.96E-05	<2.79E-05	<3.41E-05	<1.89E-05	<2.27E-05	<3.89E-05	<1.92E-05	<7.09E-05	<6.40E-05	<3.83E-05	<5.71E-05	<8.60E-05
T-309	<3.03E-05	<1.68E-05	<2.58E-05	<2.43E-05	<2.97E-05	<1.65E-05	<1.98E-05	<3.39E-05	<1.68E-05	<6.18E-05	<5.58E-05	<3.34E-05	<4.98E-05	<7.50E-05
T-310	<4.36E-05	<2.41E-05	<3.71E-05	<3.49E-05	<4.27E-05	<2.37E-05	<2.84E-05	<4.87E-05	<2.41E-05	<8.88E-05	<8.01E-05	<4.80E-05	<7.15E-05	<1.08E-04
T-311	<5.18E-05	<2.86E-05	<4.40E-05	<4.15E-05	<5.07E-05	<2.81E-05	<3.38E-05	<5.79E-05	<2.86E-05	<1.06E-04	<9.52E-05	<5.71E-05	<8.50E-05	<1.28E-04
T-312	<3.75E-05	<2.07E-05	<3.19E-05	<3.00E-05	<3.67E-05	<2.04E-05	<2.45E-05	<4.19E-05	<2.07E-05	<7.64E-05	<6.89E-05	<4.13E-05	<6.15E-05	<9.27E-05
T-313	<3.13E-05	<1.73E-05	<2.66E-05	<2.51E-05	<3.07E-05	<1.70E-05	<2.04E-05	<3.50E-05	<1.73E-05	<6.39E-05	<5.76E-05	<3.45E-05	<5.14E-05	<7.75E-05
T-314	<3.81E-05	<2.11E-05	<3.24E-05	<3.06E-05	<3.73E-05	<2.07E-05	<2.49E-05	<4.26E-05	<2.11E-05	<7.77E-05	<7.01E-05	<4.20E-05	<6.26E-05	<9.43E-05
T-401	<2.91E-05	<1.61E-05	<2.48E-05	<2.33E-05	<2.85E-05	<1.58E-05	<1.90E-05	<3.26E-05	<1.61E-05	<5.94E-05	<5.36E-05	<3.21E-05	<4.78E-05	<7.20E-05
T-402	<2.95E-05	<1.63E-05	<2.51E-05	<2.36E-05	<2.89E-05	<1.60E-05	<1.92E-05	<3.30E-05	<1.63E-05	<6.01E-05	<5.42E-05	<3.25E-05	<4.84E-05	<7.29E-05
T-403	<3.25E-05	<1.79E-05	<2.76E-05	<2.60E-05	<3.18E-05	<1.76E-05	<2.12E-05	<3.63E-05	<1.79E-05	<6.62E-05	<5.97E-05	<3.58E-05	<5.33E-05	<8.03E-05
T-404	<3.96E-05	<2.19E-05	<3.37E-05	<3.18E-05	<3.88E-05	<2.15E-05	<2.59E-05	<4.43E-05	<2.19E-05	<8.08E-05	<7.28E-05	<4.37E-05	<6.51E-05	<9.80E-05
T-405	<3.26E-05	<1.80E-05	<2.78E-05	<2.62E-05	<3.20E-05	<1.77E-05	<2.13E-05	<3.65E-05	<1.80E-05	<6.65E-05	<6.00E-05	<3.60E-05	<5.36E-05	<8.07E-05
T-406	<2.91E-05	<1.61E-05	<2.47E-05	<2.33E-05	<2.85E-05	<1.58E-05	<1.90E-05	<3.25E-05	<1.61E-05	<5.92E-05	<5.34E-05	<3.20E-05	<4.77E-05	<7.18E-05
T-407	<2.88E-05	<1.59E-05	<2.45E-05	<2.31E-05	<2.82E-05	<1.56E-05	<1.88E-05	<3.22E-05	<1.59E-05	<5.87E-05	<5.29E-05	<3.17E-05	<4.73E-05	<7.12E-05
T-408	<2.97E-05	<1.64E-05	<2.53E-05	<2.38E-05	<2.91E-05	<1.61E-05	<1.94E-05	<3.32E-05	<1.64E-05	<6.05E-05	<5.46E-05	<3.27E-05	<4.88E-05	<7.34E-05
T-409	<3.68E-05	<2.04E-05	<3.13E-05	<2.95E-05	<3.61E-05	<2.00E-05	<2.40E-05	<4.12E-05	<2.04E-05	<7.51E-05	<6.77E-05	<4.06E-05	<6.05E-05	<9.11E-05
T-410	<3.50E-05	<1.94E-05	<2.98E-05	<2.81E-05	<3.43E-05	<1.90E-05	<2.28E-05	<3.91E-05	<1.94E-05	<7.13E-05	<6.44E-05	<3.86E-05	<5.75E-05	<8.65E-05
T-411	<4.16E-05	<2.30E-05	<3.54E-05	<3.34E-05	<4.08E-05	<2.26E-05	<2.72E-05	<4.65E-05	<2.30E-05	<8.49E-05	<7.66E-05	<4.59E-05	<6.84E-05	<1.03E-04
T-412	<2.88E-05	<1.59E-05	<2.45E-05	<2.31E-05	<2.82E-05	<1.56E-05	<1.88E-05	<3.21E-05	<1.59E-05	<5.86E-05	<5.29E-05	<3.17E-05	<4.72E-05	<7.11E-05
T-413	<2.85E-05	<1.58E-05	<2.43E-05	<2.29E-05	<2.79E-05	<1.55E-05	<1.86E-05	<3.19E-05	<1.58E-05	<5.81E-05	<5.24E-05	<3.14E-05	<4.68E-05	<7.05E-05
T-414	<2.73E-05	<1.51E-05	<2.32E-05	<2.19E-05	<2.68E-05	<1.48E-05	<1.78E-05	<3.05E-05	<1.51E-05	<5.57E-05	<5.02E-05	<3.01E-05	<4.49E-05	<6.76E-05
T-501	<4.64E-05	<2.57E-05	<3.95E-05	<3.72E-05	<4.55E-05	<2.52E-05	<3.03E-05	<5.19E-05	<2.57E-05	<9.46E-05	<8.53E-05	<5.11E-05	<7.62E-05	<1.15E-04
T-502	<4.47E-05	<2.47E-05	<3.80E-05	<3.58E-05	<4.38E-05	<2.43E-05	<2.92E-05	<4.99E-05	<2.47E-05	<9.10E-05	<8.21E-05	<4.92E-05	<7.33E-05	<1.10E-04
T-503	<3.37E-05	<1.86E-05	<2.86E-05	<2.70E-05	<3.30E-05	<1.83E-05	<2.20E-05	<3.76E-05	<1.86E-05	<6.86E-05	<6.19E-05	<3.71E-05	<5.53E-05	<8.33E-05
T-504	<3.81E-05	<2.11E-05	<3.24E-05	<3.05E-05	<3.73E-05	<2.07E-05	<2.49E-05	<4.26E-05	<2.11E-05	<7.77E-05	<7.01E-05	<4.20E-05	<6.26E-05	<9.42E-05
T-505	<4.28E-05	<2.36E-05	<3.64E-05	<3.43E-05	<4.19E-05	<2.32E-05	<2.79E-05	<4.78E-05	<2.36E-05	<8.72E-05	<7.86E-05	<4.71E-05	<7.02E-05	<1.06E-04
T-506	<4.44E-05	<2.45E-05	<3.78E-05	<3.56E-05	<4.35E-05	<2.41E-05	<2.90E-05	<4.96E-05	<2.45E-05	<9.05E-05	<8.16E-05	<4.89E-05	<7.29E-05	<1.10E-04
T-507	<3.96E-05	<2.19E-05	<3.37E-05	<3.18E-05	<3.88E-05	<2.15E-05	<2.59E-05	<4.43E-05	<2.19E-05	<8.08E-05	<7.29E-05	<4.37E-05	<6.51E-05	<9.80E-05
T-508	<3.58E-05	<1.98E-05	<3.04E-05	<2.87E-05	<3.50E-05	<1.94E-05	<2.33E-05	<4.00E-05	<1.98E-05	<7.29E-05	<6.58E-05	<3.94E-05	<5.87E-05	<8.84E-05
T-509	<3.00E-05	<1.66E-05	<2.56E-05	<2.41E-05	<2.94E-05	<1.63E-05	<1.96E-05	<3.36E-05	<1.66E-05	<6.12E-05	<5.52E-05	<3.31E-05	<4.93E-05	<7.43E-05
T-510	<3.51E-05	<1.94E-05	<2.98E-05	<2.81E-05	<3.44E-05	<1.91E-05	<2.29E-05	<3.92E-05	<1.94E-05	<7.15E-05	<6.45E-05	<3.87E-05	<5.76E-05	<8.68E-05
T-511	<2.87E-05	<1.59E-05	<2.44E-05	<2.30E-05	<2.81E-05	<1.56E-05	<1.87E-05	<3.21E-05	<1.59E-05	<5.85E-05	<5.28E-05	<3.16E-05	<4.72E-05	<7.10E-05
T-512	<4.66E-05	<2.58E-05	<3.97E-05	<3.74E-05	<4.57E-05	<2.53E-05	<3.04E-05	<5.21E-05	<2.58E-05	<9.50E-05	<8.57E-05	<5.14E-05	<7.66E-05	<1.15E-04
T-513	<3.98E-05	<2.20E-05	<3.38E-05	<3.19E-05	<3.90E-05	<2.16E-05	<2.60E-05	<4.45E-05	<2.20E-05	<8.11E-05	<7.32E-05	<4.38E-05	<6.53E-05	<9.84E-05
T-514	<3.70E-05	<2.05E-05	<3.15E-05	<2.97E-05	<3.63E-05	<2.01E-05	<2.42E-05	<4.14E-05	<2.05E-05	<7.54E-05	<6.81E-05	<4.08E-05	<6.08E-05	<9.15E-05

Compound	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	tert-butyl benzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane
CAS	79-34-5	96-18-4	110-57-6	98-06-6	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	87-61-6	87-68-3	75-37-6
Sample ID MW	167.8	147.4	125	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	181.4	260.8	66
Lab Data (ppbv)															
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	223
T-103	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	212
T-104	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	217
T-105	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	215
T-106	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	220
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	216
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	162
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	166
T-110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	214
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	148
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	206
T-113	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	193
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	210
T-201	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	216
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	201
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	182
T-204	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	202
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	143
T-206	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	136
T-207	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	113
T-208	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	96
T-209	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	118
T-210	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	105
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	99
T-212	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	167
T-213	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	166
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	191
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	220
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	161
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	146
T-304	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	133
T-305	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	172
T-306	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	172
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	148
T-308	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	185
T-309	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	139
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	143
T-311	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	119
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	167
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	200
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	172
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	218
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	221
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	191
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	165
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	188
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.9
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	221
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	218
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	172
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	182
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	145
T-412	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	215
T-413	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	217
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	250
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	137
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	141
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	195
T-504	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	171
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	139
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	135
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	157
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	175
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	204
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	181
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	214
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	135
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	158
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	185

Compound	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	tert-butyl benzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane
CAS	79-34-5	96-18-4	110-57-6	98-06-6	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	87-61-6	87-68-3	75-37-6
Sample ID MW	167.8	147.4	125	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	181.4	260.8	66
MDL (ppbv)															
T-101	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1.0
T-102	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-103	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-104	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-105	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-106	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-107	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-108	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-109	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-110	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-111	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-112	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-113	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-114	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-201	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-202	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-203	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-204	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-205	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-206	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-207	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-208	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-209	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-210	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-211	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-212	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-213	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-214	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-301	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-302	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-303	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-304	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-305	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-306	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-307	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-308	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-309	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-310	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-311	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-312	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-313	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-314	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-401	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-402	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-403	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-404	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-405	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-406	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-407	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-408	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-409	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-410	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-411	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-412	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-413	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-414	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-501	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-502	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-503	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-504	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-505	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-506	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-507	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-508	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-509	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-510	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-511	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-512	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-513	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1
T-514	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1	1

Sample ID	Compound	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	tert-butyl benzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane
	CAS	79-34-5	96-18-4	110-57-6	98-06-6	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	87-61-6	87-68-3	75-37-6
	MW	167.8	147.4	125	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	181.4	260.8	66
Data Used (ug/m3)																
T-101		<2.66E+00	<2.34E+00	<1.98E+00	<2.13E+00	<2.13E+00	<2.33E+00	<2.01E+00	<2.33E+00	<2.13E+00	<2.33E+00	<5.63E+00	<4.32E+00	<4.32E+00	<5.18E+00	
T-102		<2.65E+00	<2.33E+00	<1.97E+00	<2.12E+00	<2.12E+00	<2.32E+00	<2.00E+00	<2.32E+00	<2.12E+00	<2.32E+00	<5.60E+00	<4.30E+00	<4.30E+00	<5.15E+00	
T-103		<2.65E+00	<2.33E+00	<1.97E+00	<2.12E+00	<2.12E+00	<2.32E+00	<2.00E+00	<2.32E+00	<2.12E+00	<2.32E+00	<5.60E+00	<4.30E+00	<4.30E+00	<5.15E+00	
T-104		<2.67E+00	<2.35E+00	<1.99E+00	<2.14E+00	<2.14E+00	<2.34E+00	<2.02E+00	<2.34E+00	<2.14E+00	<2.34E+00	<5.65E+00	<4.34E+00	<4.34E+00	<5.19E+00	
T-105		<2.63E+00	<2.31E+00	<1.96E+00	<2.10E+00	<2.10E+00	<2.30E+00	<1.98E+00	<2.30E+00	<2.10E+00	<2.30E+00	<5.56E+00	<4.27E+00	<4.27E+00	<5.11E+00	
T-106		<2.63E+00	<2.31E+00	<1.96E+00	<2.10E+00	<2.10E+00	<2.30E+00	<1.98E+00	<2.30E+00	<2.10E+00	<2.30E+00	<5.55E+00	<4.26E+00	<4.26E+00	<5.10E+00	
T-107		<2.63E+00	<2.31E+00	<1.96E+00	<2.10E+00	<2.10E+00	<2.30E+00	<1.98E+00	<2.30E+00	<2.10E+00	<2.30E+00	<5.56E+00	<4.27E+00	<4.27E+00	<5.11E+00	
T-108		<2.62E+00	<2.30E+00	<1.95E+00	<2.09E+00	<2.09E+00	<2.29E+00	<1.97E+00	<2.29E+00	<2.09E+00	<2.29E+00	<5.53E+00	<4.24E+00	<4.24E+00	<5.08E+00	
T-109		<2.55E+00	<2.24E+00	<1.90E+00	<2.04E+00	<2.04E+00	<2.23E+00	<1.92E+00	<2.23E+00	<2.04E+00	<2.23E+00	<5.38E+00	<4.13E+00	<4.13E+00	<4.95E+00	
T-110		<2.56E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.05E+00	<2.24E+00	<5.41E+00	<4.15E+00	<4.15E+00	<4.98E+00	
T-111		<2.56E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.05E+00	<2.24E+00	<5.41E+00	<4.15E+00	<4.15E+00	<4.98E+00	
T-112		<2.51E+00	<2.20E+00	<1.87E+00	<2.00E+00	<2.00E+00	<2.19E+00	<1.89E+00	<2.19E+00	<2.00E+00	<2.19E+00	<5.29E+00	<4.06E+00	<4.06E+00	<4.87E+00	
T-113		<2.51E+00	<2.20E+00	<1.87E+00	<2.00E+00	<2.00E+00	<2.19E+00	<1.89E+00	<2.19E+00	<2.00E+00	<2.19E+00	<5.29E+00	<4.06E+00	<4.06E+00	<4.87E+00	
T-114		<2.75E+00	<2.42E+00	<2.05E+00	<2.20E+00	<2.20E+00	<2.41E+00	<2.08E+00	<2.41E+00	<2.20E+00	<2.41E+00	<5.82E+00	<4.47E+00	<4.47E+00	<5.35E+00	
T-201		<2.67E+00	<2.35E+00	<1.99E+00	<2.14E+00	<2.14E+00	<2.34E+00	<2.02E+00	<2.34E+00	<2.14E+00	<2.34E+00	<5.65E+00	<4.34E+00	<4.34E+00	<5.19E+00	
T-202		<2.68E+00	<2.36E+00	<2.00E+00	<2.15E+00	<2.15E+00	<2.35E+00	<2.02E+00	<2.35E+00	<2.15E+00	<2.35E+00	<5.67E+00	<4.35E+00	<4.35E+00	<5.21E+00	
T-203		<2.67E+00	<2.35E+00	<1.99E+00	<2.14E+00	<2.14E+00	<2.34E+00	<2.02E+00	<2.34E+00	<2.14E+00	<2.34E+00	<5.65E+00	<4.34E+00	<4.34E+00	<5.19E+00	
T-204		<2.64E+00	<2.32E+00	<1.97E+00	<2.11E+00	<2.11E+00	<2.31E+00	<1.99E+00	<2.31E+00	<2.11E+00	<2.31E+00	<5.58E+00	<4.28E+00	<4.28E+00	<5.13E+00	
T-205		<2.56E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.05E+00	<2.24E+00	<5.40E+00	<4.15E+00	<4.15E+00	<4.97E+00	
T-206		<2.52E+00	<2.22E+00	<1.88E+00	<2.02E+00	<2.02E+00	<2.21E+00	<1.90E+00	<2.21E+00	<2.02E+00	<2.21E+00	<5.33E+00	<4.09E+00	<4.09E+00	<4.90E+00	
T-207		<2.50E+00	<2.20E+00	<1.86E+00	<2.00E+00	<2.00E+00	<2.19E+00	<1.89E+00	<2.19E+00	<2.00E+00	<2.19E+00	<5.28E+00	<4.06E+00	<4.06E+00	<4.86E+00	
T-208		<2.54E+00	<2.23E+00	<1.89E+00	<2.03E+00	<2.03E+00	<2.22E+00	<1.91E+00	<2.22E+00	<2.03E+00	<2.22E+00	<5.36E+00	<4.11E+00	<4.11E+00	<4.93E+00	
T-209		<2.54E+00	<2.23E+00	<1.89E+00	<2.03E+00	<2.03E+00	<2.22E+00	<1.91E+00	<2.22E+00	<2.03E+00	<2.22E+00	<5.36E+00	<4.11E+00	<4.11E+00	<4.93E+00	
T-210		<2.46E+00	<2.16E+00	<1.83E+00	<1.97E+00	<1.97E+00	<2.15E+00	<1.86E+00	<2.15E+00	<1.97E+00	<2.15E+00	<5.19E+00	<3.99E+00	<3.99E+00	<4.78E+00	
T-211		<2.51E+00	<2.20E+00	<1.87E+00	<2.01E+00	<2.01E+00	<2.20E+00	<1.89E+00	<2.20E+00	<2.01E+00	<2.20E+00	<5.30E+00	<4.07E+00	<4.07E+00	<4.88E+00	
T-212		<2.46E+00	<2.16E+00	<1.83E+00	<1.96E+00	<1.96E+00	<2.15E+00	<1.85E+00	<2.15E+00	<1.96E+00	<2.15E+00	<5.19E+00	<3.98E+00	<3.98E+00	<4.77E+00	
T-213		<2.46E+00	<2.16E+00	<1.83E+00	<1.96E+00	<1.96E+00	<2.15E+00	<1.85E+00	<2.15E+00	<1.96E+00	<2.15E+00	<5.19E+00	<3.98E+00	<3.98E+00	<4.77E+00	
T-214		<2.75E+00	<2.42E+00	<2.05E+00	<2.20E+00	<2.20E+00	<2.41E+00	<2.08E+00	<2.41E+00	<2.20E+00	<2.41E+00	<5.82E+00	<4.47E+00	<4.47E+00	<5.35E+00	
T-301		<2.68E+00	<2.36E+00	<2.00E+00	<2.15E+00	<2.15E+00	<2.35E+00	<2.02E+00	<2.35E+00	<2.15E+00	<2.35E+00	<5.67E+00	<4.35E+00	<4.35E+00	<5.21E+00	
T-302		<2.68E+00	<2.36E+00	<2.00E+00	<2.15E+00	<2.15E+00	<2.35E+00	<2.02E+00	<2.35E+00	<2.15E+00	<2.35E+00	<5.67E+00	<4.35E+00	<4.35E+00	<5.21E+00	
T-303		<2.72E+00	<2.39E+00	<2.02E+00	<2.17E+00	<2.17E+00	<2.38E+00	<2.05E+00	<2.38E+00	<2.17E+00	<2.38E+00	<5.74E+00	<4.41E+00	<4.41E+00	<5.28E+00	
T-304		<2.69E+00	<2.37E+00	<2.01E+00	<2.15E+00	<2.15E+00	<2.36E+00	<2.03E+00	<2.36E+00	<2.15E+00	<2.36E+00	<5.69E+00	<4.37E+00	<4.37E+00	<5.23E+00	
T-305		<2.58E+00	<2.27E+00	<1.93E+00	<2.07E+00	<2.07E+00	<2.26E+00	<1.95E+00	<2.26E+00	<2.07E+00	<2.26E+00	<5.46E+00	<4.19E+00	<4.19E+00	<5.02E+00	
T-306		<2.59E+00	<2.27E+00	<1.93E+00	<2.07E+00	<2.07E+00	<2.27E+00	<1.95E+00	<2.27E+00	<2.07E+00	<2.27E+00	<5.47E+00	<4.20E+00	<4.20E+00	<5.03E+00	
T-307		<2.59E+00	<2.28E+00	<1.93E+00	<2.07E+00	<2.07E+00	<2.27E+00	<1.96E+00	<2.27E+00	<2.07E+00	<2.27E+00	<5.48E+00	<4.21E+00	<4.21E+00	<5.04E+00	
T-308		<2.64E+00	<2.32E+00	<1.96E+00	<2.11E+00	<2.11E+00	<2.31E+00	<1.99E+00	<2.31E+00	<2.11E+00	<2.31E+00	<5.57E+00	<4.27E+00	<4.27E+00	<5.12E+00	
T-309		<2.59E+00	<2.27E+00	<1.93E+00	<2.07E+00	<2.07E+00	<2.27E+00	<1.95E+00	<2.27E+00	<2.07E+00	<2.27E+00	<5.47E+00	<4.20E+00	<4.20E+00	<5.03E+00	
T-310		<2.56E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.05E+00	<2.24E+00	<5.40E+00	<4.15E+00	<4.15E+00	<4.97E+00	
T-311		<2.59E+00	<2.28E+00	<1.93E+00	<2.07E+00	<2.07E+00	<2.27E+00	<1.96E+00	<2.27E+00	<2.07E+00	<2.27E+00	<5.48E+00	<4.21E+00	<4.21E+00	<5.04E+00	
T-312		<2.57E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.25E+00	<1.94E+00	<2.25E+00	<2.05E+00	<2.25E+00	<5.42E+00	<4.16E+00	<4.16E+00	<4.99E+00	
T-313		<2.57E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.25E+00	<1.94E+00	<2.25E+00	<2.05E+00	<2.25E+00	<5.42E+00	<4.16E+00	<4.16E+00	<4.99E+00	
T-314		<2.75E+00	<2.42E+00	<2.05E+00	<2.20E+00	<2.20E+00	<2.41E+00	<2.08E+00	<2.41E+00	<2.20E+00	<2.41E+00	<5.82E+00	<4.47E+00	<4.47E+00	<5.35E+00	
T-401		<2.66E+00	<2.34E+00	<1.98E+00	<2.13E+00	<2.13E+00	<2.33E+00	<2.01E+00	<2.33E+00	<2.13E+00	<2.33E+00	<5.62E+00	<4.31E+00	<4.31E+00	<5.17E+00	
T-402		<2.62E+00	<2.30E+00	<1.95E+00	<2.10E+00	<2.10E+00	<2.30E+00	<1.98E+00	<2.30E+00	<2.10E+00	<2.30E+00	<5.54E+00	<4.25E+00	<4.25E+00	<5.09E+00	
T-403		<2.60E+00	<2.28E+00	<1.94E+00	<2.08E+00	<2.08E+00	<2.28E+00	<1.96E+00	<2.28E+00	<2.08E+00	<2.28E+00	<5.49E+00	<4.21E+00	<4.21E+00	<5.05E+00	
T-404		<2.63E+00	<2.31E+00	<1.96E+00	<2.10E+00	<2.10E+00	<2.30E+00	<1.98E+00	<2.30E+00	<2.10E+00	<2.30E+00	<5.55E+00	<4.26E+00	<4.26E+00	<5.10E+00	
T-405		<2.57E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.25E+00	<1.94E+00	<2.25E+00	<2.05E+00	<2.25E+00	<5.42E+00	<4.16E+00	<4.16E+00	<4.99E+00	
T-406		<2.54E+00	<2.23E+00	<1.89E+00	<2.03E+00	<2.03E+00	<2.23E+00	<1.92E+00	<2.23E+00	<2.03E+00	<2.23E+00	<5.37E+00	<4.12E+00	<4.12E+00	<4.93E+00	
T-407		<2.56E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.05E+00	<2.24E+00	<5.40E+00	<4.15E+00	<4.15E+00	<4.97E+00	
T-408		<2.61E+00	<2.29E+00	<1.95E+00	<2.09E+00	<2.09E+00	<2.29E+00	<1.97E+00	<2.29E+00	<2.09E+00	<2.29E+00	<5.52E+00	<4.24E+00	<4.24E+00	<5.07E+00	
T-409		<2.55E+00	<2.24E+00	<1.90E+00	<2.04E+00	<2.04E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.04E+00	<2.24E+00	<5.39E+00	<4.14E+00	<4.14E+00	<4.96E+00	
T-410		<2.56E+00	<2.25E+00	<1.91E+00	<2.05E+00	<2.05E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.05E+00	<2.24E+00	<5.41E+00	<4.15E+00	<4.15E+00	<4.98E+00	
T-411		<2.53E+00	<2.22E+00	<1.88E+00	<2.02E+00	<2.02E+00	<2.21E+00	<1.91E+00	<2.21E+00	<2.02E+00	<2.21E+00	<5.34E+00	<4.10E+00	<4.10E+00	<4.91E+00	
T-412		<2.59E+00	<2.27E+00	<1.93E+00	<2.07E+00	<2.07E+00	<2.27E+00	<1.95E+00	<2.27E+00	<2.07E+00	<2.27E+00	<5.47E+00	<4.20E+00	<4.20E+00	<5.03E+00	
T-413		<2.59E+00	<2.27E+00	<1.93E+00	<2.07E+00	<2.07E+00	<2.27E+00	<1.95E+00	<2.27E+00	<2.07E+00	<2.27E+00	<5.47E+00	<4.20E+00	<4.20E+00	<5.03E+00	
T-414		<2.75E+00	<2.42E+00	<2.05E+00	<2.20E+00	<2.20E+00	<2.41E+00	<2.08E+00	<2.41E+00	<2.20E+00	<2.41E+00	<5.82E+00	<4.47E+00	<4.47E+00	<5.35E+00	
T-501		<2.66E+00	<2.34E+00	<1.98E+00	<2.13E+00	<2.13E+00	<2.33E+00	<2.01E+00	<2.33E+00	<2.13E+00	<2.33E+00	<5.63E+00	<4.32E+00	<4.32E+00	<5.18E+00	
T-502		<2.64E+00	<2.32E+00	<1.97E+00	<2.12E+00	<2.12E+00	<2.32E+00	<2.00E+00	<2.32E+00	<2.12E+00	<2.32E+00	<5.59E+00	<4.29E+00	<4.29E+00	<5.14E+00	
T-503		<2.64E+00	<2.32E+00	<1.97E+00	<2.11E+00	<2.11E+00	<2.31E+00	<1.99E+00	<2.31E+00	<2.11E+00	<2.31E+00	<5.58E+00	<4.28E+00	<4.28E+00	<5.13E+00	
T-504		<2.62E+00	<2.30E+00	<1.95E+00	<2.09E+00	<2.09E+00	<2.29E+00	<1.97E+00	<2.29E+00	<2.09E+00	<2.29E+00	<5.53E+00	<4.24E+00	<4.24E+00	<5.08E+00	
T-505		<2.49E+00	<2.19E+00	<1.86E+00	<1.99E+00	<1.99E+00	<2.18E+00	<1.88E+00	<2.18E+00	<1.99E+00	<2.18E+00	<5.27E+00	<4.04E+00	<4.04E+00	<4.84E+00	
T-506		<2.51E+00	<2.20E+00	<1.87E+00	<2.00E+00	<2.00E+00	<2.19E+00	<1.89E+00	<2.19E+00	<2.00E+00	<2.19E+00	<5.29E+00	<4.06E+00	<4.06E+00	<4.87E+00	
T-507		<2.51E+00	<2.20E+00	<1.87E+00	<2.00E+00	<2.00E+00	<2.19E+00	<1.89E+00	<2.19E+00	<2.00E+00	<2.19E+00	<5.29E+00	<4.06E+00	<4.06E+00	<4.87E+00	
T-508		<2.52E+00	<2.21E+00	<1.88E+00	<2.01E+00	<2.01E+00	<2.21E+00	<1.90E+00	<2.21E+00	<2.01E+00	<2.21E+00	<5.32E+00	<4.08E+00	<4.08E+00	<4.89E+00	
T-509		<2.57E+00	<2.26E+00	<1.92E+00	<2.06E+00	<2.06E+00	<2.25E+00	<1.94E+00	<2.25E+00	<2.06E+00	<2.25E+00	<5.43E+00	<4.17E+00	<4.17E+00	<4.99E+00	
T-510		<2.55E+00	<2.24E+00	<1.90E+00	<2.04E+00	<2.04E+00	<2.24E+00	<1.93E+00	<2.24E+00	<2.04E+00	<2.24E+00	<5.39E+00	<4.14E+00	<4.14E+00	<4.96E+00	
T-511		<2.57E+00	<2.26E+00	<1.92E+00	<2.06E+00	<2.06E+00	<2.25E+00	<1.94E+00	<2.25E+00	<2.06E+00	<2.25E+00	<5.43E+00	<4.17E+00	<4.17E+00	<4.99E+00	
T-512		<2.54E+00	<2.23E+00	<1.89E+00	<2.03E+00	<2.03E+00	<2.22E+00	<1.91E+00	<2.22E+00	<2.03E+00	<2.22E+00	<5.36E+00	<4.11E+00	<4.11E+00	<4.93E+00	
T-513		<2.54E+00	<2.23E+00	<1.89E+00	<2.03E+00	<2.03E+00	<2.22E+00	<1.91E+00	<2.22E+00	<2.03E+00	<2.22E+00	<5.36E+00	<4.11E+00	<4.11E+00	<4.93E+00	
T-514		<2.75E+00	<2.42E+00	<2.05E+00	<2.20E+00	<2.20E+00	<2.41E+00	<2.08E+00	<2.41E+00	<2.20E+00	<2.41E+00	<5.82E+00	<4.47E+00	<4.47E+00	<5.35E+00	

Compound	1,1,2,2-Tetrachloroethane	1,2,3-Trichloropropane	t-1,4-Dichloro-2-butene	tert-butyl benzene	sec-butylbenzene	1,3-Dichlorobenzene	Benzyl chloride	1,4-Dichlorobenzene	n-Butylbenzene	1,2-Dichlorobenzene	1,2-Dibromo-3-chloropropane	1,2,4-Trichlorobenzene	1,2,3-Trichlorobenzene	Hexachlorobutadiene	1,1-Difluoroethane
CAS	79-34-5	96-18-4	110-57-6	98-06-6	135-98-8	541-73-1	100-44-7	106-46-7	104-51-8	95-50-1	96-12-8	120-82-1	87-61-6	87-68-3	75-37-6
Sample ID MW	167.8	147.4	125	134.2	134.2	147	126.6	147	134.2	147	236.3	181.4	181.4	260.8	66
Flux (mg/m2-min)															
T-101	<1.10E-04	<9.63E-05	<8.17E-05	<8.77E-05	<8.77E-05	<9.61E-05	<8.27E-05	<9.61E-05	<8.77E-05	<9.61E-05	<2.32E-04	<1.78E-04	<1.78E-04	<2.13E-04	
T-102	<9.28E-05	<8.15E-05	<6.91E-05	<7.42E-05	<7.42E-05	<8.13E-05	<7.00E-05	<8.13E-05	<7.42E-05	<8.13E-05	<1.96E-04	<1.50E-04	<1.50E-04	<1.80E-04	
T-103	<9.98E-05	<8.77E-05	<7.43E-05	<7.98E-05	<7.98E-05	<8.74E-05	<7.53E-05	<8.74E-05	<7.98E-05	<8.74E-05	<2.11E-04	<1.62E-04	<1.62E-04	<1.94E-04	
T-104	<9.88E-05	<8.67E-05	<7.36E-05	<7.90E-05	<7.90E-05	<8.65E-05	<7.45E-05	<8.65E-05	<7.90E-05	<8.65E-05	<2.09E-04	<1.60E-04	<1.60E-04	<1.92E-04	
T-105	<9.56E-05	<8.40E-05	<7.12E-05	<7.65E-05	<7.65E-05	<8.37E-05	<7.21E-05	<8.37E-05	<7.65E-05	<8.37E-05	<2.02E-04	<1.55E-04	<1.55E-04	<1.86E-04	
T-106	<9.31E-05	<8.18E-05	<6.93E-05	<7.44E-05	<7.44E-05	<8.15E-05	<7.02E-05	<8.15E-05	<7.44E-05	<8.15E-05	<1.97E-04	<1.51E-04	<1.51E-04	<1.81E-04	
T-107	<9.74E-05	<8.56E-05	<7.26E-05	<7.79E-05	<7.79E-05	<8.54E-05	<7.35E-05	<8.54E-05	<7.79E-05	<8.54E-05	<2.06E-04	<1.58E-04	<1.58E-04	<1.89E-04	
T-108	<1.29E-04	<1.14E-04	<9.64E-05	<1.04E-04	<1.04E-04	<1.13E-04	<9.76E-05	<1.13E-04	<1.04E-04	<1.13E-04	<2.73E-04	<2.10E-04	<2.10E-04	<2.51E-04	
T-109	<1.20E-04	<1.05E-04	<8.93E-05	<9.58E-05	<9.58E-05	<1.05E-04	<9.04E-05	<1.05E-04	<9.58E-05	<1.05E-04	<2.53E-04	<1.94E-04	<1.94E-04	<2.33E-04	
T-110	<9.57E-05	<8.41E-05	<7.13E-05	<7.66E-05	<7.66E-05	<8.39E-05	<7.22E-05	<8.39E-05	<7.66E-05	<8.39E-05	<2.02E-04	<1.55E-04	<1.55E-04	<1.86E-04	
T-111	<1.39E-04	<1.22E-04	<1.03E-04	<1.11E-04	<1.11E-04	<1.22E-04	<1.05E-04	<1.22E-04	<1.11E-04	<1.22E-04	<2.93E-04	<2.25E-04	<2.25E-04	<2.70E-04	
T-112	<9.52E-05	<8.36E-05	<7.09E-05	<7.61E-05	<7.61E-05	<8.34E-05	<7.18E-05	<8.34E-05	<7.61E-05	<8.34E-05	<2.01E-04	<1.54E-04	<1.54E-04	<1.85E-04	
T-113	<1.04E-04	<9.12E-05	<7.73E-05	<8.30E-05	<8.30E-05	<9.09E-05	<7.83E-05	<9.09E-05	<8.30E-05	<9.09E-05	<2.19E-04	<1.68E-04	<1.68E-04	<2.02E-04	
T-114	<1.05E-04	<9.20E-05	<7.80E-05	<8.38E-05	<8.38E-05	<9.18E-05	<7.90E-05	<9.18E-05	<8.38E-05	<9.18E-05	<2.21E-04	<1.70E-04	<1.70E-04	<2.04E-04	
T-201	<9.90E-05	<8.70E-05	<7.38E-05	<7.92E-05	<7.92E-05	<8.68E-05	<7.47E-05	<8.68E-05	<7.92E-05	<8.68E-05	<2.09E-04	<1.61E-04	<1.61E-04	<1.92E-04	
T-202	<1.07E-04	<9.39E-05	<7.96E-05	<8.55E-05	<8.55E-05	<9.36E-05	<8.06E-05	<9.36E-05	<8.55E-05	<9.36E-05	<2.26E-04	<1.73E-04	<1.73E-04	<2.08E-04	
T-203	<1.15E-04	<1.01E-04	<8.57E-05	<9.20E-05	<9.20E-05	<1.01E-04	<8.68E-05	<1.01E-04	<9.20E-05	<1.01E-04	<2.43E-04	<1.87E-04	<1.87E-04	<2.23E-04	
T-204	<1.02E-04	<8.98E-05	<7.61E-05	<8.17E-05	<8.17E-05	<8.95E-05	<7.71E-05	<8.95E-05	<8.17E-05	<8.95E-05	<2.16E-04	<1.66E-04	<1.66E-04	<1.99E-04	
T-205	<1.39E-04	<1.22E-04	<1.04E-04	<1.11E-04	<1.11E-04	<1.22E-04	<1.05E-04	<1.22E-04	<1.11E-04	<1.22E-04	<2.94E-04	<2.26E-04	<2.26E-04	<2.71E-04	
T-206	<1.48E-04	<1.30E-04	<1.10E-04	<1.18E-04	<1.18E-04	<1.30E-04	<1.12E-04	<1.30E-04	<1.18E-04	<1.30E-04	<3.13E-04	<2.40E-04	<2.40E-04	<2.87E-04	
T-207	<1.77E-04	<1.56E-04	<1.32E-04	<1.42E-04	<1.42E-04	<1.55E-04	<1.34E-04	<1.55E-04	<1.42E-04	<1.55E-04	<3.75E-04	<2.88E-04	<2.88E-04	<3.45E-04	
T-208	<2.06E-04	<1.81E-04	<1.54E-04	<1.65E-04	<1.65E-04	<1.81E-04	<1.56E-04	<1.81E-04	<1.65E-04	<1.81E-04	<4.35E-04	<3.34E-04	<3.34E-04	<4.01E-04	
T-209	<1.68E-04	<1.47E-04	<1.25E-04	<1.34E-04	<1.34E-04	<1.47E-04	<1.26E-04	<1.47E-04	<1.34E-04	<1.47E-04	<3.54E-04	<2.72E-04	<2.72E-04	<3.26E-04	
T-210	<1.87E-04	<1.65E-04	<1.40E-04	<1.50E-04	<1.50E-04	<1.64E-04	<1.41E-04	<1.64E-04	<1.50E-04	<1.64E-04	<3.96E-04	<3.04E-04	<3.04E-04	<3.64E-04	
T-211	<1.98E-04	<1.74E-04	<1.48E-04	<1.58E-04	<1.58E-04	<1.73E-04	<1.49E-04	<1.73E-04	<1.58E-04	<1.73E-04	<4.18E-04	<3.21E-04	<3.21E-04	<3.85E-04	
T-212	<1.18E-04	<1.03E-04	<8.77E-05	<9.41E-05	<9.41E-05	<1.03E-04	<8.88E-05	<1.03E-04	<9.41E-05	<1.03E-04	<2.49E-04	<1.91E-04	<1.91E-04	<2.29E-04	
T-213	<1.18E-04	<1.04E-04	<8.81E-05	<9.46E-05	<9.46E-05	<1.04E-04	<8.93E-05	<1.04E-04	<9.46E-05	<1.04E-04	<2.50E-04	<1.92E-04	<1.92E-04	<2.30E-04	
T-214	<1.16E-04	<1.01E-04	<8.61E-05	<9.24E-05	<9.24E-05	<1.01E-04	<8.72E-05	<1.01E-04	<9.24E-05	<1.01E-04	<2.44E-04	<1.87E-04	<1.87E-04	<2.24E-04	
T-301	<9.74E-05	<8.56E-05	<7.26E-05	<7.79E-05	<7.79E-05	<8.53E-05	<7.35E-05	<8.53E-05	<7.79E-05	<8.53E-05	<2.06E-04	<1.58E-04	<1.58E-04	<1.89E-04	
T-302	<1.34E-04	<1.17E-04	<9.96E-05	<1.07E-04	<1.07E-04	<1.17E-04	<1.01E-04	<1.17E-04	<1.07E-04	<1.17E-04	<2.82E-04	<2.17E-04	<2.17E-04	<2.60E-04	
T-303	<1.46E-04	<1.28E-04	<1.08E-04	<1.16E-04	<1.16E-04	<1.28E-04	<1.10E-04	<1.28E-04	<1.16E-04	<1.28E-04	<3.07E-04	<2.36E-04	<2.36E-04	<2.83E-04	
T-304	<1.58E-04	<1.38E-04	<1.17E-04	<1.26E-04	<1.26E-04	<1.38E-04	<1.19E-04	<1.38E-04	<1.26E-04	<1.38E-04	<3.33E-04	<2.56E-04	<2.56E-04	<3.06E-04	
T-305	<1.20E-04	<1.06E-04	<8.96E-05	<9.62E-05	<9.62E-05	<1.05E-04	<9.08E-05	<1.05E-04	<9.62E-05	<1.05E-04	<2.54E-04	<1.95E-04	<1.95E-04	<2.34E-04	
T-306	<1.17E-04	<1.03E-04	<8.74E-05	<9.39E-05	<9.39E-05	<1.03E-04	<8.86E-05	<1.03E-04	<9.39E-05	<1.03E-04	<2.48E-04	<1.90E-04	<1.90E-04	<2.28E-04	
T-307	<1.37E-04	<1.20E-04	<1.02E-04	<1.10E-04	<1.10E-04	<1.20E-04	<1.03E-04	<1.20E-04	<1.10E-04	<1.20E-04	<2.89E-04	<2.22E-04	<2.22E-04	<2.66E-04	
T-308	<1.14E-04	<1.00E-04	<8.51E-05	<9.14E-05	<9.14E-05	<1.00E-04	<8.62E-05	<1.00E-04	<9.14E-05	<1.00E-04	<2.41E-04	<1.85E-04	<1.85E-04	<2.22E-04	
T-309	<9.96E-05	<8.75E-05	<7.42E-05	<7.96E-05	<7.96E-05	<8.72E-05	<7.51E-05	<8.72E-05	<7.96E-05	<8.72E-05	<2.10E-04	<1.61E-04	<1.61E-04	<1.93E-04	
T-310	<1.43E-04	<1.26E-04	<1.07E-04	<1.14E-04	<1.14E-04	<1.25E-04	<1.08E-04	<1.25E-04	<1.14E-04	<1.25E-04	<3.02E-04	<2.32E-04	<2.32E-04	<2.78E-04	
T-311	<1.70E-04	<1.49E-04	<1.27E-04	<1.36E-04	<1.36E-04	<1.49E-04	<1.28E-04	<1.49E-04	<1.36E-04	<1.49E-04	<3.59E-04	<2.76E-04	<2.76E-04	<3.30E-04	
T-312	<1.23E-04	<1.08E-04	<9.17E-05	<9.84E-05	<9.84E-05	<1.08E-04	<9.28E-05	<1.08E-04	<9.84E-05	<1.08E-04	<2.60E-04	<2.00E-04	<2.00E-04	<2.39E-04	
T-313	<1.03E-04	<9.04E-05	<7.66E-05	<8.23E-05	<8.23E-05	<9.01E-05	<7.76E-05	<9.01E-05	<8.23E-05	<9.01E-05	<2.17E-04	<1.67E-04	<1.67E-04	<2.00E-04	
T-314	<1.25E-04	<1.10E-04	<9.33E-05	<1.00E-04	<1.00E-04	<1.10E-04	<9.45E-05	<1.10E-04	<1.00E-04	<1.10E-04	<2.64E-04	<2.03E-04	<2.03E-04	<2.43E-04	
T-401	<9.57E-05	<8.40E-05	<7.13E-05	<7.65E-05	<7.65E-05	<8.38E-05	<7.22E-05	<8.38E-05	<7.65E-05	<8.38E-05	<2.02E-04	<1.55E-04	<1.55E-04	<1.86E-04	
T-402	<9.68E-05	<8.51E-05	<7.21E-05	<7.75E-05	<7.75E-05	<8.48E-05	<7.31E-05	<8.48E-05	<7.75E-05	<8.48E-05	<2.05E-04	<1.57E-04	<1.57E-04	<1.88E-04	
T-403	<1.07E-04	<9.36E-05	<7.94E-05	<8.53E-05	<8.53E-05	<9.34E-05	<8.04E-05	<9.34E-05	<8.53E-05	<9.34E-05	<2.25E-04	<1.73E-04	<1.73E-04	<2.07E-04	
T-404	<1.30E-04	<1.14E-04	<9.69E-05	<1.04E-04	<1.04E-04	<1.14E-04	<9.82E-05	<1.14E-04	<1.04E-04	<1.14E-04	<2.75E-04	<2.11E-04	<2.11E-04	<2.53E-04	
T-405	<1.07E-04	<9.41E-05	<7.98E-05	<8.57E-05	<8.57E-05	<9.39E-05	<8.09E-05	<9.39E-05	<8.57E-05	<9.39E-05	<2.26E-04	<1.74E-04	<1.74E-04	<2.08E-04	
T-406	<9.54E-05	<8.38E-05	<7.11E-05	<7.63E-05	<7.63E-05	<8.36E-05	<7.20E-05	<8.36E-05	<7.63E-05	<8.36E-05	<2.02E-04	<1.55E-04	<1.55E-04	<1.85E-04	
T-407	<9.46E-05	<8.31E-05	<7.04E-05	<7.56E-05	<7.56E-05	<8.28E-05	<7.13E-05	<8.28E-05	<7.56E-05	<8.28E-05	<2.00E-04	<1.53E-04	<1.53E-04	<1.84E-04	
T-408	<9.75E-05	<8.57E-05	<7.26E-05	<7.80E-05	<7.80E-05	<8.54E-05	<7.36E-05	<8.54E-05	<7.80E-05	<8.54E-05	<2.06E-04	<1.58E-04	<1.58E-04	<1.89E-04	
T-409	<1.21E-04	<1.06E-04	<9.01E-05	<9.67E-05	<9.67E-05	<1.06E-04	<9.13E-05	<1.06E-04	<9.67E-05	<1.06E-04	<2.56E-04	<1.96E-04	<1.96E-04	<2.35E-04	
T-410	<1.15E-04	<1.01E-04	<8.56E-05	<9.19E-05	<9.19E-05	<1.01E-04	<8.67E-05	<1.01E-04	<9.19E-05	<1.01E-04	<2.43E-04	<1.86E-04	<1.86E-04	<2.23E-04	
T-411	<1.37E-04	<1.20E-04	<1.02E-04	<1.09E-04	<1.09E-04	<1.20E-04	<1.03E-04	<1.20E-04	<1.09E-04	<1.20E-04	<2.89E-04	<2.22E-04	<2.22E-04	<2.66E-04	
T-412	<9.45E-05	<8.30E-05	<7.04E-05	<7.55E-05	<7.55E-05	<8.28E-05	<7.13E-05	<8.28E-05	<7.55E-05	<8.28E-05	<2.00E-04	<1.53E-04	<1.53E-04	<1.84E-04	
T-413	<9.36E-05	<8.23E-05	<6.98E-05	<7.49E-05	<7.49E-05	<8.20E-05	<7.06E-05	<8.20E-05	<7.49E-05	<8.20E-05	<1.98E-04	<1.52E-04	<1.52E-04	<1.82E-04	
T-414	<8.97E-05	<7.88E-05	<6.68E-05	<7.18E-05	<7.18E-05	<7.86E-05	<6.77E-05	<7.86E-05	<7.18E-05	<7.86E-05	<1.90E-04	<1.45E-04	<1.45E-04	<1.74E-04	
T-501	<1.52E-04	<1.34E-04	<1.14E-04	<1.22E-04	<1.22E-04	<1.34E-04	<1.15E-04	<1.34E-04	<1.22E-04	<1.34E-04	<3.22E-04	<2.47E-04	<2.47E-04	<2.96E-04	
T-502	<1.47E-04	<1.29E-04	<1.09E-04	<1.17E-04	<1.17E-04	<1.28E-04	<1.11E-04	<1.28E-04	<1.17E-04	<1.28E-04	<3.10E-04	<2.38E-04	<2.38E-04	<2.85E-04	
T-503	<1.11E-04	<9.72E-05	<8.24E-05	<8.85E-05	<8.85E-05	<9.69E-05	<8.34E-05	<9.69E-05	<8.85E-05	<9.69E-05	<2.34E-04	<1.79E-04	<1.79E-04	<2.15E-04	
T-504	<1.25E-04	<1.10E-04	<9.32E-05	<1.00E-04	<1.00E-04	<1.10E-04	<9.44E-05	<1.10E-04	<1.00E-04	<1.10E-04	<2.64E-04	<2.03E-04	<2.03E-04	<2.43E-04	
T-505	<1.40E-04	<1.23E-04	<1.05E-04	<1.12E-04	<1.12E-04	<1.23E-04	<1.06E-04	<1.23E-04	<1.12E-04	<1.23E-04	<2.97E-04	<2.28E-04	<2.28E-04	<2.73E-04	
T-506	<1.46E-04	<1.28E-04	<1.09E-04	<1.17E-04	<1.17E-04	<1.28E-04	<1.10E-04	<1.28E-04	<1.17E-04	<1.28E-04	<3.08E-04	<2.36E-04	<2.36E-04	<2.83E-04	
T-507	<1.30E-04	<1.14E-04	<9.70E-05	<1.04E-04	<1.04E-04	<1.14E-04	<9.82E-05	<1.14E-04	<1.04E-04	<1.14E-04	<2.75E-04	<2.11E-04	<2.11E-04	<2.53E-04	
T-508	<1.17E-04	<1.03E-04	<8.75E-05	<9.39E-05	<9.39E-05	<1.03E-04	<8.86E-05	<1.03E-04	<9.39E-05	<1.03E-04	<2.48E-04	<1.90E-04	<1.90E-04	<2.28E-04	
T-509	<9.87E-05	<8.67E-05	<7.35E-05	<7.89E-05	<7.89E-05	<8.64E-05	<7.44E-05	<8.64E-05	<7.89E-05	<8.64E-05	<2.08E-04	<1.60E-04	<1.60E-04	<1.92E-04	
T-510	<1.15E-04	<1.01E-04	<8.58E-05	<9.21E-05	<9.21E-05	<1.01E-04	<8.69E-05	<1.01E-04	<9.21E-05	<1.01E-04	<2.43E-04	<1.87E-04	<1.87E-04	<2.24E-04	
T-511	<9.43E-05	<8.29E-05	<7.03E-05	<7.54E-05	<7.54E-05	<8.26E-05	<7.12E-05	<8.26E-05	<7.54E-05	<8.26E-05	<1.99E-04	<1.53E-04	<1.53E-04	<1.83E-04	
T-512	<1.53E-04	<1.35E-04	<1.14E-04	<1.22E-04	<1.22E-04	<1.34E-04	<1.16E-04	<1.34E-04	<1.22E-04	<1.34E-04	<3.23E-04	<2.48E-04	<2.48E-04	<2.97E-04	
T-513	<1.31E-04	<1.15E-04	<9.73E-05	<1.05E-04	<1.05E-04	<1.14E-04	<9.86E-05	<1.14E-04	<1.05E-04	<1.14E-04	<2.76E-04	<2.12E-04	<2.12E-04	<2.54E-04	
T-514	<1.22E-04	<1.07E-04	<9.05E-05	<9.72E-05	<9.72E-05	<1.06E-04	<9.17E-05	<1.06E-04	<9.72E-05	<1.06E-04	<2.57E-04	<1.97E-04	<1.97E-04	<2.36E-04	

Sample ID	Compound CAS MW
Lab Data (ppbv)	
T-101	
T-102	
T-103	
T-104	
T-105	
T-106	
T-107	
T-108	
T-109	
T-110	
T-111	
T-112	
T-113	
T-114	
T-201	
T-202	
T-203	
T-204	
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T-213	
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T-401	
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T-513	
T-514	

Sample ID	Compound CAS	MW
MDL (ppbv)		
T-101		
T-102		
T-103		
T-104		
T-105		
T-106		
T-107		
T-108		
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T-111		
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T-214		
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T-314		
T-401		
T-402		
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T-414		
T-501		
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T-510		
T-511		
T-512		
T-513		
T-514		

Compound / CAS / Sample ID / MW	Temp. oF	oC	273.15 oK	0.0821 RT
Data Used (ug/m3)				
T-101	93	33.89	307	25.19
T-102	96	35.56	308.7	25.33
T-103	96	35.56	308.7	25.33
T-104	91	32.78	305.9	25.1
T-105	100	37.78	310.9	25.51
T-106	101	38.33	311.5	25.56
T-107	100	37.78	310.9	25.51
T-108	103	39.44	312.6	25.65
T-109	118	47.78	320.9	26.33
T-110	115	46.11	319.3	26.2
T-111	115	46.11	319.3	26.2
T-112	128	53.33	326.5	26.79
T-113	128	53.33	326.5	26.79
T-114	75	23.89	297	24.37
T-201	91	32.78	305.9	25.1
T-202	89	31.67	304.8	25.01
T-203	91	32.78	305.9	25.1
T-204	98	36.67	309.8	25.42
T-205	116	46.67	319.8	26.24
T-206	124	51.11	324.3	26.61
T-207	129	53.89	327	26.84
T-208	121	49.44	322.6	26.47
T-209	121	49.44	322.6	26.47
T-210	139	59.44	332.6	27.29
T-211	127	52.78	325.9	26.74
T-212	140	60	333.2	27.34
T-213	140	60	333.2	27.34
T-214	75	23.89	297	24.37
T-301	89	31.67	304.8	25.01
T-302	89	31.67	304.8	25.01
T-303	82	27.78	300.9	24.69
T-304	87	30.56	303.7	24.92
T-305	110	43.33	316.5	25.97
T-306	109	42.78	315.9	25.92
T-307	108	42.22	315.4	25.88
T-308	99	37.22	310.4	25.47
T-309	109	42.78	315.9	25.92
T-310	116	46.67	319.8	26.24
T-311	108	42.22	315.4	25.88
T-312	114	45.56	318.7	26.15
T-313	114	45.56	318.7	26.15
T-314	75	23.89	297	24.37
T-401	94	34.44	307.6	25.24
T-402	102	38.89	312	25.61
T-403	107	41.67	314.8	25.83
T-404	101	38.33	311.5	25.56
T-405	114	45.56	318.7	26.15
T-406	120	48.89	322	26.43
T-407	116	46.67	319.8	26.24
T-408	104	40	313.2	25.7
T-409	117	47.22	320.4	26.29
T-410	115	46.11	319.3	26.2
T-411	123	50.56	323.7	26.56
T-412	109	42.78	315.9	25.92
T-413	109	42.78	315.9	25.92
T-414	75	23.89	297	24.37
T-501	93	33.89	307	25.19
T-502	97	36.11	309.3	25.38
T-503	98	36.67	309.8	25.42
T-504	103	39.44	312.6	25.65
T-505	131	55	328.2	26.93
T-506	128	53.33	326.5	26.79
T-507	128	53.33	326.5	26.79
T-508	125	51.67	324.8	26.65
T-509	113	45	318.2	26.11
T-510	117	47.22	320.4	26.29
T-511	113	45	318.2	26.11
T-512	121	49.44	322.6	26.47
T-513	121	49.44	322.6	26.47
T-514	75	23.89	297	24.37

Sample ID	Compound CAS MW	
Flux (mg/m2-min)		Flow (m3/min)
T-101		0.005
T-102		0.005
T-103		0.005
T-104		#REF!
T-105		0.005
T-106		0.005
T-107		0.005
T-108		0.006
T-109		0.006
T-110		0.005
T-111		0.007
T-112		0.005
T-113		0.005
T-114		0.005
T-201		0.005
T-202		0.005
T-203		0.006
T-204		0.005
T-205		0.007
T-206		0.008
T-207		0.009
T-208		0.011
T-209		0.009
T-210		0.010
T-211		0.010
T-212		0.006
T-213		0.006
T-214		0.005
T-301		0.005
T-302		0.006
T-303		0.007
T-304		0.008
T-305		0.006
T-306		0.006
T-307		0.007
T-308		0.006
T-309		0.005
T-310		0.007
T-311		0.009
T-312		0.006
T-313		0.005
T-314		0.006
T-401		0.005
T-402		0.005
T-403		0.005
T-404		0.006
T-405		0.005
T-406		0.005
T-407		0.005
T-408		0.005
T-409		0.006
T-410		0.006
T-411		0.007
T-412		0.005
T-413		0.005
T-414		0.004
T-501		0.007
T-502		0.007
T-503		0.005
T-504		0.006
T-505		0.007
T-506		0.008
T-507		0.007
T-508		0.006
T-509		0.005
T-510		0.006
T-511		0.005
T-512		0.008
T-513		0.007
T-514		0.006

Sample ID	Compound	CAS	MW	TNMHC - C6	TNMHC - C1	Propane	Ethane	Propene	Toluene	n-Butane	m,p-xylene	i-Pentane	Ethylbenzene	Cyclopentane	o-xylene	2,2,4-Trimethylpentane	n-Heptane	n-propylbenzene
	Total Non-Methane Hydrocarbons-C6		86.2			74-98-6	74-84-0	115-07-1	108-88-3	106-97-8	108-38-3	78-78-4	100-41-4	287-92-3	95-47-6	540-84-1	142-82-5	103-65-1
	Total Non-Methane Hydrocarbons-C1		16			44.1	30.1	42.1	92.1	58.1	106.2	72.2	106.2	70.1	106.2	114.2	100.2	120.2
Lab Data (ppbv)																		
T-101				15.77	94.61	3.69	34.35	2.58	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102				8.62	51.75	2.72	17.2	2.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103				54.85	329.1	8.06	25.73	1.36	ND	4.82	1.48	ND	ND	ND	0.91	ND	ND	4.07
T-104				63.43	380.56	5.84	21.8	ND	ND	ND	ND	ND	ND	ND	0.73	10.18	4.29	ND
T-105				59.26	355.58	3.49	10.78	ND	ND	ND	ND	ND	ND	ND	0.67	ND	ND	ND
T-106				38.54	231.21	ND	ND	ND	ND	ND	1.66	ND	0.81	ND	0.67	ND	ND	ND
T-107				41.03	246.17	3.82	24.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108				22.11	132.67	2.95	23.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109				96.6	579.6	6.47	31.19	ND	2.9	3.17	4.89	ND	3.96	ND	3.08	ND	1.08	1.5
T-110				38.48	230.88	3.45	29.34	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-111				15.23	91.41	3.7	26.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112				74.12	444.72	7.3	77.53	6	4.17	ND	2.11	ND	2.04	ND	1.68	ND	ND	ND
T-113				91.88	551.27	8.25	37.69	1.56	3.21	5.35	5.29	ND	4.21	ND	3.22	ND	ND	1.48
T-114				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201				69.41	416.46	3.75	29.49	3.07	0.57	1.2	ND	ND	ND	ND	1.01	ND	ND	4.01
T-202				15.12	90.74	3.92	30.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203				16.98	101.89	5.94	24.9	1.71	ND	1.62	ND	ND	ND	ND	ND	ND	ND	ND
T-204				4754.95	28529.68	185.41	76.74	486.94	777.48	119.5	445.27	145.9	312.58	73.52	150.13	91.28	115.05	34.59
T-205				54.24	325.43	6.76	26.93	6	1.81	1.57	2.29	ND	1.25	ND	1.24	ND	ND	6.03
T-206				68.58	411.47	4.2	25.07	4.47	ND	3.07	ND	ND	ND	ND	ND	ND	ND	29.49
T-207				66.33	397.98	6.14	31.39	2.99	1.27	10.19	1.51	6.69	0.96	2.54	1.49	ND	0.6	3.85
T-208				1857.88	11147.26	347.67	31.59	109.5	99.87	84.53	110.48	28.66	67.07	2.96	43.32	10.99	19.92	229.77
T-209				69.94	419.63	5.07	18.64	4.72	1.78	2.01	3.07	1.42	1.72	ND	1.47	ND	ND	3.26
T-210				34.88	209.27	4.47	3.06	2.99	ND	7.99	ND	ND	ND	1.41	0.83	ND	ND	1.49
T-211				18.55	111.27	6.71	28.66	1.72	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7
T-212				1217.14	7302.84	83.03	27.91	21.67	89.18	21.47	140.42	2.65	100.23	1.73	95.35	12.7	6.4	19.48
T-213				1020.87	6125.21	54.58	77.48	16.78	55.13	15.86	94.06	3.45	63.94	5.73	59.63	9.19	4.91	22.76
T-214				ND	ND	3.37	ND	3.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301				31.66	189.95	7.2	ND	ND	ND	2.45	ND	3.02	ND	ND	ND	ND	ND	1.35
T-302				12.7	76.18	3.62	24.32	2.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303				12.29	73.76	2.87	25.21	2.43	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304				285.66	1713.95	4.47	24.03	1.69	0.77	ND	ND	ND	ND	ND	2.68	ND	ND	5.28
T-305				131.45	788.69	2.55	ND	ND	ND	ND	ND	96.02	ND	ND	ND	ND	ND	ND
T-306				93.59	561.56	13.53	28.26	2.41	ND	8.67	0.64	0.96	ND	ND	0.7	1.33	ND	4.15
T-307				24.16	144.96	23.06	13.49	2.13	ND	2.18	ND	ND	ND	ND	ND	ND	ND	ND
T-308				844.11	5064.69	ND	ND	139.56	20.13	53.36	28.73	51.07	22.08	83.49	9.32	ND	74.96	ND
T-309				45.53	273.17	8.58	27.51	1.42	ND	ND	ND	ND	0.91	ND	2.9	ND	ND	3.17
T-310				38.58	231.49	2.87	21.29	2.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311				35.66	213.94	7.7	24.56	ND	ND	1.81	0.62	1.03	ND	ND	ND	ND	ND	0.84
T-312				12.38	74.26	3.72	27.1	2.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313				8.22	49.29	4.17	12.4	2.07	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314				ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401				10.63	63.8	2.97	23.64	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402				47.36	284.18	21.06	31.8	1.79	1.27	11.49	ND	2.83	ND	ND	ND	3.55	ND	ND
T-403				35.67	214.04	5.98	22.58	ND	0.59	2.23	ND	ND	ND	ND	ND	16.46	ND	ND
T-404				96.52	579.12	20.22	5.64	8.35	5.67	15.54	1.35	9.06	0.58	ND	2.01	6.53	0.95	2.94
T-405				37.59	225.55	2.9	26.45	ND	ND	ND	ND	ND	ND	ND	ND	17.87	ND	ND
T-406				19.27	115.63	ND	2.14	ND	3.77	1.02	ND	1.53	ND	ND	0.51	ND	ND	ND
T-407				19.44	116.64	2.72	21.1	ND	0.85	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408				57.03	342.15	23.39	34.61	5.69	1.64	2.27	ND	2.28	ND	ND	0.54	ND	ND	0.82
T-409				40.62	243.72	2.81	26.09	ND	1.07	ND	ND	ND	ND	ND	ND	18.05	ND	ND
T-410				17.43	104.6	3.59	6.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.01
T-411				96.19	577.13	6.46	15.48	1.46	ND	4.02	ND	ND	0.76	ND	1.1	17.27	ND	ND
T-412				2479.26	14875.57	773.76	310.55	280.21	52.54	349.7	44.97	192.71	24.57	196.36	29.3	71.27	66.29	ND
T-413				2930.58	17583.45	561.37	168.66	177.78	140.34	383.14	68.2	112.81	51.18	146.67	39.64	121.05	133.01	ND
T-414				14.19	85.14	3.37	3.57	2.97	ND	2.24	ND	ND	ND	ND	ND	ND	ND	ND
T-501				33.86	203.18	3.37	7.83	ND	ND	2.29	0.78	ND	0.57	ND	0.63	14.45	ND	1.19
T-502				21.3	127.77	1.56	6.4	ND	ND	ND	ND	ND	ND	ND	ND	12.97	ND	ND
T-503				14.01	84.06	2.05	22.21	2.04	ND	1.43	ND	ND	ND	ND	ND	ND	ND	0.52
T-504				91.08	546.46	22.44	23.81	10.8	1.89	11.05	1.48	8	1.03	6.23	1.36	ND	ND	ND
T-505				30.75	184.5	5.9	24.09	3.47	ND	ND	ND	ND	ND	ND	0.64	ND	ND	2.02
T-506				ND	ND	2.76	ND	1.54	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507				ND	ND	2.81	ND	1.46	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508				ND	ND	2.92	ND	2.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509				12.24	73.47	8.08	ND	7.11	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510				ND	ND	2.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511				ND	ND	1.39	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512				13.14	78.84	3.56	24.69	2.55	ND	1.05	ND	ND	ND	ND	ND	ND	ND	ND
T-513				10.68	64.11	2.8	16.57	1.46	ND	2.63	ND	ND	ND	ND	ND	ND	ND	ND
T-514				ND	ND	2.98	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Compound	CAS	MW	Total Non-Methane Hydrocarbons-C6 TNMHC - C6 86.2	Total Non-Methane Hydrocarbons-C1 TNMHC - C1 16	Propane 74-98-6 44.1	Ethane 74-84-0 30.1	Propene 115-07-1 42.1	Toluene 108-88-3 92.1	n-Butane 106-97-8 58.1	m,p-xylene 108-38-3 106.2	i-Pentane 78-78-4 72.2	Ethylbenzene 100-41-4 106.2	Cyclopentane 287-92-3 70.1	o-xylene 95-47-6 106.2	2,2,4-Trimethylpentane 540-84-1 114.2	n-Heptane 142-82-5 100.2	n-propylbenzene 103-65-1 120.2
MDL (ppbv)																		
T-101				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-102				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-103				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-104				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-105				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-106				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-107				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-108				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-109				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-110				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-111				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-112				19.65	117.9	3.4933333	5.24	3.4933333	1.4971429	2.62	1.31	2.096	1.31	2.096	1.31	1.31	1.4971429	1.1644444
T-113				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-114				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-201				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-202				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-203				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-204				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-205				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-206				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-207				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-208				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-209				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-210				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-211				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-212				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-213				15	90	2.6666667	4	2.6666667	1.1428571	2	1	1.6	1	1.6	1	1	1.1428571	0.8888889
T-214				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-301				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-302				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-303				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-304				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-305				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-306				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-307				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-308				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-309				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-310				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-311				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-312				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-313				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-314				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-401				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-402				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-403				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-404				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-405				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-406				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-407				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-408				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-409				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-410				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-411				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-412				22.65	135.9	4.0266667	6.04	4.0266667	1.7257143	3.02	1.51	2.416	1.51	2.416	1.51	1.51	1.7257143	1.3422222
T-413				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-414				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-501				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-502				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-503				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-504				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-505				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-506				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-507				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-508				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-509				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-510				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-511				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-512				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-513				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444
T-514				7.5	45	1.3333333	2	1.3333333	0.5714286	1	0.5	0.8	0.5	0.8	0.5	0.5	0.5714286	0.4444444

Sample ID	Compound	Total Non-Methane Hydrocarbons-C6	Total Non-Methane Hydrocarbons-C1	Propane	Ethane	Propene	Toluene	n-Butane	m,p-xylene	i-Pentane	Ethylbenzene	Cyclopentane	o-xylene	2,2,4-Trimethylpentane	n-Heptane	n-propylbenzene
	CAS	TNMHC - C6	TNMHC - C1	74-98-6	74-84-0	115-07-1	108-88-3	106-97-8	108-38-3	78-78-4	100-41-4	287-92-3	95-47-6	540-84-1	142-82-5	103-65-1
	MW	86.2	16	44.1	30.1	42.1	92.1	58.1	106.2	72.2	106.2	70.1	106.2	114.2	100.2	120.2
Data Used (ug/m3)																
T-101		53.95	60.08	6.5	41.0	4.3	<1.04E+00	<1.15E+00	<1.05E+00	<1.15E+00	<1.05E+00	<1.11E+00	<1.05E+00	<1.13E+00	<1.14E+00	<1.06E+00
T-102		29.33	32.69	4.7	20.4	4.1	<1.04E+00	<1.15E+00	<1.05E+00	<1.14E+00	<1.05E+00	<1.11E+00	<1.05E+00	<1.13E+00	<1.13E+00	<1.05E+00
T-103		186.65	207.87	14.0	30.6	2.3	<1.04E+00	11.1	6.2	<1.14E+00	<1.05E+00	<1.11E+00	3.8	<1.13E+00	<1.13E+00	19.3
T-104		217.80	242.55	10.3	26.1	<1.12E+00	<1.05E+00	<1.16E+00	<1.06E+00	<1.15E+00	<1.06E+00	<1.12E+00	3.1	46.3	17.1	<1.06E+00
T-105		200.21	222.99	6.0	12.7	<1.10E+00	<1.03E+00	<1.14E+00	<1.04E+00	<1.13E+00	<1.04E+00	<1.10E+00	2.8	<1.12E+00	<1.12E+00	<1.05E+00
T-106		129.98	144.74	<1.15E+00	<1.18E+00	<1.10E+00	<1.03E+00	<1.14E+00	6.9	<1.13E+00	3.4	<1.10E+00	2.8	<1.12E+00	<1.12E+00	<1.05E+00
T-107		138.62	154.38	6.6	28.5	<1.10E+00	<1.03E+00	<1.14E+00	<1.04E+00	<1.13E+00	<1.04E+00	<1.10E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.05E+00
T-108		74.30	82.75	5.1	27.5	<1.09E+00	<1.03E+00	<1.13E+00	<1.04E+00	<1.13E+00	<1.04E+00	<1.09E+00	<1.04E+00	<1.11E+00	<1.12E+00	<1.04E+00
T-109		316.20	352.15	10.8	35.6	<1.07E+00	10.1	7.0	19.7	<1.10E+00	16.0	<1.06E+00	12.4	<1.08E+00	4.1	6.8
T-110		126.61	141.01	5.8	33.7	<1.07E+00	<1.00E+00	<1.11E+00	<1.01E+00	<1.10E+00	<1.01E+00	<1.07E+00	<1.01E+00	<1.09E+00	<1.09E+00	<1.02E+00
T-111		50.11	55.83	6.2	30.7	<1.07E+00	<1.00E+00	<1.11E+00	<1.01E+00	<1.10E+00	<1.01E+00	<1.07E+00	<1.01E+00	<1.09E+00	<1.09E+00	<1.02E+00
T-112		238.49	265.60	12.0	87.1	9.4	14.3	<2.84E+00	8.4	<2.82E+00	8.1	<2.74E+00	6.7	<2.79E+00	<2.80E+00	<2.61E+00
T-113		295.63	329.23	13.6	42.3	2.5	11.0	11.6	21.0	<1.08E+00	16.7	<1.05E+00	12.8	<1.07E+00	<1.07E+00	6.6
T-114		<1.33E+01	<1.48E+01	<1.21E+00	<1.23E+00	<1.15E+00	<1.08E+00	<1.19E+00	<1.09E+00	<1.18E+00	<1.09E+00	<1.15E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.10E+00
T-201		238.34	265.43	6.6	35.4	5.1	2.1	2.8	<1.06E+00	<1.15E+00	<1.06E+00	<1.12E+00	4.3	<1.14E+00	<1.14E+00	19.2
T-202		52.11	58.04	6.9	37.2	<1.12E+00	<1.05E+00	<1.16E+00	<1.06E+00	<1.15E+00	<1.06E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.07E+00
T-203		58.31	64.94	10.4	29.9	2.9	<1.05E+00	3.7	<1.06E+00	<1.15E+00	<1.06E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.06E+00
T-204		16,122.44	17,955.38	322	91	806	2,817	273	1,860	414	1,306	203	627	410	453	164
T-205		178.16	198.41	11.4	30.9	9.6	6.4	3.5	9.3	<1.10E+00	5.1	<1.07E+00	5.0	<1.09E+00	<1.09E+00	27.6
T-206		222.17	247.43	7.0	28.4	7.1	<9.89E-01	6.7	<9.98E-01	<1.09E+00	<9.98E-01	<1.05E+00	<9.98E-01	<1.07E+00	<1.08E+00	133.2
T-207		213.06	237.28	10.1	35.2	4.7	4.4	22.1	6.0	18.0	3.8	6.6	5.9	<1.06E+00	2.2	17.2
T-208		6,049.93	6,737.73	579.2	35.9	174.1	347.5	185.5	443.2	78.2	269.1	7.8	173.8	47.4	75.4	1,043
T-209		227.75	253.64	8.4	21.2	7.5	6.2	4.4	12.3	3.9	6.9	<1.06E+00	5.9	<1.08E+00	<1.08E+00	14.8
T-210		110.17	122.69	7.2	3.4	4.6	<9.64E-01	17.0	<9.73E-01	<1.06E+00	<9.73E-01	3.6	3.2	<1.05E+00	<1.05E+00	6.6
T-211		59.79	66.57	11.1	32.3	2.7	<9.84E-01	<1.09E+00	<9.93E-01	<1.08E+00	<9.93E-01	<1.05E+00	<9.93E-01	<1.07E+00	<1.07E+00	3.1
T-212		3,837.87	4,274.20	133.9	30.7	33.4	300.4	45.6	545.5	7.0	389.4	4.4	370.4	53.1	23.5	85.7
T-213		3,219.00	3,584.95	88.0	85.3	25.8	185.7	33.7	365.4	9.1	248.4	14.7	231.6	38.4	18.0	100.1
T-214		<1.33E+01	<1.48E+01	6.1	<1.23E+00	5.3	<1.08E+00	<1.19E+00	<1.09E+00	<1.18E+00	<1.09E+00	<1.15E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.10E+00
T-301		109.11	121.51	12.7	<1.20E+00	<1.12E+00	<1.05E+00	5.7	<1.06E+00	8.7	<1.06E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	6.5
T-302		43.77	48.73	6.4	29.3	4.9	<1.05E+00	<1.16E+00	<1.06E+00	<1.15E+00	<1.06E+00	<1.12E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.07E+00
T-303		42.90	47.79	5.1	30.7	4.1	<1.07E+00	<1.18E+00	<1.08E+00	<1.17E+00	<1.08E+00	<1.14E+00	<1.08E+00	<1.16E+00	<1.16E+00	<1.08E+00
T-304		988.07	1,100.39	7.9	29.0	2.9	2.8	<1.17E+00	<1.07E+00	<1.16E+00	<1.07E+00	<1.13E+00	11.4	<1.15E+00	<1.15E+00	25.5
T-305		436.31	485.91	4.3	<1.16E+00	<1.08E+00	<1.01E+00	<1.12E+00	<1.02E+00	267.0	<1.02E+00	<1.08E+00	<1.02E+00	<1.10E+00	<1.10E+00	<1.03E+00
T-306		311.19	346.59	23.0	32.8	3.9	<1.02E+00	19.4	2.6	2.7	<1.02E+00	<1.08E+00	2.9	5.9	<1.10E+00	19.2
T-307		80.48	89.62	39.3	15.7	3.5	<1.02E+00	4.9	<1.03E+00	<1.12E+00	<1.03E+00	<1.08E+00	<1.03E+00	<1.10E+00	<1.11E+00	<1.03E+00
T-308		2,856.97	3,181.80	<1.15E+00	<1.18E+00	230.7	72.8	121.7	119.8	144.8	92.1	229.8	38.9	<1.12E+00	294.9	<1.05E+00
T-309		151.39	168.60	14.6	31.9	2.3	<1.02E+00	<1.12E+00	<1.02E+00	<1.11E+00	3.7	<1.08E+00	11.9	<1.10E+00	<1.10E+00	14.7
T-310		126.72	141.13	4.8	24.4	4.3	<1.00E+00	<1.11E+00	<1.01E+00	<1.10E+00	<1.01E+00	<1.07E+00	<1.01E+00	<1.09E+00	<1.09E+00	<1.02E+00
T-311		118.78	132.27	13.1	28.6	<1.08E+00	<1.02E+00	4.1	2.5	2.9	<1.03E+00	<1.08E+00	<1.03E+00	<1.10E+00	<1.11E+00	3.9
T-312		40.81	45.43	6.3	31.2	4.8	<1.01E+00	<1.11E+00	<1.02E+00	<1.10E+00	<1.02E+00	<1.07E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.02E+00
T-313		27.09	30.16	7.0	14.3	3.3	<1.01E+00	<1.11E+00	<1.02E+00	<1.10E+00	<1.02E+00	<1.07E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.02E+00
T-314		<1.33E+01	<1.48E+01	<1.21E+00	<1.23E+00	<1.15E+00	<1.08E+00	<1.19E+00	<1.09E+00	<1.18E+00	<1.09E+00	<1.15E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.10E+00
T-401		36.30	40.44	5.2	28.2	<1.11E+00	<1.04E+00	<1.15E+00	<1.05E+00	<1.14E+00	<1.05E+00	<1.11E+00	<1.05E+00	<1.13E+00	<1.13E+00	<1.06E+00
T-402		159.44	177.58	36.3	37.4	2.9	4.6	26.1	<1.04E+00	8.0	<1.04E+00	<1.10E+00	<1.04E+00	15.8	<1.12E+00	<1.04E+00
T-403		119.02	132.57	10.2	26.3	<1.09E+00	2.1	5.0	<1.03E+00	<1.12E+00	<1.03E+00	<1.09E+00	<1.03E+00	72.8	<1.11E+00	<1.03E+00
T-404		325.52	362.52	34.9	6.6	13.8	20.4	35.3	5.6	25.6	2.4	<1.10E+00	8.4	29.2	3.7	13.8
T-405		123.90	137.99	4.9	30.4	<1.07E+00	<1.01E+00	<1.11E+00	<1.02E+00	<1.10E+00	<1.02E+00	<1.07E+00	<1.02E+00	78.0	<1.09E+00	<1.02E+00
T-406		62.86	70.01	<1.11E+00	2.4	<1.06E+00	13.1	2.2	<1.00E+00	4.2	<1.00E+00	<1.06E+00	2.0	<1.08E+00	<1.08E+00	<1.01E+00
T-407		63.85	71.11	4.6	24.2	<1.07E+00	3.0	<1.11E+00	<1.01E+00	<1.10E+00	<1.01E+00	<1.07E+00	<1.01E+00	<1.09E+00	<1.09E+00	<1.02E+00
T-408		191.31	213.04	40.1	40.5	9.3	5.9	5.1	<1.03E+00	6.4	<1.03E+00	<1.09E+00	2.2	<1.11E+00	<1.11E+00	3.8
T-409		133.19	148.33	4.7	29.9	<1.07E+00	3.7	<1.11E+00	<1.01E+00	<1.10E+00	<1.01E+00	<1.07E+00	<1.01E+00	78.4	<1.09E+00	<1.02E+00
T-410		57.35	63.88	6.0	7.1	<1.07E+00	<1.00E+00	<1.11E+00	<1.01E+00	<1.10E+00	<1.01E+00	<1.07E+00	<1.01E+00	<1.09E+00	<1.09E+00	4.6
T-411		312.15	347.64	10.7	17.5	2.3	<9.91E-01	8.8	<1.00E+00	<1.09E+00	3.0	<1.06E+00	4.4	74.2	<1.08E+00	<1.01E+00
T-412		8,243.73	9,180.96	1,316.3	360.6	455.1	186.7	783.7	184.2	536.7	100.7	531.0	120.0	314.0	256.2	<3.11E+00
T-413		9,744.41	10,852.22	955.0	195.8	288.7	498.6	858.7	279.4	314.2	209.7	396.6	162.4	533.2	514.1	<1.03E+00
T-414		50.18	55.89	6.1	4.4	5.1	<1.08E+00	5.3	<1.09E+00	<1.18E+00	<1.09E+00	<1.15E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.10E+00
T-501		115.85	129.03	5.9	9.4	<1.11E+00	<1.04E+00	5.3	3.3	<1.15E+00	2.4	<1.11E+00	2.7	65.5	<1.14E+00	5.7
T-502		72.35	80.56	2.7	7.6	<1.11E+00	<1.04E+00	<1.14E+00	<1.05E+00	<1.14E+00	<1.05E+00	<1.10E+00	<1.05E+00	58.4	<1.13E+00	<1.05E+00
T-503		47.50	52.90	3.6	26.3	3.4	<1.04E+00	3.3	<1.04E+00	<1.14E+00	<1.04E+00	<1.10E+00	<1.04E+00	<1.12E+00	<1.13E+00	2.5
T-504		306.08	340.86	38.6	27.9	17.7	6.8	25.0	6.1	22.5	4.3	17.0	5.6	<1.11E+00	<1.12E+00	<1.04E+00
T-505		98.44	109.63	9.7	26.9	5.4	<9.77E-01	<1.08E+00	<9.86E-01	<1.07E+00	<9.86E-01	<1.04E+00	2.5	<1.06E+00	<1.06E+00	9.0
T-506		<1.21E+01	<1.34E+01	4.5	<1.12E+00	2.4	<9.82E-01	<1.08E+00	<9.91E-01	<1.08E+00	<9.91E-01	<1.05E+00	<9.91E-01	<1.07E+00	<1.07E+00	<9.97E-01
T-507		<1.21E+01	<1.34E+01	4.6	<1.12E+00	2.3	<9.82E-01	<1.08E+00	<9.91E-01	<1.08E+00	<9.91E-01	<1.05E+00	<9.91E-01	<1.07E+00	<1.07E+00	<9.97E-01
T-508		<1.21E+01	<1.35E+01	4.8	<1.13E+00	3.3	<9.87E-01	<1.09E+00	<9.96E-01	<1.08E+00	<9.96E-01	<1.05E+00	<9.96E-01	<1.07E+00	<1.07E+00	<1.00E+00
T-509		40.41	45.03	13.6	<1.15E+00	11.5	<1.01E+00	<1.11E+00	<1.02E+00	<1.11E+00	<1.02E+00	<1.07E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.02E+00
T-510		<1.23E+01	<1.37E+01	4.7	<1.14E+00	<1.07E+00	<1.00E+00	<1.11E+00	<1.01E+00	<1.10E+00	<1.01E+00	<1.07E+00	<1.01E+00	<1.09E+00	<1.09E+00	<1.02E+00
T-511		<1.24E+01	<1.38E+01	2.3	<1.15E+00	<1.08E+00	<1.01E+00	<1.11E+00	<1.02E+00	<1.11E+00	<1.02E+00	<1.07E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.02E+00
T-512		42.79	47.65	5.9	28.1	4.1	<9.94E-01	2.3	<1.00E+00	<1.09E+00	<1.00E+00	<1.06E+00	<1.00E+00	<1.08E+00	<1.08E+00	<1.01E+00
T-513		34.78	38.75	4.7	18.8	2.3	<9.94E-01	5.8	<1.00E+00	<1.09E+00	<1.00E+00	<1.06E+00	<1.00E+00	<1.08E+00	<1.08E+00	<1.01E+00
T-514		<1.33E+01	<1.48E+01	5.4	<1.23E+00	<1.15E+00	<1.08E+00	<1.19E+00	<1.09E+00	<1.18E+00	<1.09E+00	<1.15E+00	<1.09E+00	<1.17E+00	<1.17E+00	<1.10E+00

Compound	Total Non-Methane Hydrocarbons-C6	Total Non-Methane Hydrocarbons-C1	Propane	Ethane	Propene	Toluene	n-Butane	m,p-xylene	i-Pentane	Ethylbenzene	Cyclopentane	o-xylene	2,2,4-Trimethylpentane	n-Heptane	n-propylbenzene
CAS	TNMHC - C6	TNMHC - C1	74-98-6	74-84-0	115-07-1	108-88-3	106-97-8	108-38-3	78-78-4	100-41-4	287-92-3	95-47-6	540-84-1	142-82-5	103-65-1
Sample ID MW	86.2	16	44.1	30.1	42.1	92.1	58.1	106.2	72.2	106.2	70.1	106.2	114.2	100.2	120.2
Flux (mg/m2-min)															
T-101	0.00222	0.00247	0.00027	0.00169	0.00018	<4.30E-05	<4.75E-05	<4.34E-05	<4.72E-05	<4.34E-05	<4.58E-05	<4.34E-05	<4.66E-05	<4.68E-05	<4.36E-05
T-102	0.00103	0.00114	0.00017	0.00072	0.00014	<3.64E-05	<4.02E-05	<3.67E-05	<3.99E-05	<3.67E-05	<3.88E-05	<3.67E-05	<3.95E-05	<3.96E-05	<3.69E-05
T-103	0.00703	0.00783	0.00053	0.00115	0.00009	<3.91E-05	0.00042	0.00023	<4.29E-05	<3.95E-05	<4.17E-05	0.00014	<4.25E-05	<4.26E-05	0.00073
T-104	0.00804	0.00896	0.00038	0.00097	<4.13E-05	<3.87E-05	<4.27E-05	<3.91E-05	<4.25E-05	<3.91E-05	<4.13E-05	0.00011	0.00171	0.00063	<3.93E-05
T-105	0.00728	0.00810	0.00022	0.00046	<4.00E-05	<3.75E-05	<4.14E-05	<3.78E-05	<4.11E-05	<3.78E-05	<3.99E-05	0.00010	<4.07E-05	<4.08E-05	<3.80E-05
T-106	0.00461	0.00513	<4.08E-05	<4.17E-05	<3.89E-05	<3.65E-05	<4.03E-05	0.00024	<4.00E-05	0.00012	<3.89E-05	0.00010	<3.96E-05	<3.97E-05	<3.70E-05
T-107	0.00513	0.00572	0.00024	0.00106	<4.07E-05	<3.82E-05	<4.22E-05	<3.85E-05	<4.19E-05	<3.85E-05	<4.07E-05	<3.85E-05	<4.14E-05	<4.16E-05	<3.88E-05
T-108	0.00368	0.00409	0.00025	0.00136	<5.41E-05	<5.07E-05	<5.60E-05	<5.12E-05	<5.57E-05	<5.12E-05	<5.41E-05	<5.12E-05	<5.51E-05	<5.52E-05	<5.15E-05
T-109	0.01486	0.01655	0.00051	0.00168	<5.01E-05	0.00048	0.00033	0.00093	<5.16E-05	0.00075	<5.01E-05	0.00058	<5.10E-05	0.00019	0.00032
T-110	0.00473	0.00527	0.00022	0.00126	<4.00E-05	<3.75E-05	<4.14E-05	<3.79E-05	<4.12E-05	<3.79E-05	<4.00E-05	<3.79E-05	<4.07E-05	<4.08E-05	<3.81E-05
T-111	0.00272	0.00302	0.00034	0.00166	<5.80E-05	<5.44E-05	<6.01E-05	<5.49E-05	<5.97E-05	<5.49E-05	<5.80E-05	<5.49E-05	<5.90E-05	<5.92E-05	<5.52E-05
T-112	0.00906	0.01009	0.00046	0.00331	0.00036	0.00054	<1.08E-04	0.00032	<1.07E-04	0.00031	<1.04E-04	0.00025	<1.06E-04	<1.06E-04	<9.92E-05
T-113	0.01225	0.01364	0.00056	0.00175	0.00010	0.00046	0.00048	0.00087	<4.47E-05	0.00069	<4.34E-05	0.00053	<4.42E-05	<4.43E-05	0.00028
T-114	<5.05E-04	<5.62E-04	<4.59E-05	<4.70E-05	<4.38E-05	<4.11E-05	<4.53E-05	<4.14E-05	<4.51E-05	<4.14E-05	<4.38E-05	<4.14E-05	<4.46E-05	<4.47E-05	<4.17E-05
T-201	0.00883	0.00983	0.00024	0.00131	0.00019	0.00008	0.00010	<3.92E-05	<4.26E-05	<3.92E-05	<4.14E-05	0.00016	<4.21E-05	<4.22E-05	0.00071
T-202	0.00207	0.00231	0.00028	0.00148	<4.47E-05	<4.19E-05	<4.62E-05	<4.23E-05	<4.60E-05	<4.23E-05	<4.46E-05	<4.23E-05	<4.54E-05	<4.56E-05	<4.25E-05
T-203	0.00251	0.00279	0.00045	0.00128	0.00012	<4.51E-05	0.00016	<4.55E-05	<4.95E-05	<4.55E-05	<4.80E-05	<4.55E-05	<4.89E-05	<4.91E-05	<4.58E-05
T-204	0.62418	0.69515	0.01245	0.00352	0.03122	0.10905	0.01057	0.07201	0.01604	0.05055	0.00785	0.02428	0.01587	0.01756	0.00633
T-205	0.00970	0.01081	0.00062	0.00168	0.00052	0.00035	0.00019	0.00050	<5.99E-05	0.00028	<5.82E-05	0.00027	<5.93E-05	<5.94E-05	0.00150
T-206	0.01303	0.01451	0.00041	0.00166	<5.80E-05	0.00041	<5.80E-05	0.00039	<5.85E-05	<6.37E-05	<5.85E-05	<6.18E-05	<5.85E-05	<6.29E-05	<6.31E-05	0.00781
T-207	0.01512	0.01684	0.00072	0.00250	0.00033	0.00031	0.00157	0.00042	0.00128	0.00027	0.00047	0.00042	<7.55E-05	0.00016	0.00122
T-208	0.49189	0.54781	0.04709	0.00292	0.01416	0.02825	0.01508	0.03604	0.00636	0.02188	0.00064	0.01413	0.00385	0.00613	0.08483
T-209	0.01506	0.01677	0.00056	0.00140	0.00050	0.00041	0.00029	0.00081	0.00026	0.00046	<7.00E-05	0.00039	<7.13E-05	<7.15E-05	0.00098
T-210	0.00840	0.00935	0.00055	0.00026	0.00035	<7.35E-05	0.00130	<7.42E-05	<8.07E-05	<7.42E-05	0.00028	0.00025	<7.97E-05	<8.00E-05	0.00050
T-211	0.00472	0.00525	0.00087	0.00255	0.00021	<7.76E-05	<8.57E-05	<7.83E-05	<8.52E-05	<7.83E-05	<8.27E-05	<7.83E-05	<8.42E-05	<8.45E-05	0.00025
T-212	0.18399	0.20491	0.00642	0.00147	0.00160	0.01440	0.00219	0.02615	0.00034	0.01867	0.00021	0.01776	0.00254	0.00112	0.00411
T-213	0.15509	0.17273	0.00424	0.00411	0.00125	0.00895	0.00162	0.01761	0.00044	0.01197	0.00071	0.01116	0.00185	0.00087	0.00482
T-214	<5.56E-04	<6.20E-04	0.00026	<5.18E-05	0.00022	<4.53E-05	<5.00E-05	<4.57E-05	<4.97E-05	<4.57E-05	<4.83E-05	<4.57E-05	<4.91E-05	<4.93E-05	<4.60E-05
T-301	0.00396	0.00441	0.00046	<4.37E-05	<4.07E-05	<3.82E-05	0.00021	<3.85E-05	0.00032	<3.85E-05	<4.07E-05	<3.85E-05	<4.14E-05	<4.15E-05	0.00024
T-302	0.00218	0.00243	0.00032	0.00146	0.00025	<5.24E-05	<5.79E-05	<5.29E-05	<5.75E-05	<5.29E-05	<5.58E-05	<5.29E-05	<5.69E-05	<5.70E-05	<5.32E-05
T-303	0.00230	0.00256	0.00027	0.00165	0.00022	<5.71E-05	<6.30E-05	<5.76E-05	<6.26E-05	<5.76E-05	<6.08E-05	<5.76E-05	<6.19E-05	<6.21E-05	<5.79E-05
T-304	0.05781	0.06438	0.00046	0.00170	0.00017	0.00017	<6.82E-05	<6.23E-05	<6.78E-05	<6.23E-05	<6.58E-05	0.00067	<6.70E-05	<6.72E-05	0.00149
T-305	0.02031	0.02262	0.00020	<5.39E-05	<5.03E-05	<4.72E-05	<5.21E-05	<4.76E-05	0.01243	<4.76E-05	<5.03E-05	<4.76E-05	<5.12E-05	<5.13E-05	<4.79E-05
T-306	0.01411	0.01571	0.00104	0.00149	0.00018	<4.60E-05	0.00088	0.00012	0.00012	<4.64E-05	<4.90E-05	0.00013	0.00027	<5.01E-05	0.00087
T-307	0.00425	0.00474	0.00208	0.00083	0.00018	<5.37E-05	0.00026	<5.42E-05	<5.90E-05	<5.42E-05	<5.73E-05	<5.42E-05	<5.83E-05	<5.85E-05	<5.45E-05
T-308	0.12387	0.13796	<5.01E-05	<5.12E-05	0.01000	0.00316	0.00528	0.00519	0.00628	0.00399	0.00996	0.00169	<4.86E-05	0.01279	<4.55E-05
T-309	0.00582	0.00648	0.00056	0.00123	0.00009	<3.90E-05	<4.31E-05	<3.94E-05	<4.28E-05	0.00014	<4.16E-05	0.00046	<4.24E-05	<4.25E-05	0.00057
T-310	0.00709	0.00790	0.00027	0.00137	0.00024	<5.61E-05	<6.19E-05	<5.66E-05	<6.16E-05	<5.66E-05	<5.98E-05	<5.66E-05	<6.09E-05	<6.10E-05	<5.69E-05
T-311	0.00779	0.00867	0.00086	0.00187	<7.11E-05	<6.67E-05	0.00027	0.00017	0.00019	<6.73E-05	<7.10E-05	<6.73E-05	<7.23E-05	<7.25E-05	0.00026
T-312	0.00196	0.00218	0.00030	0.00150	0.00023	<4.82E-05	<5.33E-05	<4.87E-05	<5.29E-05	<4.87E-05	<5.14E-05	<4.87E-05	<5.23E-05	<5.25E-05	<4.90E-05
T-313	0.00109	0.00121	0.00028	0.00057	0.00013	<4.03E-05	<4.45E-05	<4.07E-05	<4.43E-05	<4.07E-05	<4.30E-05	<4.07E-05	<4.38E-05	<4.39E-05	<4.09E-05
T-314	<6.03E-04	<6.72E-04	<5.48E-05	<5.62E-05	<5.24E-05	<4.91E-05	<5.42E-05	<4.95E-05	<5.39E-05	<4.95E-05	<5.23E-05	<4.95E-05	<5.33E-05	<5.34E-05	<4.98E-05
T-401	0.00131	0.00146	0.00019	0.00101	<4.00E-05	<3.75E-05	<4.14E-05	<3.78E-05	<4.12E-05	<3.78E-05	<4.00E-05	<3.78E-05	<4.07E-05	<4.08E-05	<3.81E-05
T-402	0.00589	0.00656	0.00134	0.00138	0.00011	0.00017	0.00096	<3.83E-05	0.00029	<3.83E-05	<4.05E-05	<3.83E-05	0.00058	<4.13E-05	<3.85E-05
T-403	0.00488	0.00544	0.00042	0.00108	<4.46E-05	0.00009	0.00021	<4.22E-05	<4.59E-05	<4.22E-05	<4.45E-05	<4.22E-05	0.00299	<4.55E-05	<4.24E-05
T-404	0.01613	0.01796	0.00173	0.00033	0.00068	0.00101	0.00175	0.00028	0.00127	0.00012	<5.44E-05	0.00041	0.00145	0.00018	0.00069
T-405	0.00517	0.00576	0.00020	0.00127	<4.48E-05	<4.20E-05	<4.64E-05	<4.24E-05	<4.61E-05	<4.24E-05	<4.48E-05	<4.24E-05	0.00326	<4.57E-05	<4.26E-05
T-406	0.00236	0.00263	<4.18E-05	0.00009	<3.99E-05	0.00049	0.00008	<3.77E-05	0.00016	<3.77E-05	<3.99E-05	0.00008	<4.06E-05	<4.07E-05	<3.80E-05
T-407	0.00236	0.00263	0.00017	0.00089	<3.95E-05	0.00011	<4.09E-05	<3.74E-05	<4.07E-05	<3.74E-05	<3.95E-05	<3.74E-05	<4.02E-05	<4.03E-05	<3.76E-05
T-408	0.00714	0.00795	0.00150	0.00151	0.00035	0.00022	0.00019	<3.86E-05	0.00024	<3.86E-05	<4.07E-05	0.00008	<4.15E-05	<4.16E-05	0.00014
T-409	0.00631	0.00703	0.00022	0.00142	<5.06E-05	0.00018	<5.24E-05	<4.79E-05	<5.21E-05	<4.79E-05	<5.05E-05	<4.79E-05	0.00372	<5.16E-05	<4.81E-05
T-410	0.00257	0.00287	0.00027	0.00032	<4.81E-05	<4.51E-05	<4.97E-05	<4.55E-05	<4.95E-05	<4.55E-05	<4.80E-05	<4.55E-05	<4.89E-05	<4.90E-05	0.00021
T-411	0.01689	0.01881	0.00058	0.00095	0.00013	<5.36E-05	0.00048	<5.41E-05	<5.88E-05	0.00016	<5.71E-05	0.00024	0.00402	<5.83E-05	<5.44E-05
T-412	0.30077	0.33497	0.04802	0.01316	0.01660	0.00681	0.02859	0.00672	0.01958	0.00367	0.01937	0.00438	0.01145	0.00935	<1.14E-04
T-413	0.35241	0.39248	0.03454	0.00708	0.01044	0.01803	0.03105	0.01010	0.01136	0.00758	0.01434	0.00587	0.01929	0.01859	<3.73E-05
T-414	0.00163	0.00182	0.00020	0.00014	0.00017	<3.52E-05	0.00017	<3.55E-05	<3.86E-05	<3.55E-05	<3.75E-05	<3.55E-05	<3.82E-05	<3.83E-05	<3.57E-05
T-501	0.00663	0.00738	0.00034	0.00054	<6.37E-05	<5.98E-05	0.00030	0.00019	<6.56E-05	0.00014	<6.37E-05	0.00015	0.00375	<6.50E-05	0.00032
T-502	0.00401	0.00447	0.00015	0.00042	<6.13E-05	<5.75E-05	<6.35E-05	<5.80E-05	<6.31E-05	<5.80E-05	<6.13E-05	<5.80E-05	0.00324	<6.26E-05	<5.84E-05
T-503	0.00199	0.00222	0.00015	0.00110	0.00014	<4.34E-05	0.00014	<4.37E-05	<4.76E-05	<4.37E-05	<4.62E-05	<4.37E-05	<4.70E-05	<4.72E-05	0.00010
T-504	0.01464	0.01630	0.00184	0.00134	0.00085	0.00032	0.00120	0.00029	0.00108	0.00020	0.00081	0.00027	<5.32E-05	<5.34E-05	<4.98E-05
T-505	0.00555	0.00618	0.00054	0.00152	0.00031	<5.51E-05	<6.08E-05	<5.56E-05	<6.04E-05	<5.56E-05	<5.87E-05	0.00014	<5.98E-05	<5.99E-05	0.00051
T-506	<7.02E-04	<7.82E-04	0.00026	<6.54E-05	0.00014	<5.72E-05	<6.31E-05	<5.77E-05	<6.27E-05	<5.77E-05	<6.09E-05	<5.77E-05	<6.20E-05	<6.22E-05	<5.80E-05
T-507	<6.27E-04	<6.98E-04	0.00024	<5.84E-05	0.00012	<5.10E-05	<5.63E-05	<5.15E-05	<5.60E-05	<5.15E-05	<5.44E-05	<5.15E-05	<5.54E-05	<5.55E-05	<5.18E-05
T-508	<5.66E-04	<6.30E-04	0.00023	<5.27E-05	0.00016	<4.61E-05	<5.08E-05	<4.65E-05	<5.05E-05	<4.65E-05	<4.91E-05	<4.65E-05	<5.00E-05	<5.01E-05	<4.67E-05
T-509	0.00155	0.00173	0.00052	<4.42E-05	0.00044	<3.87E-05	<4.27E-05	<3.90E-05	<4.25E-05	<3.90E-05	<4.12E-05	<3.90E-05	<4.20E-05	<4.21E-05	<3.93E-05
T-510	<5.55E-04	<6.18E-04	0.00021	<5.17E-05	<4.82E-05	<4.52E-05	<4.99E-05	<4.56E-05	<4.96E-05	<4.56E-05	<4.81E-05	<4.56E-05	<4.90E-05	<4.91E-05	<4.59E-05
T-511	<4.54E-04	<5.06E-04	0.00009	<4.23E-05	<3.94E-05	<3.70E-05	<4.08E-05	<3.73E-05	<4.06E-05	<3.73E-05	<3.94E-05	<3.73E-05	<4.01E-05	<4.02E-05	<3.75E-05
T-512	0.00258	0.00288	0.00036	0.00170	0.00024	<6.00E-05	0.00014	<6.06E-05	<6.59E-05	<6.06E-05	<6.40E-05	<6.06E-05	<6.51E-05	<6.53E-05	<6.09E-05
T-513	0.00179	0.00200	0.00024	0.00097	0.00012	<5.12E-05	0.00030	<5.17E-05	<5.62E-05	<5.17E-05	<5.46E-05	<5.17E-05	<5.56E-05	<5.57E-05	<5.20E-05
T-514	<5.85E-04	<6.52E-04	0.0002	<5.45E-05	<5.08E-05	<4.77E-05	<5.26E-05	<4.81E-05	<5.23E-05	<4.81E-05	<5.08E-05	<4.81E-05	<5.17E-05	<5.18E-05	<4.84E-05

Compound	Ethene	n-Hexane	Methylcyclohexane	n-Decane	3-Methylpentane	1,3-Diethylbenzene	1,2,4-Trimethylbenzene	4-Ethyltoluene	n-Nonane	n-Pentane	Cyclohexane	2-Ethyltoluene	Benzene	1-Pentene	2-Methylpentane	c-2-Pentene
CAS	74-85-1	110-54-3	108-87-2	124-18-5	96-14-0	141-93-5	95-63-6	622-96-8	111-84-2	109-66-0	110-82-7	611-14-3	71-43-2	109-67-1	107-83-5	627-20-3
Sample ID MW	28.1	86.2	98.2	142.3	86.2	134.2	120.2	120.2	128.3	72.1	84.2	120.2	78.1	70.1	86.2	70.1
Lab Data (ppbv)																
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	1.13	0.7	1.4	0.54	0.71	ND	ND	ND	7.53	ND	ND	ND	ND
T-104	5.32	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.98	ND	ND	ND	ND	ND
T-105	18.56	12.19	ND	0.69	5.22	0.71	1.08	0.92	ND	ND	ND	1.21	ND	1.76	ND	
T-106	ND	ND	ND	0.46	ND	0.69	ND	1.24	0.58	20.63	3.84	ND	ND	ND	ND	ND
T-107	ND	17.31	ND	ND	3.73	ND	ND	ND	ND	1.55	ND	ND	ND	ND	1.76	ND
T-108	ND	5.21	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND	1.95	0.84	ND
T-109	ND	ND	ND	6.72	ND	ND	8.32	4.48	2.25	ND	ND	1.61	7.47	ND	ND	ND
T-110	ND	14.59	ND	0.82	1.11	1.6	0.46	ND	ND	ND	ND	ND	0.87	ND	ND	ND
T-111	ND	1.18	ND	ND	0.96	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	3.45	ND	ND	4.43	1.9	1.26	ND	ND	ND	4.87	ND	ND	ND
T-113	ND	ND	ND	5.16	ND	ND	7.42	3.93	2.32	ND	ND	1.35	7.47	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	2.56	ND	ND	ND	4.07	1.06	2.77	0.54	ND	ND	ND	7.36	ND	ND	ND	ND
T-202	ND	0.79	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	164.19	38.93	90.48	190.15	64.79	ND	ND	49.15	132.9	29.16	34.75	33.63	52.31	26.9	16.97	5.15
T-205	2.85	ND	ND	ND	ND	6.6	0.49	1.53	ND	ND	ND	ND	ND	ND	ND	ND
T-206	ND	1.52	ND	ND	0.95	ND	ND	0.9	ND	ND	ND	ND	ND	ND	ND	ND
T-207	ND	0.71	ND	ND	3.21	ND	ND	1.98	ND	ND	0.72	0.49	1.07	ND	ND	ND
T-208	8.71	3.56	5.95	17.38	6.44	195.35	61.65	51.34	29.86	5.92	4.02	14.95	4.64	5.72	3.26	0.93
T-209	ND	1.04	ND	0.57	2.87	ND	1.06	1.45	0.5	ND	ND	0.59	2.69	ND	ND	ND
T-210	24.96	1.05	ND	ND	2.66	ND	1.63	1.34	ND	ND	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	0.81	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212	6.24	4.67	11.47	39.45	3.69	17.25	60.06	26.95	12.74	4.26	2.84	56.71	4.22	4.19	2.57	1.06
T-213	ND	4.92	8.45	41.66	2.59	34.37	64.21	18.62	7.06	4.87	2.3	39.24	7.09	6.13	2.41	3.02
T-214	ND	0.82	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	24.63	ND	ND	ND	2.14	ND	ND	ND	ND	ND	ND	1.71	ND	ND	ND	ND
T-302	ND	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	ND	ND	ND	0.62	1.03	0.74	0.57	82.23	1.14	ND	ND	ND	ND	143.62
T-305	2.4	28.32	ND	ND	5.89	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.87	ND
T-306	ND	ND	ND	2.29	4.55	2.53	1.23	0.86	ND	ND	1.65	7.77	0.78	0.82	ND	ND
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.38	ND	ND
T-308	ND	59.51	27	ND	4.96	0.63	3.31	5.34	3.01	18.29	51.25	ND	22.04	4.67	ND	ND
T-309	2.49	ND	0.88	ND	ND	1.12	1.39	ND	ND	ND	ND	ND	ND	ND	0.89	ND
T-310	ND	0.92	ND	ND	12.82	ND	0.83	ND	ND	ND	ND	ND	1.3	ND	ND	ND
T-311	ND	4.76	ND	ND	2.7	ND	1.14	ND	ND	ND	ND	0.55	ND	ND	ND	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	3.61	ND	ND	ND	ND	ND	ND	ND	ND	0.94	0.74	0.47	ND	1.08	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404	30.04	1.28	2.47	ND	0.94	0.6	1.37	ND	ND	1.63	2.24	0.62	1.21	2.63	0.91	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	0.7	ND	0.42	2.35	ND	0.89	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	2.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7	ND
T-408	12.64	ND	2.36	ND	1.24	ND	0.46	ND	ND	1.74	1.55	0.52	ND	1.55	1.33	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	13.63	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.53	0.75	ND	ND	ND
T-411	ND	ND	ND	ND	27.75	ND	1.13	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	41.9	58.64	ND	68.91	11.36	35.74	73.9	16.21	7.24	22.11	20.19	27.04	68.9	65.87	33.91
T-413	2.45	98.5	119.43	ND	63.55	19.99	25.1	7.15	19.66	43.8	78.57	16.04	53.73	68.5	92.04	3.63
T-414	23.92	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	2.17	6.44	ND	ND	ND	0.87	ND	ND	ND	1.18	2.56	ND	2.26	1	ND	ND
T-505	2.78	ND	ND	ND	ND	0.85	1.13	ND	ND	ND	ND	ND	ND	ND	ND	2.84
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound	Ethene	n-Hexane	Methylcyclohexane	n-Decane	3-Methylpentane	1,3-Diethylbenzene	1,2,4-Trimethylbenzene	4-Ethyltoluene	n-Nonane	n-Pentane	Cyclohexane	2-Ethyltoluene	Benzene	1-Pentene	2-Methylpentane	c-2-Pentene
CAS	74-85-1	110-54-3	108-87-2	124-18-5	96-14-0	141-93-5	95-63-6	622-96-8	111-84-2	109-66-0	110-82-7	611-14-3	71-43-2	109-67-1	107-83-5	627-20-3
Sample ID MW	28.1	86.2	98.2	142.3	86.2	134.2	120.2	120.2	128.3	72.1	84.2	120.2	78.1	70.1	86.2	70.1
MDL (ppbv)																
T-101	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-102	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-103	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-104	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-105	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-106	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-107	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-108	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-109	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-110	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-111	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-112	5.24	1.7466667	1.4971429	1.048	1.7466667	1.048	1.1644444	1.1644444	1.1644444	2.096	1.7466667	1.1644444	1.7466667	2.096	1.7466667	2.096
T-113	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-114	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-201	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-202	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-203	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-204	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-205	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-206	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-207	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-208	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-209	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-210	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-211	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-212	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-213	4	1.3333333	1.1428571	0.8	1.3333333	0.8	0.8888889	0.8888889	0.8888889	1.6	1.3333333	0.8888889	1.3333333	1.6	1.3333333	1.6
T-214	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-301	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-302	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-303	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-304	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-305	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-306	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-307	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-308	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-309	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-310	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-311	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-312	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-313	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-314	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-401	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-402	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-403	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-404	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-405	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-406	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-407	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-408	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-409	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-410	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-411	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-412	6.04	2.0133333	1.7257143	1.208	2.0133333	1.208	1.3422222	1.3422222	1.3422222	2.416	2.0133333	1.3422222	2.0133333	2.416	2.0133333	2.416
T-413	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-414	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-501	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-502	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-503	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-504	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-505	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-506	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-507	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-508	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-509	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-510	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-511	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-512	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-513	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8
T-514	2	0.6666667	0.5714286	0.4	0.6666667	0.4	0.4444444	0.4444444	0.4444444	0.8	0.6666667	0.4444444	0.6666667	0.8	0.6666667	0.8

Sample ID	Compound	Ethene	n-Hexane	Methylcyclohexane	n-Decane	3-Methylpentane	1,3-Diethylbenzene	1,2,4-Trimethylbenzene	4-Ethyltoluene	n-Nonane	n-Pentane	Cyclohexane	2-Ethyltoluene	Benzene	1-Pentene	2-Methylpentane	c-2-Pentene
	CAS	74-85-1	110-54-3	108-87-2	124-18-5	96-14-0	141-93-5	95-63-6	622-96-8	111-84-2	109-66-0	110-82-7	611-14-3	71-43-2	109-67-1	107-83-5	627-20-3
	MW	28.1	86.2	98.2	142.3	86.2	134.2	120.2	120.2	128.3	72.1	84.2	120.2	78.1	70.1	86.2	70.1
Data Used (ug/m3																	
T-101		<1.12E+00	<1.14E+00	<1.11E+00	<1.13E+00	<1.14E+00	<1.07E+00	<1.06E+00	<1.06E+00	<1.13E+00	<1.14E+00	<1.11E+00	<1.06E+00	<1.03E+00	<1.11E+00	<1.14E+00	<1.11E+00
T-102		<1.11E+00	<1.13E+00	<1.11E+00	<1.12E+00	<1.13E+00	<1.06E+00	<1.05E+00	<1.05E+00	<1.13E+00	<1.14E+00	<1.11E+00	<1.05E+00	<1.03E+00	<1.11E+00	<1.13E+00	<1.11E+00
T-103		<1.11E+00	<1.13E+00	<1.11E+00	6.3	2.4	7.4	2.6	3.4	<1.13E+00	<1.14E+00	<1.11E+00	35.7	<1.03E+00	<1.11E+00	<1.13E+00	<1.11E+00
T-104		6.0	<1.14E+00	<1.12E+00	<1.13E+00	<1.14E+00	<1.07E+00	<1.06E+00	<1.06E+00	<1.14E+00	<1.15E+00	16.7	<1.06E+00	<1.04E+00	<1.12E+00	<1.14E+00	<1.12E+00
T-105		20.4	41.2	<1.10E+00	3.8	17.6	3.7	5.1	4.3	<1.12E+00	<1.13E+00	<1.10E+00	<1.05E+00	3.7	<1.10E+00	5.9	<1.10E+00
T-106		<1.10E+00	<1.12E+00	<1.10E+00	2.6	<1.12E+00	3.6	<1.05E+00	5.8	2.9	58.2	12.7	<1.05E+00	<1.02E+00	<1.10E+00	<1.12E+00	<1.10E+00
T-107		<1.10E+00	58.5	<1.10E+00	<1.12E+00	12.6	<1.05E+00	<1.05E+00	<1.05E+00	<1.12E+00	4.4	<1.10E+00	<1.05E+00	<1.02E+00	<1.10E+00	5.9	<1.10E+00
T-108		<1.10E+00	17.5	<1.09E+00	<1.11E+00	3.0	<1.05E+00	<1.04E+00	<1.04E+00	<1.11E+00	<1.12E+00	<1.09E+00	<1.04E+00	<1.01E+00	5.3	2.8	<1.09E+00
T-109		<1.07E+00	<1.09E+00	<1.07E+00	36.3	<1.09E+00	<1.02E+00	38.0	20.4	11.0	<1.10E+00	<1.07E+00	7.3	22.2	<1.06E+00	<1.09E+00	<1.06E+00
T-110		<1.07E+00	48.0	<1.07E+00	4.5	3.7	8.2	2.1	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	2.6	<1.07E+00	<1.10E+00	<1.07E+00
T-111		<1.07E+00	3.9	<1.07E+00	<1.09E+00	3.2	<1.02E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.94E-01	<1.07E+00	<1.10E+00	<1.07E+00
T-112		<2.75E+00	<2.81E+00	<2.74E+00	18.3	<2.81E+00	<2.62E+00	19.9	8.5	6.0	<2.82E+00	<2.74E+00	<2.61E+00	14.2	<2.74E+00	<2.81E+00	<2.74E+00
T-113		<1.05E+00	<1.07E+00	<1.05E+00	27.4	<1.07E+00	<1.00E+00	33.3	17.6	11.1	<1.08E+00	<1.05E+00	6.1	21.8	<1.05E+00	<1.07E+00	<1.05E+00
T-114		<1.15E+00	<1.18E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.18E+00	<1.15E+00	<1.10E+00	<1.07E+00	<1.15E+00	<1.18E+00	<1.15E+00
T-201		2.9	<1.14E+00	<1.12E+00	<1.13E+00	14.0	5.7	13.3	2.6	<1.14E+00	<1.15E+00	<1.12E+00	35.2	<1.04E+00	<1.12E+00	<1.14E+00	<1.12E+00
T-202		<1.12E+00	2.7	<1.12E+00	<1.14E+00	<1.15E+00	<1.07E+00	<1.07E+00	<1.07E+00	<1.14E+00	<1.15E+00	<1.12E+00	<1.07E+00	<1.04E+00	<1.12E+00	<1.15E+00	<1.12E+00
T-203		<1.12E+00	<1.14E+00	<1.12E+00	<1.13E+00	<1.14E+00	<1.07E+00	<1.06E+00	<1.06E+00	<1.14E+00	<1.15E+00	<1.12E+00	<1.06E+00	<1.04E+00	<1.12E+00	<1.14E+00	<1.12E+00
T-204		181	132	349	1,064	219.7	<1.06E+00	<1.05E+00	232.4	670.7	82.7	115.1	159.0	160.7	74.2	57.5	14.2
T-205		3.1	<1.09E+00	<1.07E+00	<1.08E+00	<1.09E+00	33.8	2.2	7.0	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.92E-01	<1.07E+00	<1.09E+00	<1.07E+00
T-206		<1.06E+00	4.9	<1.05E+00	<1.07E+00	3.1	<1.01E+00	<1.00E+00	4.1	<1.07E+00	<1.08E+00	<1.05E+00	<1.00E+00	<9.78E-01	<1.05E+00	<1.08E+00	<1.05E+00
T-207		<1.05E+00	2.3	<1.05E+00	<1.06E+00	10.3	<1.00E+00	<9.95E-01	8.9	<1.06E+00	<1.07E+00	2.3	2.2	3.1	<1.04E+00	<1.07E+00	<1.04E+00
T-208		9.2	11.6	22.1	93.4	21.0	990.4	279.9	233.1	144.7	16.1	12.8	67.9	13.7	15.1	10.6	2.5
T-209		<1.06E+00	3.4	<1.06E+00	3.1	9.3	<1.01E+00	4.8	6.6	2.4	<1.09E+00	<1.06E+00	2.7	7.9	<1.06E+00	<1.09E+00	<1.06E+00
T-210		25.7	3.3	<1.03E+00	<1.04E+00	8.4	<9.83E-01	7.2	5.9	<1.04E+00	<1.06E+00	<1.03E+00	<9.79E-01	<9.54E-01	<1.03E+00	<1.05E+00	<1.03E+00
T-211		<1.05E+00	<1.07E+00	<1.05E+00	<1.06E+00	<1.07E+00	4.1	<9.99E-01	<9.99E-01	<1.07E+00	<1.08E+00	<1.05E+00	<9.99E-01	<9.73E-01	<1.05E+00	<1.07E+00	<1.05E+00
T-212		6.4	14.7	41.2	205.3	11.6	84.7	264.1	118.5	59.8	11.2	8.7	249.3	12.1	10.7	8.1	2.7
T-213		<2.06E+00	15.5	30.4	216.9	8.2	168.7	282.3	81.9	33.1	12.8	7.1	172.5	20.3	15.7	7.6	7.7
T-214		<1.15E+00	2.9	<1.15E+00	<1.17E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.18E+00	<1.15E+00	<1.10E+00	<1.07E+00	<1.15E+00	<1.18E+00	<1.15E+00
T-301		27.7	<1.15E+00	<1.12E+00	<1.14E+00	7.4	<1.07E+00	<1.07E+00	<1.07E+00	<1.14E+00	<1.15E+00	<1.12E+00	8.2	<1.04E+00	<1.12E+00	<1.15E+00	<1.12E+00
T-302		<1.12E+00	2.4	<1.12E+00	<1.14E+00	<1.15E+00	<1.07E+00	<1.07E+00	<1.07E+00	<1.14E+00	<1.15E+00	<1.12E+00	<1.07E+00	<1.04E+00	<1.12E+00	<1.15E+00	<1.12E+00
T-303		<1.14E+00	<1.16E+00	<1.14E+00	<1.15E+00	<1.16E+00	<1.09E+00	<1.08E+00	<1.08E+00	<1.15E+00	<1.17E+00	<1.14E+00	<1.08E+00	<1.05E+00	<1.14E+00	<1.16E+00	<1.14E+00
T-304		<1.13E+00	<1.15E+00	<1.13E+00	<1.14E+00	<1.15E+00	3.3	5.0	3.6	2.9	237.9	3.9	<1.07E+00	<1.04E+00	<1.13E+00	<1.15E+00	404.0
T-305		2.6	94.0	<1.08E+00	<1.10E+00	19.6	<1.03E+00	<1.03E+00	<1.03E+00	<1.10E+00	<1.11E+00	<1.08E+00	<1.03E+00	<1.00E+00	<1.08E+00	9.5	<1.08E+00
T-306		<1.08E+00	<1.11E+00	<1.08E+00	12.6	15.1	13.1	5.7	4.0	<1.10E+00	<1.11E+00	5.4	36.0	2.3	2.2	<1.11E+00	<1.08E+00
T-307		<1.09E+00	<1.11E+00	<1.08E+00	<1.10E+00	<1.11E+00	<1.04E+00	<1.03E+00	<1.03E+00	<1.10E+00	<1.11E+00	<1.08E+00	<1.03E+00	<1.01E+00	6.4	<1.11E+00	<1.08E+00
T-308		<1.10E+00	201.4	104.1	<1.12E+00	16.8	3.3	15.6	25.2	15.2	51.8	169.4	<1.05E+00	67.6	12.9	<1.13E+00	<1.10E+00
T-309		2.7	<1.11E+00	3.3	<1.10E+00	<1.11E+00	5.8	6.4	<1.03E+00	<1.10E+00	<1.11E+00	<1.08E+00	<1.03E+00	<1.00E+00	<1.08E+00	3.0	<1.08E+00
T-310		<1.07E+00	3.0	<1.07E+00	<1.08E+00	42.1	<1.02E+00	3.8	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	3.9	<1.07E+00	<1.09E+00	<1.07E+00
T-311		<1.09E+00	15.9	<1.08E+00	<1.10E+00	9.0	<1.04E+00	5.3	<1.03E+00	<1.10E+00	<1.11E+00	<1.08E+00	2.6	<1.01E+00	<1.08E+00	<1.11E+00	<1.08E+00
T-312		<1.07E+00	<1.10E+00	<1.07E+00	<1.09E+00	<1.10E+00	<1.03E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.95E-01	<1.07E+00	<1.10E+00	<1.07E+00
T-313		<1.07E+00	<1.10E+00	<1.07E+00	<1.09E+00	<1.10E+00	<1.03E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.95E-01	<1.07E+00	<1.10E+00	<1.07E+00
T-314		<1.15E+00	<1.18E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.18E+00	<1.15E+00	<1.10E+00	<1.07E+00	<1.15E+00	<1.18E+00	<1.15E+00
T-401		<1.11E+00	<1.14E+00	<1.11E+00	<1.13E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.06E+00	<1.13E+00	<1.14E+00	<1.11E+00	<1.06E+00	<1.03E+00	<1.11E+00	<1.14E+00	<1.11E+00
T-402		4.0	<1.12E+00	<1.10E+00	<1.11E+00	<1.12E+00	<1.05E+00	<1.04E+00	<1.04E+00	<1.11E+00	2.6	2.4	2.2	<1.02E+00	3.0	<1.12E+00	<1.10E+00
T-403		<1.09E+00	<1.11E+00	<1.09E+00	<1.10E+00	<1.11E+00	<1.04E+00	<1.03E+00	<1.03E+00	<1.10E+00	<1.12E+00	<1.09E+00	<1.03E+00	<1.01E+00	<1.09E+00	<1.11E+00	<1.09E+00
T-404		33.0	4.3	9.5	<1.11E+00	3.2	3.2	6.4	<1.05E+00	<1.12E+00	4.6	7.4	2.9	3.7	7.2	3.1	<1.10E+00
T-405		<1.07E+00	<1.10E+00	<1.07E+00	<1.09E+00	<1.10E+00	<1.03E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.95E-01	<1.07E+00	<1.10E+00	<1.07E+00
T-406		<1.06E+00	2.3	<1.06E+00	2.3	7.7	<1.02E+00	4.0	<1.01E+00	<1.08E+00	<1.09E+00	<1.06E+00	<1.01E+00	<9.85E-01	<1.06E+00	<1.09E+00	<1.06E+00
T-407		<1.07E+00	<1.09E+00	<1.07E+00	<1.08E+00	9.6	<1.02E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.92E-01	<1.07E+00	2.3	<1.07E+00
T-408		13.8	<1.12E+00	9.0	<1.11E+00	4.2	<1.04E+00	2.2	<1.04E+00	<1.11E+00	4.9	5.1	2.4	<1.01E+00	4.2	4.5	<1.09E+00
T-409		<1.07E+00	<1.09E+00	<1.07E+00	<1.08E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.02E+00	<1.08E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.90E-01	<1.07E+00	<1.09E+00	<1.07E+00
T-410		14.6	<1.10E+00	<1.07E+00	<1.09E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.07E+00	7.0	2.2	<1.07E+00	<1.10E+00	<1.07E+00
T-411		<1.06E+00	<1.08E+00	<1.06E+00	<1.07E+00	90.1	<1.01E+00	5.1	<1.01E+00	<1.07E+00	<1.09E+00	<1.06E+00	<1.01E+00	<9.80E-01	<1.06E+00	<1.08E+00	<1.06E+00
T-412		<3.27E+00	139.3	222.1	<3.32E+00	229.1	58.8	165.7	342.6	80.2	20.1	71.8	93.6	81.5	186.3	219.0	91.7
T-413		2.7	327.5	452.4	<1.10E+00	211.3	103.5	116.4	33.2	97.3	121.8	255.2	74.4	161.9	185.2	306.0	9.8
T-414		27.6	<1.18E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.18E+00	<1.15E+00	<1.10E+00	<1.07E+00	<1.15E+00	<1.18E+00	<1.15E+00
T-501		<1.12E+00	<1.14E+00	<1.11E+00	<1.13E+00	<1.14E+00	<1.07E+00	<1.06E+00	<1.06E+00	<1.13E+00	<1.14E+00	<1.11E+00	<1.06E+00	<1.03E+00	<1.11E+00	<1.14E+00	<1.11E+00
T-502		<1.11E+00	<1.13E+00	<1.11E+00	<1.12E+00	<1.13E+00	<1.06E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.14E+00	<1.11E+00	<1.05E+00	<1.03E+00	<1.10E+00	<1.13E+00	<1.10E+00
T-503		3.3	<1.13E+00	<1.10E+00	<1.12E+00	<1.13E+00	<1.06E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.13E+00	<1.10E+00	<1.05E+00	<1.02E+00	<1.10E+00	<1.13E+00	<1.10E+00
T-504		2.4	21.6	<1.09E+00	<1.11E+00	<1.12E+00	4.6	<1.04E+00	<1.04E+00	<1.11E+00	3.3	8.4	<1.04E+00	6.9	2.7	<1.12E+00	<1.09E+00
T-505		2.9	<1.07E+00	<1.04E+00	<1.06E+00	<1.07E+00	4.2	5.0	<9.92E-01	<1.06E+00	<1.07E+00	<1.04E+00	<9.92E-01	<9.67E-01	<1.04E+00	<1.07E+00	7.4
T-506		<1.05E+00	<1.07E+00	<1.05E+00	<1.06E+00	<1.07E+00	<1.00E+00	<9.97E-01	<9.97E-01	<1.06E+00	<1.08E+00	<1.05E+00	<9.97E-01	<9.72E-01	<1.05E+00	<1.07E+00	<1.05E+00
T-507		<1.05E+00	<1.07E+00	<1.05E+00	<1.06E+00	<1.07E+00	<1.00E+00	<9.97E-01	<9.97E-01	<1.06E+00	<1.08E+00	<1.05E+00	<9.97E-01	<9.72E-01	<1.05E+00	<1.07E+00	<1.05E+00
T-508		<1.05E+00	<1.08E+00	<1.05E+00	<1.07E+00	<1.08E+00	<1.01E+00	<1.00E+00	<1.00E+00	<1.07E+00	<1.08E+00	<1.05E+00	<1.00E+00	<9.77E-01	<1.05E+00	<1.08E+00	<1.05E+00
T-509		<1.08E+00	<1.10E+00	<1.07E+00	<1.09E+00	<1.10E+00	<1.03E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.08E+00	<1.02E+00	<9.97E-01	<1.07E+00	<1.10E+00	<1.07E+00
T-510		<1.07E+00	<1.09E+00	<1.07E+00	<1.08E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.02E+00	<1.08E+00	<1.10E+00	<1.07E+00	<1.02E+00	<9.90E-01	<1.07E+00	<1.09E+00	<1.07E+00
T-511		<1.08E+00	<1.10E+00	<1.07E+00	<1.09E+00	<1.10E+00	<1.03E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.10E+00	<1.08E+00	<1.02E+00	<9.97E-01	<1.07E+00	<1.10E+00	<1.07E+00
T-512		<1.06E+00	<1.09E+00	<1.06E+00	<1.08E+00	<1.09E+00	<1.01E+00	<1.01E+00	<1.01E+00	<1.08E+00	<1.09E+00	<1.06E+00	<1.01E+00	<9.83E-01	<1.06E+00	<1.09E+00	<1.06E+00
T-513		<1.06E+00	<1.09E+00	<1.06E+00	<1.08E+00	<1.09E+00	<1.01E+00	<1.01E+00	<1.01E+00	<1.08E+00	<1.09E+00	<1.06E+00	<1.01E+00	<9.83E-01	<1.06E+00	<1.09E+00	<1.06E+00
T-514		<1.15E+00	<1.18E+00	<1.15E+00	<1.17E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.18E+00	<1.15E+00	<1.10E+00	<1.07E+00	<1.15E+00	<1.18E+00	<1.15E+00

Compound	Ethene	n-Hexane	Methylcyclohexane	n-Decane	3-Methylpentane	1,3-Diethylbenzene	1,2,4-Trimethylbenzene	4-Ethyltoluene	n-Nonane	n-Pentane	Cyclohexane	2-Ethyltoluene	Benzene	1-Pentene	2-Methylpentane	c-2-Pentene
CAS	74-85-1	110-54-3	108-87-2	124-18-5	96-14-0	141-93-5	95-63-6	622-96-8	111-84-2	109-66-0	110-82-7	611-14-3	71-43-2	109-67-1	107-83-5	627-20-3
Sample ID MW	28.1	86.2	98.2	142.3	86.2	134.2	120.2	120.2	128.3	72.1	84.2	120.2	78.1	70.1	86.2	70.1
Flux (mg/m2-min)																
T-101	<4.59E-05	<4.69E-05	<4.58E-05	<4.65E-05	<4.69E-05	<4.38E-05	<4.36E-05	<4.36E-05	<4.66E-05	<4.71E-05	<4.59E-05	<4.36E-05	<4.25E-05	<4.58E-05	<4.69E-05	<4.58E-05
T-102	<3.88E-05	<3.97E-05	<3.88E-05	<3.93E-05	<3.97E-05	<3.71E-05	<3.69E-05	<3.69E-05	<3.94E-05	<3.99E-05	<3.88E-05	<3.69E-05	<3.60E-05	<3.88E-05	<3.97E-05	<3.88E-05
T-103	<4.18E-05	<4.27E-05	<4.17E-05	0.00024	0.00009	0.00028	0.00010	0.00013	<4.24E-05	<4.29E-05	<4.17E-05	0.00135	<3.87E-05	<4.17E-05	<4.27E-05	<4.17E-05
T-104	0.00022	<4.23E-05	<4.13E-05	<4.19E-05	<4.23E-05	<3.95E-05	<3.93E-05	<3.93E-05	<4.19E-05	<4.24E-05	0.00062	<3.93E-05	<3.83E-05	<4.13E-05	<4.23E-05	<4.13E-05
T-105	0.00074	0.00150	<4.00E-05	0.00014	0.00064	0.00014	0.00018	0.00016	<4.06E-05	<4.11E-05	<4.00E-05	<3.80E-05	0.00013	<3.99E-05	0.00022	<3.99E-05
T-106	<3.90E-05	<3.98E-05	<3.89E-05	0.00009	<3.98E-05	0.00013	<3.70E-05	0.00021	0.00010	0.00206	0.00045	<3.70E-05	<3.61E-05	<3.89E-05	<3.98E-05	<3.89E-05
T-107	<4.08E-05	0.00217	<4.07E-05	<4.13E-05	0.00047	<3.90E-05	<3.88E-05	<3.88E-05	<4.14E-05	0.00016	<4.07E-05	<3.88E-05	<3.78E-05	<4.07E-05	0.00022	<4.07E-05
T-108	<5.42E-05	0.00087	<5.41E-05	<5.49E-05	0.00015	<5.18E-05	<5.15E-05	<5.15E-05	<5.50E-05	<5.56E-05	<5.41E-05	<5.15E-05	<5.02E-05	0.00026	0.00014	<5.41E-05
T-109	<5.02E-05	<5.13E-05	<5.01E-05	0.00171	<5.13E-05	<4.79E-05	0.00179	0.00096	0.00052	<5.15E-05	<5.01E-05	0.00035	0.00104	<5.01E-05	<5.13E-05	<5.01E-05
T-110	<4.01E-05	0.00179	<4.00E-05	0.00017	0.00014	0.00031	0.00008	<3.81E-05	<4.07E-05	<4.11E-05	<4.00E-05	<3.81E-05	0.00010	<4.00E-05	<4.10E-05	<4.00E-05
T-111	<5.81E-05	0.00021	<5.80E-05	<5.89E-05	0.00017	<5.55E-05	<5.52E-05	<5.52E-05	<5.90E-05	<5.96E-05	<5.80E-05	<5.52E-05	<5.38E-05	<5.80E-05	<5.94E-05	<5.80E-05
T-112	<1.04E-04	<1.07E-04	<1.04E-04	0.00070	<1.07E-04	<9.97E-05	0.00075	0.00032	0.00023	<1.07E-04	<1.04E-04	<9.92E-05	0.00054	<1.04E-04	<1.07E-04	<1.04E-04
T-113	<4.35E-05	<4.44E-05	<4.34E-05	0.00114	<4.44E-05	<4.15E-05	0.00138	0.00073	0.00046	<4.46E-05	<4.34E-05	0.00025	0.00090	<4.34E-05	<4.44E-05	<4.34E-05
T-114	<4.39E-05	<4.48E-05	<4.38E-05	<4.44E-05	<4.48E-05	<4.19E-05	<4.17E-05	<4.17E-05	<4.45E-05	<4.50E-05	<4.38E-05	<4.17E-05	<4.06E-05	<4.38E-05	<4.48E-05	<4.38E-05
T-201	0.00011	<4.24E-05	<4.14E-05	<4.20E-05	0.00052	0.00021	0.00049	0.00010	<4.21E-05	<4.26E-05	<4.14E-05	0.00131	<3.84E-05	<4.14E-05	<4.24E-05	<4.14E-05
T-202	<4.47E-05	0.00011	<4.47E-05	<4.53E-05	<4.57E-05	<4.27E-05	<4.25E-05	<4.25E-05	<4.54E-05	<4.59E-05	<4.47E-05	<4.25E-05	<4.14E-05	<4.46E-05	<4.57E-05	<4.46E-05
T-203	<4.82E-05	<4.92E-05	<4.81E-05	<4.88E-05	<4.92E-05	<4.60E-05	<4.58E-05	<4.58E-05	<4.89E-05	<4.94E-05	<4.81E-05	<4.58E-05	<4.46E-05	<4.80E-05	<4.92E-05	<4.80E-05
T-204	0.00703	0.00511	0.01353	0.04121	0.00850	<4.09E-05	<4.07E-05	0.00900	0.02597	0.00320	0.00446	0.00616	0.00622	0.00287	0.00223	0.00055
T-205	0.00017	<5.96E-05	<5.82E-05	<5.91E-05	<5.96E-05	0.00184	0.00012	0.00038	<5.92E-05	<5.99E-05	<5.83E-05	<5.54E-05	<5.40E-05	<5.82E-05	<5.96E-05	<5.82E-05
T-206	<6.19E-05	0.00029	<6.19E-05	<6.27E-05	0.00018	<5.92E-05	<5.89E-05	0.00024	<6.29E-05	<6.36E-05	<6.19E-05	<5.89E-05	<5.74E-05	<6.18E-05	<6.33E-05	<6.18E-05
T-207	<7.43E-05	0.00016	<7.42E-05	<7.53E-05	0.00073	<7.10E-05	<7.06E-05	0.00063	<7.54E-05	<7.63E-05	0.00016	0.00016	0.00022	<7.42E-05	<7.60E-05	<7.42E-05
T-208	0.00075	0.00094	0.00179	0.00760	0.00171	0.08052	0.02276	0.01895	0.01177	0.00131	0.00104	0.00552	0.00111	0.00123	0.00086	0.00020
T-209	<7.02E-05	0.00022	<7.01E-05	0.00020	0.00062	<6.70E-05	0.00032	0.00044	0.00016	<7.20E-05	<7.01E-05	0.00018	0.00052	<7.00E-05	<7.18E-05	<7.00E-05
T-210	0.00196	0.00025	<7.84E-05	<7.95E-05	0.00064	<7.50E-05	0.00055	0.00045	<7.96E-05	<8.06E-05	<7.84E-05	<7.46E-05	<7.27E-05	<7.83E-05	<8.03E-05	<7.83E-05
T-211	<8.29E-05	<8.48E-05	<8.28E-05	<8.40E-05	<8.48E-05	0.00032	<7.88E-05	<7.88E-05	<8.41E-05	<8.51E-05	<8.28E-05	<7.88E-05	<7.68E-05	<8.27E-05	<8.48E-05	<8.27E-05
T-212	0.00031	0.00071	0.00198	0.00984	0.00056	0.00406	0.01266	0.00568	0.00287	0.00054	0.00042	0.01195	0.00058	0.00052	0.00039	0.00013
T-213	<9.91E-05	0.00075	0.00146	0.01045	0.00039	0.00813	0.01360	0.00394	0.00160	0.00062	0.00034	0.00831	0.00098	0.00076	0.00037	0.00037
T-214	<4.84E-05	0.00012	<4.83E-05	<4.90E-05	<4.95E-05	<4.62E-05	<4.60E-05	<4.60E-05	<4.91E-05	<4.96E-05	<4.83E-05	<4.60E-05	<4.48E-05	<4.83E-05	<4.95E-05	<4.83E-05
T-301	0.00100	<4.17E-05	<4.07E-05	<4.13E-05	0.00027	<3.89E-05	<3.88E-05	<3.88E-05	<4.14E-05	<4.19E-05	<4.07E-05	0.00030	<3.78E-05	<4.07E-05	<4.17E-05	<4.07E-05
T-302	<5.60E-05	0.00012	<5.59E-05	<5.67E-05	<5.72E-05	<5.34E-05	<5.32E-05	<5.32E-05	<5.68E-05	<5.74E-05	<5.59E-05	<5.32E-05	<5.18E-05	<5.58E-05	<5.72E-05	<5.58E-05
T-303	<6.09E-05	<6.23E-05	<6.08E-05	<6.17E-05	<6.23E-05	<5.82E-05	<5.79E-05	<5.79E-05	<6.18E-05	<6.25E-05	<6.09E-05	<5.79E-05	<5.65E-05	<6.08E-05	<6.23E-05	<6.08E-05
T-304	<6.60E-05	<6.75E-05	<6.59E-05	<6.68E-05	<6.75E-05	0.00020	0.00029	0.00021	0.00017	0.01392	0.00023	<6.27E-05	<6.11E-05	<6.58E-05	<6.75E-05	0.02364
T-305	0.00012	0.00438	<5.03E-05	<5.10E-05	0.00091	<4.81E-05	<4.79E-05	<4.79E-05	<5.11E-05	<5.17E-05	<5.03E-05	<4.79E-05	<4.67E-05	<5.03E-05	0.00044	<5.03E-05
T-306	<4.91E-05	<5.02E-05	<4.91E-05	0.00057	0.00069	0.00059	0.00026	0.00018	<4.99E-05	<5.04E-05	0.00024	0.00163	0.00011	0.00010	<5.02E-05	<4.90E-05
T-307	<5.74E-05	<5.87E-05	<5.73E-05	<5.81E-05	<5.87E-05	<5.48E-05	<5.45E-05	<5.45E-05	<5.82E-05	<5.89E-05	<5.73E-05	<5.45E-05	<5.32E-05	0.00034	<5.87E-05	<5.73E-05
T-308	<4.78E-05	0.00873	0.00451	<4.85E-05	0.00073	0.00014	0.00068	0.00109	0.00066	0.00225	0.00735	<4.55E-05	0.00293	0.00056	<4.89E-05	<4.77E-05
T-309	0.00010	<4.26E-05	0.00013	<4.22E-05	<4.26E-05	0.00022	0.00025	<3.96E-05	<4.23E-05	<4.28E-05	<4.16E-05	<3.96E-05	<3.86E-05	<4.16E-05	0.00011	<4.16E-05
T-310	<5.99E-05	0.00017	<5.98E-05	<6.07E-05	0.00236	<5.72E-05	0.00021	<5.69E-05	<6.08E-05	<6.15E-05	<5.98E-05	<5.69E-05	0.00022	<5.98E-05	<6.13E-05	<5.98E-05
T-311	<7.12E-05	0.00104	<7.11E-05	<7.21E-05	0.00059	<6.80E-05	0.00035	<6.77E-05	<7.22E-05	<7.31E-05	<7.11E-05	0.00017	<6.60E-05	<7.10E-05	<7.28E-05	<7.10E-05
T-312	<5.15E-05	<5.27E-05	<5.14E-05	<5.22E-05	<5.27E-05	<4.92E-05	<4.90E-05	<4.90E-05	<5.23E-05	<5.29E-05	<5.15E-05	<4.90E-05	<4.77E-05	<5.14E-05	<5.27E-05	<5.14E-05
T-313	<4.31E-05	<4.40E-05	<4.30E-05	<4.36E-05	<4.40E-05	<4.11E-05	<4.09E-05	<4.09E-05	<4.37E-05	<4.42E-05	<4.30E-05	<4.09E-05	<3.99E-05	<4.30E-05	<4.40E-05	<4.30E-05
T-314	<5.24E-05	<5.36E-05	<5.23E-05	<5.31E-05	<5.36E-05	<5.01E-05	<4.98E-05	<4.98E-05	<5.32E-05	<5.38E-05	<5.24E-05	<4.98E-05	<4.86E-05	<5.23E-05	<5.36E-05	<5.23E-05
T-401	<4.01E-05	<4.10E-05	<4.00E-05	<4.06E-05	<4.10E-05	<3.83E-05	<3.81E-05	<3.81E-05	<4.06E-05	<4.11E-05	<4.00E-05	<3.81E-05	<3.71E-05	<4.00E-05	<4.10E-05	<4.00E-05
T-402	0.00015	<4.15E-05	<4.05E-05	<4.11E-05	<4.15E-05	<3.87E-05	<3.85E-05	<3.85E-05	<4.11E-05	0.00010	0.00009	0.00008	<3.76E-05	0.00011	<4.15E-05	<4.05E-05
T-403	<4.46E-05	<4.56E-05	<4.46E-05	<4.52E-05	<4.56E-05	<4.26E-05	<4.24E-05	<4.24E-05	<4.53E-05	<4.58E-05	<4.46E-05	<4.24E-05	<4.13E-05	<4.45E-05	<4.56E-05	<4.45E-05
T-404	0.00164	0.00021	0.00047	<5.52E-05	0.00016	0.00016	0.00032	<5.18E-05	<5.53E-05	0.00023	0.00037	0.00014	0.00018	0.00036	0.00015	<5.44E-05
T-405	<4.49E-05	<4.59E-05	<4.48E-05	<4.54E-05	<4.59E-05	<4.29E-05	<4.26E-05	<4.26E-05	<4.55E-05	<4.60E-05	<4.48E-05	<4.26E-05	<4.16E-05	<4.48E-05	<4.59E-05	<4.48E-05
T-406	<3.99E-05	0.00009	<3.99E-05	0.00008	0.00029	<3.81E-05	0.00015	<3.80E-05	<4.05E-05	<4.10E-05	<3.99E-05	<3.80E-05	<3.70E-05	<3.99E-05	<4.08E-05	<3.99E-05
T-407	<3.96E-05	<4.05E-05	<3.95E-05	<4.01E-05	0.00035	<3.78E-05	<3.76E-05	<3.76E-05	<4.02E-05	<4.06E-05	<3.95E-05	<3.76E-05	<3.67E-05	<3.95E-05	0.00009	<3.95E-05
T-408	0.00052	<4.17E-05	0.00034	<4.14E-05	0.00016	<3.90E-05	0.00008	<3.88E-05	<4.14E-05	0.00018	0.00019	0.00009	<3.78E-05	0.00016	0.00017	<4.07E-05
T-409	<5.06E-05	<5.18E-05	<5.06E-05	<5.13E-05	<5.18E-05	<4.84E-05	<4.81E-05	<4.81E-05	<5.14E-05	<5.20E-05	<5.06E-05	<4.81E-05	<4.69E-05	<5.05E-05	<5.18E-05	<5.05E-05
T-410	0.00066	<4.92E-05	<4.80E-05	<4.87E-05	<4.92E-05	<4.60E-05	<4.57E-05	<4.57E-05	<4.88E-05	<4.94E-05	<4.81E-05	0.00031	0.00010	<4.80E-05	<4.92E-05	<4.80E-05
T-411	<5.72E-05	<5.85E-05	<5.72E-05	<5.80E-05	0.00487	<5.47E-05	0.00028	<5.44E-05	<5.81E-05	<5.88E-05	<5.72E-05	<5.44E-05	<5.30E-05	<5.71E-05	<5.85E-05	<5.71E-05
T-412	<1.19E-04	0.00508	0.00810	<1.21E-04	0.00836	0.00215	0.00605	0.01250	0.00293	0.00073	0.00262	0.00342	0.00297	0.00680	0.00799	0.00335
T-413	0.00010	0.01185	0.01636	<3.97E-05	0.00764	0.00374	0.00421	0.00120	0.00352	0.00441	0.00923	0.00269	0.00585	0.00670	0.01107	0.00035
T-414	0.00090	<3.84E-05	<3.75E-05	<3.80E-05	<3.84E-05	<3.59E-05	<3.57E-05	<3.57E-05	<3.81E-05	<3.85E-05	<3.75E-05	<3.57E-05	<3.48E-05	<3.75E-05	<3.84E-05	<3.75E-05
T-501	<6.38E-05	<6.52E-05	<6.37E-05	<6.46E-05	<6.52E-05	<6.09E-05	<6.07E-05	<6.07E-05	<6.47E-05	<6.55E-05	<6.37E-05	<6.07E-05	<5.91E-05	<6.37E-05	<6.52E-05	<6.37E-05
T-502	<6.14E-05	<6.28E-05	<6.13E-05	<6.22E-05	<6.28E-05	<5.87E-05	<5.84E-05	<5.84E-05	<6.23E-05	<6.30E-05	<6.13E-05	<5.84E-05	<5.69E-05	<6.13E-05	<6.28E-05	<6.13E-05
T-503	0.00014	<4.73E-05	<4.62E-05	<4.69E-05	<4.73E-05	<4.42E-05	<4.40E-05	<4.40E-05	<4.70E-05	<4.75E-05	<4.62E-05	<4.40E-05	<4.29E-05	<4.62E-05	<4.73E-05	<4.62E-05
T-504	0.00011	0.00103	<5.23E-05	<5.31E-05	<5.36E-05	0.00022	<4.98E-05	<4.98E-05	<5.31E-05	0.00016	0.00040	<4.98E-05	0.00033	0.00013	<5.36E-05	<5.23E-05
T-505	0.00016	<6.01E-05	<5.87E-05	<5.96E-05	<6.01E-05	0.00024	0.00028	<5.59E-05	<5.97E-05	<6.04E-05	<5.87E-05	<5.59E-05	<5.45E-05	<5.87E-05	<6.01E-05	0.00042
T-506	<6.10E-05	<6.24E-05	<6.09E-05	<6.18E-05	<6.24E-05	<5.83E-05	<5.80E-05	<5.80E-05	<6.19E-05	<6.26E-05	<6.10E-05	<5.80E-05	<5.66E-05	<6.09E-05	<6.24E-05	<6.09E-05
T-507	<5.45E-05	<5.57E-05	<5.44E-05	<5.52E-05	<5.57E-05	<5.21E-05	<5.18E-05	<5.18E-05	<5.53E-05	<5.59E-05	<5.44E-05	<5.18E-05	<5.05E-05	<5.44E-05	<5.57E-05	<5.44E-05
T-508	<4.92E-05	<5.03E-05	<4.91E-05	<4.98E-05	<5.03E-05	<4.70E-05	<4.67E-05	<4.67E-05	<4.99E-05	<5.05E-05	<4.91E-05	<4.67E-05	<4.56E-05	<4.91E-05	<5.03E-05	<4.91E-05
T-509	<4.13E-05	<4.22E-05	<4.12E-05	<4.18E-05	<4.22E-05	<3.95E-05	<3.93E-05	<3.93E-05	<4.19E-05	<4.24E-05	<4.13E-05	<3.93E-05	<3.83E-05	<4.12E-05	<4.22E-05	<4.12E-05
T-510	<4.82E-05	<4.93E-05	<4.82E-05	<4.89E-05	<4.93E-05	<4.61E-05	<4.59E-05	<4.59E-05	<4.89E-05	<4.95E-05	<4.82E-05	<4.59E-05	<4.47E-05	<4.81E-05	<4.93E-05	<4.81E-05
T-511	<3.95E-05	<4.04E-05	<3.94E-05	<4.00E-05	<4.04E-05	<3.77E-05	<3.75E-05	<3.75E-05	<4.01E-05	<4.05E-05	<3.94E-05	<3.75E-05	<3.66E-05	<3.94E-05	<4.04E-05	<3.94E-05
T-512	<6.41E-05	<6.56E-05	<6.40E-05	<6.49E-05	<6.56E-05	<6.12E-05	<6.09E-05	<6.09E-05	<6.50E-05	<6.58E-05	<6.40E-05	<6.09E-05	<5.94E-05	<6.40E-05	<6.56E-05	<6.40E-05
T-513	<5.47E-05	<5.59E-05	<5.46E-05	<5.54E-05	<5.59E-05	<5.23E-05	<5.20E-05	<5.20E-05	<5.55E-05	<5.61E-05	<5.46E-05	<5.20E-05	<5.07E-05	<5.46E-05	<5.59E-05	<5.46E-05
T-514	<5.09E-05	<5.20E-05	<5.08E-05	<5.15E-05	<5.20E-05	<4.86E-05	<4.84E-05	<4.84E-05	<5.16E-05	<5.22E-05	<5.08E-05	<4.84E-05	<4.71E-05	<5.08E-05	<5.20E-05	<5.08E-05

Compounds that are all non-detect are highlighted in green.

Compound	t-2-Butene	2-Methylheptane	Styrene	2,4-Dimethylpentane	3-Methylhexane	n-Octane	2-Methylhexane	i-Propylbenzene	1,3,5-Trimethylbenzene	3-Methylheptane	2,3,4-Trimethylpentane	c-2-Butene	t-2-Pentene	2,3-Dimethylpentane	1,4-Diethylbenzene	Methylcyclopentane
CAS	624-64-6	592-27-8	100-42-5	108-08-7	589-34-4	111-65-9	591-76-4	98-82-8	108-67-8	589-81-1	565-75-3	590-18-1	646-04-8	565-59-3	105-05-5	96-37-7
Sample ID MW	56.1	114.2	104.2	100.2	100.2	114.2	100.2	120.2	120.2	114.2	114.2	56.1	70.1	100.2	134.2	84.2
Lab Data (ppbv)																
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	ND	ND	ND	ND	0.85	0.6	ND	ND	ND	ND	ND	ND	3.3	ND
T-104	1.03	0.58	ND	ND	ND	ND	ND	ND	ND	0.68	2.28	1.91	ND	ND	ND	15.54
T-105	1.04	0.76	ND	2.64	ND	ND	ND	ND	ND	2.79	ND	ND	2.06	3.65	ND	ND
T-106	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.01	ND	ND	ND
T-107	ND	ND	ND	3.89	ND	ND	ND	ND	ND	ND	ND	ND	2.12	ND	ND	ND
T-108	1.26	ND	ND	1.25	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	1.23	ND	1.61	2.1	ND	1	ND	ND	ND	0.96	ND
T-110	ND	ND	ND	1.1	ND	ND	ND	ND	0.81	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113	ND	ND	ND	ND	ND	1.31	ND	1.54	ND	ND	1.15	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	ND	ND	ND	ND	4.49	1.06	0.63	8.41	ND	ND	ND	ND	0.51	ND
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	8.7	79.71	66.83	22.8	44.04	74.84	27.97	38.14	32.41	25.94	25.91	9.51	6.73	23.71	3.34	ND
T-205	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-206	ND	ND	ND	ND	ND	1.05	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-207	6.05	ND	ND	ND	0.65	ND	ND	ND	0.84	ND	ND	ND	ND	ND	ND	ND
T-208	ND	2.79	2.33	1.07	6.37	10.65	3.83	10.43	9.77	3.97	3.13	ND	0.99	1.83	5.87	2.23
T-209	1.11	ND	0.96	ND	0.59	ND	0.69	ND	0.75	ND	ND	ND	ND	1.32	0.52	1.02
T-210	ND	ND	ND	ND	ND	ND	0.65	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212	ND	5.94	7.65	1.17	1.95	4.49	1.06	28.86	20.21	5.5	2.51	ND	1.89	0.96	20.84	ND
T-213	ND	4.58	6.55	1.41	2.92	3.3	ND	22.01	18.62	4.94	1.49	2.55	ND	ND	39.28	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	0.54	ND	ND	ND	ND	ND	ND	ND	1.68	ND	ND	ND	ND	0.45	ND
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	4.15	ND	3.81	ND	ND	0.56	ND	ND	ND	ND	ND	64.2	ND	ND	0.62	ND
T-305	1.28	ND	ND	6.18	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-306	ND	1.53	ND	ND	1.84	ND	ND	1.36	1.15	4.41	ND	ND	ND	4.1	ND	ND
T-307	1.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.06	ND	ND	ND	ND
T-308	ND	17.61	19.72	7.27	0.99	ND	16.16	5.09	8.48	14.02	26.8	15.04	ND	5.91	1.83	51.98
T-309	ND	ND	ND	ND	0.58	1.79	3.56	ND	ND	ND	ND	ND	ND	ND	0.49	ND
T-310	ND	ND	ND	ND	ND	ND	8.81	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311	ND	ND	ND	0.82	ND	ND	ND	ND	0.74	1.08	ND	ND	ND	1.66	0.43	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	ND	ND	1.23	1.2	0.8	ND	ND	ND	1.84	ND	ND	0.76	ND	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	0.51	ND	ND	ND	ND	ND	ND	ND	1.22	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.56	ND	ND	ND	3.1	ND	ND
T-408	ND	ND	ND	1.26	0.68	ND	ND	0.74	ND	ND	1.14	ND	ND	0.63	ND	1.08
T-409	ND	ND	1.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	ND	ND	ND	ND	ND	ND	0.68	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-411	ND	1.94	ND	ND	ND	ND	22.33	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	73.76	10.57	19.89	30.77	24.25	10.02	14.13	10.07	15.15	6.66	15.3	40.18	ND	8.9	2.84	ND
T-413	84.65	38.58	31.27	68.3	62.07	37.71	41.98	10.74	11.68	27.41	29.16	25.08	10.36	24.43	1.38	3.85
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	ND	ND	ND	0.86	0.68	ND	1.55	0.78	6.63	0.78	ND	2.96	3.54	ND	ND
T-505	ND	ND	1.15	ND	ND	ND	ND	ND	ND	1.33	ND	1.05	ND	ND	0.56	ND
T-506	1.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	1.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508	1.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-509	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Sample ID	Compound	t-2-Butene	2-Methylheptane	Styrene	2,4-Dimethylpentane	3-Methylhexane	n-Octane	2-Methylhexane	i-Propylbenzene	1,3,5-Trimethylbenzene	3-Methylheptane	2,3,4-Trimethylpentane	c-2-Butene	t-2-Pentene	2,3-Dimethylpentane	1,4-Diethylbenzene	Methylcyclopentane
	CAS	624-64-6	592-27-8	100-42-5	108-08-7	589-34-4	111-65-9	591-76-4	98-82-8	108-67-8	589-81-1	565-75-3	590-18-1	646-04-8	565-59-3	105-05-5	96-37-7
	MW	56.1	114.2	104.2	100.2	100.2	114.2	100.2	120.2	120.2	114.2	114.2	56.1	70.1	100.2	134.2	84.2
MDL (ppbv)																	
T-101		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-102		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-103		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-104		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-105		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-106		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-107		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-108		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-109		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-110		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-111		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-112		2.62	1.31	1.31	1.4971429	1.4971429	1.31	1.4971429	1.1644444	1.1644444	1.31	1.31	2.62	2.096	1.4971429	1.048	1.7466667
T-113		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-114		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-201		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-202		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-203		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-204		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-205		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-206		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-207		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-208		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-209		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-210		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-211		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-212		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-213		2	1	1	1.1428571	1.1428571	1	1.1428571	0.8888889	0.8888889	1	1	2	1.6	1.1428571	0.8	1.3333333
T-214		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-301		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-302		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-303		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-304		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-305		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-306		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-307		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-308		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-309		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-310		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-311		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-312		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-313		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-314		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-401		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-402		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-403		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-404		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-405		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-406		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-407		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-408		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-409		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-410		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-411		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-412		3.02	1.51	1.51	1.7257143	1.7257143	1.51	1.7257143	1.3422222	1.3422222	1.51	1.51	3.02	2.416	1.7257143	1.208	2.0133333
T-413		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-414		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-501		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-502		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-503		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-504		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-505		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-506		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-507		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-508		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-509		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-510		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-511		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-512		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-513		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667
T-514		1	0.5	0.5	0.5714286	0.5714286	0.5	0.5714286	0.4444444	0.4444444	0.5	0.5	1	0.8	0.5714286	0.4	0.6666667

Compound	t-2-Butene	2-Methylheptane	Styrene	2,4-Dimethylpentane	3-Methylhexane	n-Octane	2-Methylhexane	i-Propylbenzene	1,3,5-Trimethylbenzene	3-Methylheptane	2,3,4-Trimethylpentane	c-2-Butene	t-2-Pentene	2,3-Dimethylpentane	1,4-Diethylbenzene	Methylcyclopentane
CAS	624-64-6	592-27-8	100-42-5	108-08-7	589-34-4	111-65-9	591-76-4	98-82-8	108-67-8	589-81-1	565-75-3	590-18-1	646-04-8	565-59-3	105-05-5	96-37-7
Sample ID MW	56.1	114.2	104.2	100.2	100.2	114.2	100.2	120.2	120.2	114.2	114.2	56.1	70.1	100.2	134.2	84.2
Data Used (ug/m3																
T-101	<1.11E+00	<1.13E+00	<1.03E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.14E+00	<1.07E+00	<1.11E+00
T-102	<1.11E+00	<1.13E+00	<1.03E+00	<1.13E+00	<1.13E+00	<1.13E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.11E+00
T-103	<1.11E+00	<1.13E+00	<1.03E+00	<1.13E+00	<1.13E+00	<1.13E+00	3.4	2.8	<1.05E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	17.5	<1.11E+00
T-104	2.3	2.6	<1.04E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.06E+00	3.1	10.4	4.3	<1.12E+00	<1.14E+00	<1.07E+00	52.1
T-105	2.3	3.4	<1.02E+00	10.4	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.05E+00	12.5	<1.12E+00	<1.10E+00	5.7	14.3	<1.05E+00	<1.10E+00
T-106	<1.10E+00	6.3	<1.02E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.10E+00	8.3	<1.12E+00	<1.05E+00	<1.10E+00
T-107	<1.10E+00	<1.12E+00	<1.02E+00	15.3	<1.12E+00	<1.12E+00	<1.12E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.10E+00	5.8	<1.12E+00	<1.05E+00	<1.10E+00
T-108	2.8	<1.11E+00	<1.02E+00	4.9	<1.12E+00	<1.11E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.11E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.12E+00	<1.05E+00	<1.09E+00
T-109	<1.07E+00	<1.08E+00	<9.89E-01	<1.09E+00	<1.09E+00	5.3	<1.09E+00	7.3	9.6	<1.08E+00	4.3	<1.07E+00	<1.06E+00	<1.09E+00	4.9	<1.07E+00
T-110	<1.07E+00	<1.09E+00	<9.94E-01	4.2	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	3.7	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.07E+00
T-111	<1.07E+00	<1.09E+00	<9.94E-01	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.07E+00
T-112	<2.74E+00	<2.79E+00	<2.55E+00	<2.80E+00	<2.80E+00	<2.79E+00	<2.80E+00	<2.61E+00	<2.61E+00	<2.79E+00	<2.79E+00	<2.74E+00	<2.74E+00	<2.80E+00	<2.62E+00	<2.74E+00
T-113	<1.05E+00	<1.07E+00	<9.72E-01	<1.07E+00	<1.07E+00	5.6	<1.07E+00	6.9	<9.97E-01	<1.07E+00	4.9	<1.05E+00	<1.05E+00	<1.07E+00	<1.00E+00	<1.05E+00
T-114	<1.15E+00	<1.17E+00	<1.07E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.15E+00
T-201	<1.12E+00	<1.14E+00	<1.04E+00	<1.14E+00	<1.14E+00	<1.14E+00	17.9	5.1	3.0	38.3	<1.14E+00	<1.12E+00	<1.12E+00	<1.14E+00	2.7	<1.12E+00
T-202	<1.12E+00	<1.14E+00	<1.04E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.07E+00	<1.07E+00	<1.14E+00	<1.14E+00	<1.12E+00	<1.12E+00	<1.14E+00	<1.07E+00	<1.12E+00
T-203	<1.12E+00	<1.14E+00	<1.04E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.14E+00	<1.14E+00	<1.12E+00	<1.12E+00	<1.14E+00	<1.07E+00	<1.12E+00
T-204	19.2	358.1	273.9	89.9	173.6	336.2	110.2	180.3	153.2	116.5	116.4	21.0	18.6	93.4	17.6	<1.10E+00
T-205	<1.07E+00	<1.09E+00	<9.93E-01	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.07E+00
T-206	<1.05E+00	<1.07E+00	<9.79E-01	<1.08E+00	<1.08E+00	4.5	<1.08E+00	<1.00E+00	<1.00E+00	<1.07E+00	<1.07E+00	<1.05E+00	<1.05E+00	<1.08E+00	<1.01E+00	<1.05E+00
T-207	12.6	<1.06E+00	<9.71E-01	<1.07E+00	2.4	<1.06E+00	<1.07E+00	<9.95E-01	3.8	<1.06E+00	<1.06E+00	<1.05E+00	<1.04E+00	<1.07E+00	<1.00E+00	<1.05E+00
T-208	<1.06E+00	12.0	9.2	4.1	24.1	45.9	14.5	47.4	44.4	17.1	13.5	<1.06E+00	2.6	6.9	29.8	7.1
T-209	2.4	<1.08E+00	3.8	<1.08E+00	2.2	<1.08E+00	2.6	<1.01E+00	3.4	<1.08E+00	<1.08E+00	<1.06E+00	<1.06E+00	5.0	2.6	3.2
T-210	<1.03E+00	<1.05E+00	<9.54E-01	<1.05E+00	<1.05E+00	<1.05E+00	2.4	<9.79E-01	<9.79E-01	<1.05E+00	<1.05E+00	<1.03E+00	<1.03E+00	<1.05E+00	<9.83E-01	<1.03E+00
T-211	<1.05E+00	<1.07E+00	<9.74E-01	<1.07E+00	<1.07E+00	<1.07E+00	<1.07E+00	<9.99E-01	<9.99E-01	<1.07E+00	<1.07E+00	<1.05E+00	<1.05E+00	<1.07E+00	<1.00E+00	<1.05E+00
T-212	<1.03E+00	24.8	29.2	4.3	7.1	18.8	3.9	126.9	88.9	23.0	10.5	<1.03E+00	4.8	3.5	102.3	<1.03E+00
T-213	<2.05E+00	19.1	25.0	5.2	10.7	13.8	<2.09E+00	96.8	81.9	20.6	6.2	5.2	<2.05E+00	<2.09E+00	192.8	<2.05E+00
T-214	<1.15E+00	<1.17E+00	<1.07E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.15E+00
T-301	<1.12E+00	2.5	<1.04E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.07E+00	<1.07E+00	7.7	<1.14E+00	<1.12E+00	<1.12E+00	<1.14E+00	2.4	<1.12E+00
T-302	<1.12E+00	<1.14E+00	<1.04E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.14E+00	<1.07E+00	<1.07E+00	<1.14E+00	<1.14E+00	<1.12E+00	<1.12E+00	<1.14E+00	<1.07E+00	<1.12E+00
T-303	<1.14E+00	<1.16E+00	<1.05E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.16E+00	<1.08E+00	<1.08E+00	<1.16E+00	<1.16E+00	<1.14E+00	<1.14E+00	<1.16E+00	<1.09E+00	<1.14E+00
T-304	9.3	<1.15E+00	15.9	<1.15E+00	<1.15E+00	2.6	<1.15E+00	<1.07E+00	<1.07E+00	<1.15E+00	<1.15E+00	<1.13E+00	180.6	<1.15E+00	3.3	<1.13E+00
T-305	2.8	<1.10E+00	<1.00E+00	23.8	<1.10E+00	<1.10E+00	<1.10E+00	<1.03E+00	<1.03E+00	<1.10E+00	<1.10E+00	<1.08E+00	<1.08E+00	<1.10E+00	<1.03E+00	<1.08E+00
T-306	<1.08E+00	6.7	<1.00E+00	<1.10E+00	7.1	<1.10E+00	<1.10E+00	6.3	5.3	19.4	<1.10E+00	<1.08E+00	<1.08E+00	15.8	<1.04E+00	<1.08E+00
T-307	2.5	<1.10E+00	<1.01E+00	<1.11E+00	<1.11E+00	<1.10E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.10E+00	<1.10E+00	2.3	<1.08E+00	<1.11E+00	<1.04E+00	<1.08E+00
T-308	<1.10E+00	79.0	80.7	28.6	3.9	<1.12E+00	63.6	24.0	40.0	62.9	120.2	33.1	<1.10E+00	23.3	9.6	171.8
T-309	<1.08E+00	<1.10E+00	<1.00E+00	<1.10E+00	2.2	7.9	13.8	<1.03E+00	<1.03E+00	<1.10E+00	<1.10E+00	<1.08E+00	<1.08E+00	<1.10E+00	2.5	<1.08E+00
T-310	<1.07E+00	<1.09E+00	<9.93E-01	<1.09E+00	<1.09E+00	<1.09E+00	33.6	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.07E+00
T-311	<1.08E+00	<1.10E+00	<1.01E+00	3.2	<1.11E+00	<1.10E+00	<1.11E+00	<1.03E+00	3.4	4.8	<1.10E+00	<1.08E+00	<1.08E+00	6.4	2.2	<1.08E+00
T-312	<1.07E+00	<1.09E+00	<9.96E-01	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.03E+00	<1.07E+00
T-313	<1.07E+00	<1.09E+00	<9.96E-01	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.03E+00	<1.07E+00
T-314	<1.15E+00	<1.17E+00	<1.07E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.15E+00
T-401	<1.11E+00	<1.13E+00	<1.03E+00	<1.13E+00	<1.13E+00	<1.13E+00	<1.13E+00	<1.06E+00	<1.06E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.13E+00	<1.06E+00	<1.11E+00
T-402	<1.10E+00	<1.12E+00	<1.02E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.12E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.12E+00	<1.05E+00	<1.10E+00
T-403	<1.09E+00	<1.11E+00	<1.01E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.11E+00	<1.11E+00	<1.09E+00	<1.09E+00	<1.11E+00	<1.04E+00	<1.09E+00
T-404	<1.10E+00	<1.12E+00	<1.02E+00	<1.12E+00	4.8	5.4	3.1	<1.05E+00	<1.05E+00	<1.12E+00	8.2	<1.10E+00	<1.10E+00	3.0	<1.05E+00	<1.10E+00
T-405	<1.07E+00	<1.09E+00	<9.96E-01	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.03E+00	<1.07E+00
T-406	<1.06E+00	<1.08E+00	2.0	<1.08E+00	<1.08E+00	<1.08E+00	<1.08E+00	<1.01E+00	<1.01E+00	<1.08E+00	5.3	<1.06E+00	<1.06E+00	<1.08E+00	<1.02E+00	<1.06E+00
T-407	<1.07E+00	<1.09E+00	<9.93E-01	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	2.4	<1.09E+00	<1.07E+00	<1.07E+00	11.8	<1.02E+00	<1.07E+00
T-408	<1.09E+00	<1.11E+00	<1.01E+00	4.9	2.7	<1.11E+00	<1.11E+00	3.5	<1.04E+00	<1.11E+00	5.1	<1.09E+00	<1.09E+00	2.5	<1.04E+00	3.5
T-409	<1.07E+00	<1.09E+00	5.7	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.07E+00
T-410	<1.07E+00	<1.09E+00	<9.94E-01	<1.09E+00	<1.09E+00	<1.09E+00	2.6	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.07E+00
T-411	<1.06E+00	8.3	<9.81E-01	<1.08E+00	<1.08E+00	<1.07E+00	84.2	<1.01E+00	<1.01E+00	<1.07E+00	<1.07E+00	<1.06E+00	<1.06E+00	<1.08E+00	<1.01E+00	<1.06E+00
T-412	159.6	46.6	79.9	118.9	93.7	44.1	54.6	46.7	70.2	29.3	67.4	86.9	<3.27E+00	34.4	14.7	<3.27E+00
T-413	183.2	170.0	125.7	264.0	239.9	166.1	162.3	49.8	54.2	120.7	128.5	54.3	28.0	94.4	7.1	12.5
T-414	<1.15E+00	<1.17E+00	<1.07E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.15E+00
T-501	<1.11E+00	<1.13E+00	<1.03E+00	<1.14E+00	<1.14E+00	<1.13E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.11E+00	<1.14E+00	<1.07E+00	<1.11E+00
T-502	<1.11E+00	<1.13E+00	<1.03E+00	<1.13E+00	<1.13E+00	<1.13E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.13E+00	<1.13E+00	<1.11E+00	<1.10E+00	<1.13E+00	<1.06E+00	<1.11E+00
T-503	<1.10E+00	<1.12E+00	<1.02E+00	<1.13E+00	<1.13E+00	<1.12E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.12E+00	<1.12E+00	<1.10E+00	<1.10E+00	<1.13E+00	<1.06E+00	<1.10E+00
T-504	<1.09E+00	<1.11E+00	<1.02E+00	<1.12E+00	3.4	3.0	<1.12E+00	7.3	3.7	29.5	3.5	<1.09E+00	8.1	13.8	<1.05E+00	<1.09E+00
T-505	<1.04E+00	<1.06E+00	4.5	<1.06E+00	<1.06E+00	<1.06E+00	<1.06E+00	<9.92E-01	<9.92E-01	5.6	<1.06E+00	2.2	<1.04E+00	<1.06E+00	2.8	<1.04E+00
T-506	2.4	<1.07E+00	<9.72E-01	<1.07E+00	<1.07E+00	<1.07E+00	<1.07E+00	<9.97E-01	<9.97E-01	<1.07E+00	<1.07E+00	<1.05E+00	<1.05E+00	<1.07E+00	<1.00E+00	<1.05E+00
T-507	2.4	<1.07E+00	<9.72E-01	<1.07E+00	<1.07E+00	<1.07E+00	<1.07E+00	<9.97E-01	<9.97E-01	<1.07E+00	<1.07E+00	<1.05E+00	<1.05E+00	<1.07E+00	<1.00E+00	<1.05E+00
T-508	2.4	<1.07E+00	<9.77E-01	<1.07E+00	<1.07E+00	<1.07E+00	<1.07E+00	<1.00E+00	<1.00E+00	<1.07E+00	<1.07E+00	<1.05E+00	<1.05E+00	<1.07E+00	<1.01E+00	<1.05E+00
T-509	<1.07E+00	<1.09E+00	<9.98E-01	<1.10E+00	<1.10E+00	<1.09E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.10E+00	<1.03E+00	<1.08E+00
T-510	<1.07E+00	<1.09E+00	<9.91E-01	<1.09E+00	<1.09E+00	<1.09E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.09E+00	<1.02E+00	<1.07E+00
T-511	<1.07E+00	<1.09E+00	<9.98E-01	<1.10E+00	<1.10E+00	<1.09E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.09E+00	<1.09E+00	<1.07E+00	<1.07E+00	<1.10E+00	<1.03E+00	<1.08E+00
T-512	<1.06E+00	<1.08E+00	<9.84E-01	<1.08E+00	<1.08E+00	<1.08E+00	<1.08E+00	<1.01E+00	<1.01E+00	<1.08E+00	<1.08E+00	<1.06E+00	<1.06E+00	<1.08E+00	<1.01E+00	<1.06E+00
T-513	<1.06E+00	<1.08E+00	<9.84E-01	<1.08E+00	<1.08E+00	<1.08E+00	<1.08E+00	<1.01E+00	<1.01E+00	<1.08E+00	<1.08E+00	<1.06E+00	<1.06E+00	<1.08E+00	<1.01E+00	<1.06E+00
T-514	<1.15E+00	<1.17E+00	<1.07E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.17E+00	<1.10E+00	<1.10E+00	<1.17E+00	<1.17E+00	<1.15E+00	<1.15E+00	<1.17E+00	<1.10E+00	<1.15E+00

Sample ID	Compound	t-2-Butene	2-Methylheptane	Styrene	2,4-Dimethylpentane	3-Methylhexane	n-Octane	2-Methylhexane	i-Propylbenzene	1,3,5-Trimethylbenzene	3-Methylheptane	2,3,4-Trimethylpentane	c-2-Butene	t-2-Pentene	2,3-Dimethylpentane	1,4-Diethylbenzene	Methylcyclopentane
	CAS	624-64-6	592-27-8	100-42-5	108-08-7	589-34-4	111-65-9	591-76-4	98-82-8	108-67-8	589-81-1	565-75-3	590-18-1	646-04-8	565-59-3	105-05-5	96-37-7
	MW	56.1	114.2	104.2	100.2	100.2	114.2	100.2	120.2	120.2	114.2	114.2	56.1	70.1	100.2	134.2	84.2
Flux (mg/m2-min)																	
T-101		<4.58E-05	<4.66E-05	<4.26E-05	<4.68E-05	<4.68E-05	<4.66E-05	<4.68E-05	<4.36E-05	<4.36E-05	<4.66E-05	<4.66E-05	<4.58E-05	<4.58E-05	<4.68E-05	<4.38E-05	<4.59E-05
T-102		<3.88E-05	<3.95E-05	<3.60E-05	<3.96E-05	<3.96E-05	<3.95E-05	<3.96E-05	<3.69E-05	<3.69E-05	<3.95E-05	<3.95E-05	<3.88E-05	<3.88E-05	<3.96E-05	<3.71E-05	<3.88E-05
T-103		<4.17E-05	<4.25E-05	<3.87E-05	<4.26E-05	<4.26E-05	<4.25E-05	0.00013	0.00011	<3.97E-05	<4.25E-05	<4.25E-05	<4.17E-05	<4.17E-05	<4.26E-05	0.00066	<4.17E-05
T-104		0.00009	0.00010	<3.83E-05	<4.21E-05	<4.21E-05	<4.20E-05	<4.21E-05	<3.93E-05	<3.93E-05	0.00011	0.00038	0.00016	<4.13E-05	<4.21E-05	<3.95E-05	0.00193
T-105		0.00008	0.00012	<3.71E-05	0.00038	<4.08E-05	<4.07E-05	<4.08E-05	<3.80E-05	<3.80E-05	0.00045	<4.07E-05	<4.00E-05	0.00021	0.00052	<3.82E-05	<4.00E-05
T-106		<3.89E-05	0.00022	<3.61E-05	<3.97E-05	<3.97E-05	<3.96E-05	<3.97E-05	<3.70E-05	<3.70E-05	<3.96E-05	<3.96E-05	<3.89E-05	0.00029	<3.97E-05	<3.72E-05	<3.89E-05
T-107		<4.07E-05	<4.14E-05	<3.78E-05	0.00057	<4.16E-05	<4.14E-05	<4.16E-05	<3.88E-05	<3.88E-05	<4.14E-05	<4.14E-05	<4.07E-05	0.00022	<4.16E-05	<3.90E-05	<4.07E-05
T-108		0.00014	<5.51E-05	<5.02E-05	0.00024	<5.52E-05	<5.51E-05	<5.52E-05	<5.15E-05	<5.15E-05	<5.51E-05	<5.51E-05	<5.41E-05	<5.41E-05	<5.52E-05	<5.18E-05	<5.41E-05
T-109		<5.01E-05	<5.10E-05	<4.65E-05	<5.11E-05	<5.11E-05	0.00025	<5.11E-05	0.00035	0.00045	<5.10E-05	0.00020	<5.01E-05	<5.01E-05	<5.11E-05	0.00023	<5.01E-05
T-110		<4.00E-05	<4.07E-05	<3.72E-05	0.00016	<4.08E-05	<4.07E-05	<4.08E-05	<3.81E-05	0.00014	<4.07E-05	<4.07E-05	<4.00E-05	<4.00E-05	<4.08E-05	<3.83E-05	<4.00E-05
T-111		<5.80E-05	<5.90E-05	<5.39E-05	<5.92E-05	<5.92E-05	<5.90E-05	<5.92E-05	<5.52E-05	<5.52E-05	<5.90E-05	<5.90E-05	<5.80E-05	<5.80E-05	<5.92E-05	<5.55E-05	<5.80E-05
T-112		<1.04E-04	<1.06E-04	<9.68E-05	<1.06E-04	<1.06E-04	<1.06E-04	<1.06E-04	<9.92E-05	<9.92E-05	<1.06E-04	<1.06E-04	<1.04E-04	<1.04E-04	<1.06E-04	<9.97E-05	<1.04E-04
T-113		<4.34E-05	<4.42E-05	<4.03E-05	<4.43E-05	<4.43E-05	0.00023	<4.43E-05	0.00029	<4.13E-05	<4.42E-05	0.00020	<4.34E-05	<4.34E-05	<4.43E-05	<4.15E-05	<4.34E-05
T-114		<4.38E-05	<4.46E-05	<4.07E-05	<4.47E-05	<4.47E-05	<4.46E-05	<4.47E-05	<4.17E-05	<4.17E-05	<4.46E-05	<4.46E-05	<4.38E-05	<4.38E-05	<4.47E-05	<4.19E-05	<4.38E-05
T-201		<4.14E-05	<4.21E-05	<3.84E-05	<4.22E-05	<4.22E-05	<4.21E-05	0.00066	0.00019	0.00011	0.00142	<4.21E-05	<4.14E-05	<4.14E-05	<4.22E-05	0.00010	<4.14E-05
T-202		<4.47E-05	<4.54E-05	<4.15E-05	<4.56E-05	<4.56E-05	<4.54E-05	<4.56E-05	<4.25E-05	<4.25E-05	<4.54E-05	<4.54E-05	<4.47E-05	<4.46E-05	<4.56E-05	<4.27E-05	<4.47E-05
T-203		<4.81E-05	<4.89E-05	<4.46E-05	<4.91E-05	<4.91E-05	<4.89E-05	<4.91E-05	<4.58E-05	<4.58E-05	<4.89E-05	<4.89E-05	<4.81E-05	<4.80E-05	<4.91E-05	<4.60E-05	<4.81E-05
T-204		0.00074	0.01386	0.01060	0.00348	0.00672	0.01302	0.00427	0.00698	0.00593	0.00451	0.00451	0.00081	0.00072	0.00362	0.00068	<4.27E-05
T-205		<5.82E-05	<5.93E-05	<5.41E-05	<5.94E-05	<5.94E-05	<5.93E-05	<5.94E-05	<5.54E-05	<5.54E-05	<5.93E-05	<5.93E-05	<5.82E-05	<5.82E-05	<5.94E-05	<5.57E-05	<5.83E-05
T-206		<6.18E-05	<6.29E-05	<5.74E-05	<6.31E-05	<6.31E-05	0.00026	<6.31E-05	<5.89E-05	<5.89E-05	<6.29E-05	<6.29E-05	<6.18E-05	<6.18E-05	<6.31E-05	<5.92E-05	<6.19E-05
T-207		0.00090	<7.55E-05	<6.89E-05	<7.57E-05	0.00017	<7.55E-05	<7.57E-05	<7.06E-05	0.00027	<7.55E-05	<7.55E-05	<7.42E-05	<7.42E-05	<7.57E-05	<7.10E-05	<7.42E-05
T-208		<8.62E-05	0.00098	0.00075	0.00033	0.00196	0.00374	0.00118	0.00385	0.00361	0.00139	0.00110	<8.62E-05	0.00021	0.00056	0.00242	0.00058
T-209		0.00016	<7.13E-05	0.00025	<7.15E-05	0.00015	<7.13E-05	0.00017	<6.67E-05	0.00023	<7.13E-05	<7.13E-05	<7.01E-05	<7.00E-05	0.00033	0.00017	0.00021
T-210		<7.83E-05	<7.97E-05	<7.28E-05	<8.00E-05	<8.00E-05	<7.97E-05	0.00018	<7.46E-05	<7.46E-05	<7.97E-05	<7.97E-05	<7.83E-05	<7.83E-05	<8.00E-05	<7.50E-05	<7.84E-05
T-211		<8.28E-05	<8.42E-05	<7.69E-05	<8.45E-05	<8.45E-05	<8.42E-05	<8.45E-05	<7.88E-05	<7.88E-05	<8.42E-05	<8.42E-05	<8.28E-05	<8.27E-05	<8.45E-05	<7.92E-05	<8.28E-05
T-212		<4.92E-05	0.00119	0.00140	0.00021	0.00034	0.00090	0.00019	0.00608	0.00426	0.00110	0.00050	<4.92E-05	0.00023	0.00017	0.00490	<4.92E-05
T-213		<9.89E-05	0.00092	0.00120	0.00025	0.00052	0.00066	<1.01E-04	0.00466	0.00394	0.00099	0.00030	0.00025	<9.88E-05	<1.01E-04	0.00929	<9.89E-05
T-214		<4.83E-05	<4.91E-05	<4.48E-05	<4.93E-05	<4.93E-05	<4.91E-05	<4.93E-05	<4.60E-05	<4.60E-05	<4.91E-05	<4.91E-05	<4.83E-05	<4.83E-05	<4.93E-05	<4.62E-05	<4.83E-05
T-301		<4.07E-05	0.00009	<3.78E-05	<4.15E-05	<4.15E-05	<4.14E-05	<4.15E-05	<3.88E-05	<3.88E-05	0.00028	<4.14E-05	<4.07E-05	<4.07E-05	<4.15E-05	0.00009	<4.07E-05
T-302		<5.59E-05	<5.69E-05	<5.19E-05	<5.70E-05	<5.70E-05	<5.69E-05	<5.70E-05	<5.32E-05	<5.32E-05	<5.69E-05	<5.69E-05	<5.59E-05	<5.58E-05	<5.70E-05	<5.34E-05	<5.59E-05
T-303		<6.08E-05	<6.19E-05	<5.65E-05	<6.21E-05	<6.21E-05	<6.19E-05	<6.21E-05	<5.79E-05	<5.79E-05	<6.19E-05	<6.19E-05	<6.08E-05	<6.08E-05	<6.21E-05	<5.82E-05	<6.09E-05
T-304		0.00055	<6.70E-05	0.00093	<6.72E-05	<6.72E-05	0.00015	<6.72E-05	<6.27E-05	<6.27E-05	<6.70E-05	<6.70E-05	<6.59E-05	0.01057	<6.72E-05	0.00020	<6.59E-05
T-305		0.00013	<5.12E-05	<4.67E-05	0.00111	<5.13E-05	<5.12E-05	<5.13E-05	<4.79E-05	<4.79E-05	<5.12E-05	<5.12E-05	<5.03E-05	<5.03E-05	<5.13E-05	<4.81E-05	<5.03E-05
T-306		<4.91E-05	0.00031	<4.56E-05	<5.01E-05	0.00032	<4.99E-05	<5.01E-05	0.00029	0.00024	0.00088	<4.99E-05	<4.91E-05	<4.90E-05	0.00072	<4.69E-05	<4.91E-05
T-307		0.00013	<5.83E-05	<5.32E-05	<5.85E-05	<5.85E-05	<5.83E-05	<5.85E-05	<5.45E-05	<5.45E-05	<5.83E-05	<5.83E-05	0.00012	<5.73E-05	<5.85E-05	<5.48E-05	<5.73E-05
T-308		<4.78E-05	0.00342	0.00350	0.00124	0.00017	<4.86E-05	0.00276	0.00104	0.00174	0.00273	0.00521	0.00144	<4.77E-05	0.00101	0.00042	0.00745
T-309		<4.16E-05	<4.24E-05	<3.86E-05	<4.25E-05	0.00009	0.00030	0.00053	<3.96E-05	<3.96E-05	<4.24E-05	<4.24E-05	<4.16E-05	<4.16E-05	<4.25E-05	0.00010	<4.16E-05
T-310		<5.98E-05	<6.09E-05	<5.55E-05	<6.10E-05	<6.10E-05	<6.09E-05	0.00188	<5.69E-05	<5.69E-05	<6.09E-05	<6.09E-05	<5.98E-05	<5.98E-05	<6.10E-05	<5.72E-05	<5.98E-05
T-311		<7.11E-05	<7.23E-05	<6.60E-05	0.00021	<7.25E-05	<7.23E-05	<7.25E-05	<6.77E-05	0.00023	0.00031	<7.23E-05	<7.11E-05	<7.10E-05	0.00042	0.00015	<7.11E-05
T-312		<5.14E-05	<5.23E-05	<4.78E-05	<5.25E-05	<5.25E-05	<5.23E-05	<5.25E-05	<4.90E-05	<4.90E-05	<5.23E-05	<5.23E-05	<5.14E-05	<5.14E-05	<5.25E-05	<4.92E-05	<5.15E-05
T-313		<4.30E-05	<4.38E-05	<3.99E-05	<4.39E-05	<4.39E-05	<4.38E-05	<4.39E-05	<4.09E-05	<4.09E-05	<4.38E-05	<4.38E-05	<4.30E-05	<4.30E-05	<4.39E-05	<4.11E-05	<4.30E-05
T-314		<5.23E-05	<5.33E-05	<4.86E-05	<5.34E-05	<5.34E-05	<5.33E-05	<5.34E-05	<4.98E-05	<4.98E-05	<5.33E-05	<5.33E-05	<5.23E-05	<5.23E-05	<5.34E-05	<5.01E-05	<5.24E-05
T-401		<4.00E-05	<4.07E-05	<3.71E-05	<4.08E-05	<4.08E-05	<4.07E-05	<4.08E-05	<3.81E-05	<3.81E-05	<4.07E-05	<4.07E-05	<4.00E-05	<4.00E-05	<4.08E-05	<3.83E-05	<4.00E-05
T-402		<4.05E-05	<4.12E-05	<3.76E-05	<4.13E-05	<4.13E-05	<4.12E-05	<4.13E-05	<3.85E-05	<3.85E-05	<4.12E-05	<4.12E-05	<4.05E-05	<4.05E-05	<4.13E-05	<3.87E-05	<4.05E-05
T-403		<4.45E-05	<4.53E-05	<4.14E-05	<4.55E-05	<4.55E-05	<4.53E-05	<4.55E-05	<4.24E-05	<4.24E-05	<4.53E-05	<4.53E-05	<4.45E-05	<4.45E-05	<4.55E-05	<4.26E-05	<4.46E-05
T-404		<5.44E-05	<5.53E-05	<5.05E-05	<5.55E-05	0.00024	0.00027	0.00016	<5.18E-05	<5.18E-05	<5.53E-05	0.00041	<5.44E-05	<5.44E-05	0.00015	<5.20E-05	<5.44E-05
T-405		<4.48E-05	<4.56E-05	<4.16E-05	<4.57E-05	<4.57E-05	<4.56E-05	<4.57E-05	<4.26E-05	<4.26E-05	<4.56E-05	<4.56E-05	<4.48E-05	<4.48E-05	<4.57E-05	<4.29E-05	<4.48E-05
T-406		<3.99E-05	<4.06E-05	0.00008	<4.07E-05	<4.07E-05	<4.06E-05	<4.07E-05	<3.80E-05	<3.80E-05	<4.06E-05	0.00020	<3.99E-05	<3.99E-05	<4.07E-05	<3.81E-05	<3.99E-05
T-407		<3.95E-05	<4.02E-05	<3.67E-05	<4.03E-05	<4.03E-05	<4.02E-05	<4.03E-05	<3.76E-05	<3.76E-05	0.00009	<4.02E-05	<3.95E-05	<3.95E-05	0.00044	<3.78E-05	<3.95E-05
T-408		<4.08E-05	<4.15E-05	<3.79E-05	0.00018	0.00010	<4.15E-05	<4.16E-05	0.00013	<3.88E-05	<4.15E-05	0.00019	<4.08E-05	<4.07E-05	0.00009	<3.90E-05	0.00013
T-409		<5.06E-05	<5.15E-05	0.00027	<5.16E-05	<5.16E-05	<5.15E-05	<5.16E-05	<4.81E-05	<4.81E-05	<5.15E-05	<5.15E-05	<5.06E-05	<5.05E-05	<5.16E-05	<4.84E-05	<5.06E-05
T-410		<4.80E-05	<4.89E-05	<4.46E-05	<4.90E-05	<4.90E-05	<4.89E-05	0.00012	<4.57E-05	<4.57E-05	<4.89E-05	<4.89E-05	<4.80E-05	<4.80E-05	<4.90E-05	<4.60E-05	<4.81E-05
T-411		<5.71E-05	0.00045	<5.31E-05	<5.83E-05	<5.83E-05	<5.82E-05	0.00456	<5.44E-05	<5.44E-05	<5.82E-05	<5.82E-05	<5.71E-05	<5.71E-05	<5.83E-05	<5.47E-05	<5.72E-05
T-412		0.00582	0.00170	0.00292	0.00434	0.00342	0.00161	0.00199	0.00170	0.00256	0.00107	0.00246	0.00317	<1.19E-04	0.00126	0.00054	<1.19E-04
T-413		0.00662	0.00615	0.00455	0.00955	0.00868	0.00601	0.00587	0.00180	0.00196	0.00437	0.00465	0.00196	0.00101	0.00341	0.00026	0.00045
T-414		<3.75E-05	<3.82E-05	<3.48E-05	<3.83E-05	<3.83E-05	<3.82E-05	<3.83E-05	<3.57E-05	<3.57E-05	<3.82E-05	<3.82E-05	<3.75E-05	<3.75E-05	<3.83E-05	<3.59E-05	<3.75E-05
T-501		<6.37E-05	<6.48E-05	<5.92E-05	<6.50E-05	<6.50E-05	<6.48E-05	<6.50E-05	<6.07E-05	<6.07E-05	<6.48E-05	<6.48E-05	<6.37E-05	<6.37E-05	<6.50E-05	<6.09E-05	<6.37E-05
T-502		<6.13E-05	<6.24E-05	<5.69E-05	<6.26E-05	<6.26E-05	<6.24E-05	<6.26E-05	<5.84E-05	<5.84E-05	<6.24E-05	<6.24E-05	<6.13E-05	<6.13E-05	<6.26E-05	<5.87E-05	<6.13E-05
T-503		<4.62E-05	<4.70E-05	<4.29E-05	<4.72E-05	<4.72E-05	<4.70E-05	<4.72E-05	<4.40E-05	<4.40E-05	<4.70E-05	<4.70E-05	<4.62E-05	<4.62E-05	<4.72E-05	<4.42E-05	<4.62E-05
T-504		<5.23E-05	<5.32E-05	<4.86E-05	<5.34E-05	0.00016	0.00014	<5.34E-05	0.00035	0.00017	0.00141	0.00017	<5.23E-05	0.00039	0.00066	<5.00E-05	<5.23E-05
T-505		<5.87E-05	<5.98E-05	0.00025	<5.99E-05	<5.99E-05	<5.98E-05	<5.99E-05	<5.59E-05	<5.59E-05	0.00032	<5.98E-05	0.00012	<5.87E-05	<5.99E-05	0.00016	<5.87E-05
T-506		0.00014	<6.20E-05	<5.66E-05	<6.22E-05	<6.22E-05	<6.20E-05	<6.22E-05	<5.80E-05	<5.80E-05	<6.20E-05	<6.20E-05	<6.09E-05	<6.09E-05	<6.22E-05	<5.83E-05	<6.10E-05
T-507		0.00013	<5.54E-05	<5.05E-05	<5.55E-05	<5.55E-05	<5.54E-05	<5.55E-05	<5.18E-05	<5.18E-05	<5.54E-05	<5.54E-05	<5.44E-05	<5.44E-05	<5.55E-05	<5.21E-05	<5.44E-05
T-508		0.00011	<5.00E-05	<4.56E-05	<5.01E-05	<5.01E-05	<5.00E-05	<5.01E-05	<4.67E-05	<4.67E-05	<5.00E-05	<5.00E-05	<4.91E-05	<4.91E-05	<5.01E-05	<4.70E-05	<4.91E-05
T-509		<4.12E-05	<4.20E-05	<3.83E-05	<4.21E-05	<4.21E-05	<4.20E-05	<4.21E-05	<3.93E-05	<3.93E-05	<4.20E-05	<4.20E-05	<4.12E-05	<4.12E-05	<4.21E-05	<3.95E-05	<4.13E-05
T-510		<4.81E-05	<4.90E-05	<4.47E-05	<4.91E-05	<4.91E-05	<4.90E-05	<4.91E-05	<4.59E-05	<4.59E-05	<4.90E-05	<4.90E-05	<4.81E-05	<4.81E-05	<4.91E-05	<4.61E-05	<4.82E-05
T-511		<3.94E-05	<4.01E-05	<3.66E-05	<4.02E-05	<4.02E-05	<4.01E-05	<4.02E-05	<3.75E-05	<3.75E-05	<4.01E-05	<4.01E-05	<3.94E-05	<3.94E-05	<4.02E-05	<3.77E-05	<3.94E-05
T-512		<6.40E-05	<6.51E-05	<5.94E-05	<6.53E-05	<6.53E-05	<6.51E-05	<6.53E-05	<6.09E-05	<6.09E-05	<6.51E-05	<6.51E-05	<6.40E-05	<6.40E-05	<6.53E-05	<6.12E-05	<6.40E-05
T-513		<5.46E-05	<5.56E-05	<5.07E-05	<5.57E-05	<5.57E-05	<5.56E-05	<5.57E-05	<5.20E-05	<5.20E-05	<5.56E-05	<5.56E-05	<5.46E-05	<5.46E-05	<5.57E-05	<5.23E-05	<5.46E-05
T-514		<5.08E-05	<5.17E-05	<4.72E-05	<5.18E-05	<5.18E-05	<5.17E-05	<5.18E-05	<4.84E-05	<4.84E-05	<5.17E-05	<5.17E-05	<5.08E-05	<5.08E-05	<5.18E-05	<4.86E-05	<5.08E-05

Compound	1-Butene	2,2-Dimethylbutane	3-Ethyltoluene	1,2,3-Trimethylbenzene	i-Butane	Undecane	Acetylene	2,3-Dimethylbutane	Dodecane
CAS	106-98-9	75-83-2	620-14-4	526-73-8	75-28-5	1120-21-4	74-86-2	79-29-8	112-40-3
Sample ID MW	56.1	86.2	120.2	120.2	58.1	156.3	26	86.2	170.3
Lab Data (ppbv)									
T-101	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-102	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-103	ND	ND	1.13	ND	ND	0.73	ND	ND	ND
T-104	ND	ND	0.83	ND	ND	ND	ND	ND	ND
T-105	1.88	ND	ND	ND	ND	ND	ND	ND	ND
T-106	ND	2.1	ND	ND	ND	ND	ND	ND	ND
T-107	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-108	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-109	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-110	1.01	ND	ND	ND	ND	ND	ND	ND	ND
T-111	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-112	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-113	1.01	ND	ND	ND	ND	ND	ND	ND	ND
T-114	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-201	ND	ND	1.22	0.61	ND	ND	ND	ND	ND
T-202	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-203	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-204	8.65	7.46	ND	ND	ND	0.41	ND	ND	ND
T-205	1.69	ND	ND	ND	ND	ND	ND	ND	ND
T-206	5.14	ND	ND	ND	ND	ND	ND	ND	ND
T-207	1.64	ND	0.48	ND	ND	ND	ND	ND	ND
T-208	ND	1.15	8.46	ND	ND	3.18	ND	ND	ND
T-209	ND	ND	1.61	7.06	ND	1.64	ND	ND	ND
T-210	1.13	ND	0.58	ND	ND	ND	ND	ND	ND
T-211	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-212	11.93	1.54	ND	ND	ND	ND	ND	ND	ND
T-213	5.19	2.75	ND	ND	ND	1.39	ND	ND	ND
T-214	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-301	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-302	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-303	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-304	ND	ND	1.81	ND	ND	ND	ND	ND	ND
T-305	1.33	ND	ND	ND	ND	ND	ND	ND	ND
T-306	3.5	ND	1.81	0.99	ND	ND	ND	ND	ND
T-307	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-308	ND	ND	ND	2.4	ND	ND	ND	ND	ND
T-309	2	ND	0.8	ND	ND	ND	ND	ND	ND
T-310	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-311	1.2	ND	ND	ND	ND	ND	ND	ND	ND
T-312	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-313	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-314	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-401	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-402	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-403	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-404	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-405	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-406	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-407	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-408	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-409	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-410	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-411	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-412	ND	3.96	ND	ND	4.42	ND	ND	ND	ND
T-413	2.7	10.64	ND	ND	ND	ND	ND	ND	ND
T-414	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-501	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-502	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-503	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-504	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-505	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-506	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-507	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-508	ND	ND	ND	ND	2.5	ND	ND	ND	ND
T-509	2.07	ND	ND	ND	2.5	ND	ND	ND	ND
T-510	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-511	1.14	ND	ND	ND	ND	ND	ND	ND	ND
T-512	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-513	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-514	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compounds that are all non-detect are highlighted in green.

Compound	1-Butene	2,2-Dimethylbutane	3-Ethyltoluene	1,2,3-Trimethylbenzene	i-Butane	Undecane	Acetylene	2,3-Dimethylbutane	Dodecane
CAS	106-98-9	75-83-2	620-14-4	526-73-8	75-28-5	1120-21-4	74-86-2	79-29-8	112-40-3
Sample ID MW	56.1	86.2	120.2	120.2	58.1	156.3	26	86.2	170.3
MDL (ppbv)									
T-101	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-102	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-103	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-104	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-105	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-106	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-107	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-108	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-109	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-110	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-111	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-112	2.62	1.7466667	1.1644444	1.1644444	2.62	0.9527273	5.24	1.7466667	0.8733333
T-113	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-114	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-201	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-202	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-203	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-204	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-205	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-206	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-207	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-208	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-209	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-210	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-211	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-212	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-213	2	1.3333333	0.8888889	0.8888889	2	0.7272727	4	1.3333333	0.6666667
T-214	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-301	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-302	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-303	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-304	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-305	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-306	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-307	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-308	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-309	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-310	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-311	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-312	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-313	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-314	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-401	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-402	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-403	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-404	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-405	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-406	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-407	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-408	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-409	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-410	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-411	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-412	3.02	2.0133333	1.3422222	1.3422222	3.02	1.0981818	6.04	2.0133333	1.0066667
T-413	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-414	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-501	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-502	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-503	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-504	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-505	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-506	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-507	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-508	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-509	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-510	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-511	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-512	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-513	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333
T-514	1	0.6666667	0.4444444	0.4444444	1	0.3636364	2	0.6666667	0.3333333

Compounds that are all non-detect are highlighted in green.

Sample ID	Compound	1-Butene	2,2-Dimethylbutane	3-Ethyltoluene	1,2,3-Trimethylbenzene	i-Butane	Undecane	Acetylene	2,3-Dimethylbutane	Dodecane	oF	oC	oK	RT
	CAS	106-98-9	75-83-2	620-14-4	526-73-8	75-28-5	1120-21-4	74-86-2	79-29-8	112-40-3				
	MW	56.1	86.2	120.2	120.2	58.1	156.3	26	86.2	170.3				
Data Used (ug/m3														
T-101		<1.11E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.15E+00	<1.13E+00	<1.03E+00	<1.14E+00	<1.13E+00	93	33.9	307.039	25.1948
T-102		<1.11E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.15E+00	<1.12E+00	<1.03E+00	<1.13E+00	<1.12E+00	96	35.6	308.706	25.3316
T-103		<1.11E+00	<1.13E+00	5.4	<1.05E+00	<1.15E+00	4.5	<1.03E+00	<1.13E+00	<1.12E+00	96	35.6	308.706	25.3316
T-104		<1.12E+00	<1.14E+00	4.0	<1.06E+00	<1.16E+00	<1.13E+00	<1.04E+00	<1.14E+00	<1.13E+00	91	32.8	305.928	25.1036
T-105		4.1	<1.13E+00	<1.05E+00	<1.05E+00	<1.14E+00	<1.11E+00	<1.02E+00	<1.13E+00	<1.11E+00	100	37.8	310.928	25.5139
T-106		<1.10E+00	7.1	<1.05E+00	<1.05E+00	<1.14E+00	<1.11E+00	<1.02E+00	<1.12E+00	<1.11E+00	101	38.3	311.483	25.5595
T-107		<1.10E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.14E+00	<1.11E+00	<1.02E+00	<1.13E+00	<1.11E+00	100	37.8	310.928	25.5139
T-108		<1.09E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.01E+00	<1.12E+00	<1.11E+00	103	39.4	312.594	25.6507
T-109		<1.07E+00	<1.09E+00	<1.01E+00	<1.01E+00	<1.10E+00	<1.08E+00	<9.87E-01	<1.09E+00	<1.08E+00	118	47.8	320.928	26.3345
T-110		2.2	<1.10E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.92E-01	<1.10E+00	<1.08E+00	115	46.1	319.261	26.1977
T-111		<1.07E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.92E-01	<1.10E+00	<1.08E+00	115	46.1	319.261	26.1977
T-112		<2.74E+00	<2.81E+00	<2.61E+00	<2.61E+00	<2.84E+00	<2.78E+00	<2.54E+00	<2.81E+00	<2.78E+00	128	53.3	326.483	26.7904
T-113		2.1	<1.07E+00	<9.97E-01	<9.97E-01	<1.08E+00	<1.06E+00	<9.70E-01	<1.07E+00	<1.06E+00	128	53.3	326.483	26.7904
T-114		<1.15E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.19E+00	<1.17E+00	<1.07E+00	<1.18E+00	<1.16E+00	75	23.9	297.039	24.3742
T-201		<1.12E+00	<1.14E+00	5.8	2.9	<1.16E+00	<1.13E+00	<1.04E+00	<1.14E+00	<1.13E+00	91	32.8	305.928	25.1036
T-202		<1.12E+00	<1.15E+00	<1.07E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.04E+00	<1.15E+00	<1.13E+00	89	31.7	304.817	25.0125
T-203		<1.12E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.16E+00	<1.13E+00	<1.04E+00	<1.14E+00	<1.13E+00	91	32.8	305.928	25.1036
T-204		19.1	25.3	<1.05E+00	<1.05E+00	<1.14E+00	2.5	<1.02E+00	<1.13E+00	<1.12E+00	98	36.7	309.817	25.4227
T-205		3.6	<1.09E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.91E-01	<1.09E+00	<1.08E+00	116	46.7	319.817	26.2433
T-206		10.8	<1.08E+00	<1.00E+00	<1.00E+00	<1.09E+00	<1.07E+00	<9.77E-01	<1.08E+00	<1.07E+00	124	51.1	324.261	26.608
T-207		3.4	<1.07E+00	2.1	<9.95E-01	<1.08E+00	<1.06E+00	<9.69E-01	<1.07E+00	<1.06E+00	129	53.9	327.039	26.8359
T-208		<1.06E+00	3.7	38.4	<1.01E+00	<1.10E+00	18.8	<9.82E-01	<1.09E+00	<1.07E+00	121	49.4	322.594	26.4713
T-209		<1.06E+00	<1.09E+00	7.3	32.1	<1.10E+00	9.7	<9.82E-01	<1.09E+00	<1.07E+00	121	49.4	322.594	26.4713
T-210		2.3	<1.05E+00	2.6	<9.79E-01	<1.06E+00	<1.04E+00	<9.53E-01	<1.05E+00	<1.04E+00	139	59.4	332.594	27.2918
T-211		<1.05E+00	<1.07E+00	<9.99E-01	<9.99E-01	<1.09E+00	<1.06E+00	<9.72E-01	<1.07E+00	<1.06E+00	127	52.8	325.928	26.7448
T-212		24.5	4.9	<9.77E-01	<9.77E-01	<1.06E+00	<1.04E+00	<9.51E-01	<1.05E+00	<1.04E+00	140	60	333.15	27.3374
T-213		10.7	8.7	<1.95E+00	<1.95E+00	<2.13E+00	7.9	<1.90E+00	<2.10E+00	<2.08E+00	140	60	333.15	27.3374
T-214		<1.15E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.19E+00	<1.17E+00	<1.07E+00	<1.18E+00	<1.16E+00	75	23.9	297.039	24.3742
T-301		<1.12E+00	<1.15E+00	<1.07E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.04E+00	<1.15E+00	<1.13E+00	89	31.7	304.817	25.0125
T-302		<1.12E+00	<1.15E+00	<1.07E+00	<1.07E+00	<1.16E+00	<1.14E+00	<1.04E+00	<1.15E+00	<1.13E+00	89	31.7	304.817	25.0125
T-303		<1.14E+00	<1.16E+00	<1.08E+00	<1.08E+00	<1.18E+00	<1.15E+00	<1.05E+00	<1.16E+00	<1.15E+00	82	27.8	300.928	24.6933
T-304		<1.13E+00	<1.15E+00	8.7	<1.07E+00	<1.17E+00	<1.14E+00	<1.04E+00	<1.15E+00	<1.14E+00	87	30.6	303.706	24.9213
T-305		2.9	<1.11E+00	<1.03E+00	<1.03E+00	<1.12E+00	<1.09E+00	<1.00E+00	<1.11E+00	<1.09E+00	110	43.3	316.483	25.9698
T-306		7.6	<1.11E+00	8.4	4.6	<1.12E+00	<1.10E+00	<1.00E+00	<1.11E+00	<1.09E+00	109	42.8	315.928	25.9242
T-307		<1.08E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.00E+00	<1.11E+00	<1.10E+00	108	42.2	315.372	25.8786
T-308		<1.10E+00	<1.13E+00	<1.05E+00	11.3	<1.14E+00	<1.12E+00	<1.02E+00	<1.13E+00	<1.11E+00	99	37.2	310.372	25.4683
T-309		4.3	<1.11E+00	3.7	<1.03E+00	<1.12E+00	<1.10E+00	<1.00E+00	<1.11E+00	<1.09E+00	109	42.8	315.928	25.9242
T-310		<1.07E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.91E-01	<1.09E+00	<1.08E+00	116	46.7	319.817	26.2433
T-311		2.6	<1.11E+00	<1.03E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.00E+00	<1.11E+00	<1.10E+00	108	42.2	315.372	25.8786
T-312		<1.07E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.09E+00	<9.94E-01	<1.10E+00	<1.09E+00	114	45.6	318.706	26.1521
T-313		<1.07E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.09E+00	<9.94E-01	<1.10E+00	<1.09E+00	114	45.6	318.706	26.1521
T-314		<1.15E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.19E+00	<1.17E+00	<1.07E+00	<1.18E+00	<1.16E+00	75	23.9	297.039	24.3742
T-401		<1.11E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.15E+00	<1.13E+00	<1.03E+00	<1.14E+00	<1.12E+00	94	34.4	307.594	25.2404
T-402		<1.10E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.02E+00	<1.12E+00	<1.11E+00	102	38.9	312.039	25.6051
T-403		<1.09E+00	<1.11E+00	<1.03E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.01E+00	<1.11E+00	<1.10E+00	107	41.7	314.817	25.833
T-404		<1.10E+00	<1.12E+00	<1.05E+00	<1.05E+00	<1.14E+00	<1.11E+00	<1.02E+00	<1.12E+00	<1.11E+00	101	38.3	311.483	25.5595
T-405		<1.07E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.09E+00	<9.94E-01	<1.10E+00	<1.09E+00	114	45.6	318.706	26.1521
T-406		<1.06E+00	<1.09E+00	<1.01E+00	<1.01E+00	<1.10E+00	<1.08E+00	<9.84E-01	<1.09E+00	<1.07E+00	120	48.9	322.039	26.4257
T-407		<1.07E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.91E-01	<1.09E+00	<1.08E+00	116	46.7	319.817	26.2433
T-408		<1.09E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.01E+00	<1.12E+00	<1.10E+00	104	40	313.15	25.6963
T-409		<1.07E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.89E-01	<1.09E+00	<1.08E+00	117	47.2	320.372	26.2889
T-410		<1.07E+00	<1.10E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.92E-01	<1.10E+00	<1.08E+00	115	46.1	319.261	26.1977
T-411		<1.06E+00	<1.08E+00	<1.01E+00	<1.01E+00	<1.09E+00	<1.07E+00	<9.79E-01	<1.08E+00	<1.07E+00	123	50.6	323.706	26.5624
T-412		<3.27E+00	13.2	<3.11E+00	<3.11E+00	9.9	<3.31E+00	<3.03E+00	<3.35E+00	<3.31E+00	109	42.8	315.928	25.9242
T-413		5.8	35.4	<1.03E+00	<1.03E+00	<1.12E+00	<1.10E+00	<1.00E+00	<1.11E+00	<1.09E+00	109	42.8	315.928	25.9242
T-414		<1.15E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.19E+00	<1.17E+00	<1.07E+00	<1.18E+00	<1.16E+00	75	23.9	297.039	24.3742
T-501		<1.11E+00	<1.14E+00	<1.06E+00	<1.06E+00	<1.15E+00	<1.13E+00	<1.03E+00	<1.14E+00	<1.13E+00	93	33.9	307.039	25.1948
T-502		<1.11E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.14E+00	<1.12E+00	<1.02E+00	<1.13E+00	<1.12E+00	97	36.1	309.261	25.3772
T-503		<1.10E+00	<1.13E+00	<1.05E+00	<1.05E+00	<1.14E+00	<1.12E+00	<1.02E+00	<1.13E+00	<1.12E+00	98	36.7	309.817	25.4227
T-504		<1.09E+00	<1.12E+00	<1.04E+00	<1.04E+00	<1.13E+00	<1.11E+00	<1.01E+00	<1.12E+00	<1.11E+00	103	39.4	312.594	25.6507
T-505		<1.04E+00	<1.07E+00	<9.92E-01	<9.92E-01	<1.08E+00	<1.06E+00	<9.66E-01	<1.07E+00	<1.05E+00	131	55	328.15	26.9271
T-506		<1.05E+00	<1.07E+00	<9.97E-01	<9.97E-01	<1.08E+00	<1.06E+00	<9.70E-01	<1.07E+00	<1.06E+00	128	53.3	326.483	26.7904
T-507		<1.05E+00	<1.07E+00	<9.97E-01	<9.97E-01	<1.08E+00	<1.06E+00	<9.70E-01	<1.07E+00	<1.06E+00	128	53.3	326.483	26.7904
T-508		<1.05E+00	<1.08E+00	<1.00E+00	<1.00E+00	5.4	<1.07E+00	<9.75E-01	<1.08E+00	<1.06E+00	125	51.7	324.817	26.6536
T-509		4.4	<1.10E+00	<1.02E+00	<1.02E+00	5.6	<1.09E+00	<9.96E-01	<1.10E+00	<1.09E+00	113	45	318.15	26.1066
T-510		<1.07E+00	<1.09E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.08E+00	<9.89E-01	<1.09E+00	<1.08E+00	117	47.2	320.372	26.2889
T-511		2.4	<1.10E+00	<1.02E+00	<1.02E+00	<1.11E+00	<1.09E+00	<9.96E-01	<1.10E+00	<1.09E+00	113	45	318.15	26.1066
T-512		<1.06E+00	<1.09E+00	<1.01E+00	<1.01E+00	<1.10E+00	<1.07E+00	<9.82E-01	<1.09E+00	<1.07E+00	121	49.4	322.594	26.4713
T-513		<1.06E+00	<1.09E+00	<1.01E+00	<1.01E+00	<1.10E+00	<1.07E+00	<9.82E-01	<1.09E+00	<1.07E+00	121	49.4	322.594	26.4713
T-514		<1.15E+00	<1.18E+00	<1.10E+00	<1.10E+00	<1.19E+00	<1.17E+00	<1.07E+00	<1.18E+00	<1.16E+00	75	23.9	297.039	24.3742

Sample ID	Compound	CAS	MW	1-Butene	2,2-Dimethylbutane	3-Ethyltoluene	1,2,3-Trimethylbenzene	i-Butane	Undecane	Acetylene	2,3-Dimethylbutane	Dodecane	Flow (m3/min)
Flux (mg/m2-min)													
T-101				<4.58E-05	<4.69E-05	<4.36E-05	<4.36E-05	<4.75E-05	<4.64E-05	<4.25E-05	<4.69E-05	<4.64E-05	0.005
T-102				<3.88E-05	<3.97E-05	<3.69E-05	<3.69E-05	<4.02E-05	<3.93E-05	<3.59E-05	<3.97E-05	<3.92E-05	0.005
T-103				<4.17E-05	<4.27E-05	0.00020	<3.97E-05	<4.32E-05	0.00017	<3.87E-05	<4.27E-05	<4.22E-05	0.005
T-104				<4.13E-05	<4.23E-05	0.00015	<3.93E-05	<4.27E-05	<4.18E-05	<3.83E-05	<4.23E-05	<4.18E-05	0.005
T-105				0.00015	<4.09E-05	<3.80E-05	<3.80E-05	<4.14E-05	<4.05E-05	<3.70E-05	<4.09E-05	<4.04E-05	0.005
T-106				<3.89E-05	0.00025	<3.70E-05	<3.70E-05	<4.03E-05	<3.94E-05	<3.61E-05	<3.98E-05	<3.94E-05	0.005
T-107				<4.07E-05	<4.17E-05	<3.88E-05	<3.88E-05	<4.22E-05	<4.13E-05	<3.77E-05	<4.17E-05	<4.12E-05	0.005
T-108				<5.41E-05	<5.54E-05	<5.15E-05	<5.15E-05	<5.60E-05	<5.48E-05	<5.01E-05	<5.54E-05	<5.47E-05	0.006
T-109				<5.01E-05	<5.13E-05	<4.77E-05	<4.77E-05	<5.19E-05	<5.07E-05	<4.64E-05	<5.13E-05	<5.07E-05	0.006
T-110				0.00008	<4.10E-05	<3.81E-05	<3.81E-05	<4.14E-05	<4.05E-05	<3.71E-05	<4.10E-05	<4.05E-05	0.005
T-111				<5.80E-05	<5.94E-05	<5.52E-05	<5.52E-05	<6.01E-05	<5.88E-05	<5.38E-05	<5.94E-05	<5.87E-05	0.007
T-112				<1.04E-04	<1.07E-04	<9.92E-05	<9.92E-05	<1.08E-04	<1.06E-04	<9.66E-05	<1.07E-04	<1.05E-04	0.005
T-113				0.00009	<4.44E-05	<4.13E-05	<4.13E-05	<4.49E-05	<4.40E-05	<4.02E-05	<4.44E-05	<4.39E-05	0.005
T-114				<4.38E-05	<4.48E-05	<4.17E-05	<4.17E-05	<4.53E-05	<4.44E-05	<4.06E-05	<4.48E-05	<4.43E-05	0.005
T-201				<4.14E-05	<4.24E-05	0.00022	0.00011	<4.29E-05	<4.19E-05	<3.84E-05	<4.24E-05	<4.19E-05	0.005
T-202				<4.47E-05	<4.57E-05	<4.25E-05	<4.25E-05	<4.62E-05	<4.52E-05	<4.14E-05	<4.57E-05	<4.52E-05	0.005
T-203				<4.81E-05	<4.92E-05	<4.58E-05	<4.58E-05	<4.98E-05	<4.87E-05	<4.46E-05	<4.92E-05	<4.86E-05	0.006
T-204				0.00074	0.00098	<4.07E-05	<4.07E-05	<4.42E-05	0.00010	<3.96E-05	<4.38E-05	<4.32E-05	0.005
T-205				0.00020	<5.96E-05	<5.54E-05	<5.54E-05	<6.03E-05	<5.90E-05	<5.40E-05	<5.96E-05	<5.89E-05	0.007
T-206				0.00064	<6.33E-05	<5.89E-05	<5.89E-05	<6.40E-05	<6.27E-05	<5.73E-05	<6.33E-05	<6.26E-05	0.008
T-207				0.00024	<7.60E-05	0.00015	<7.06E-05	<7.68E-05	<7.52E-05	<6.88E-05	<7.60E-05	<7.51E-05	0.009
T-208				<8.62E-05	0.00030	0.00312	<8.20E-05	<8.92E-05	0.00153	<7.99E-05	<8.83E-05	<8.72E-05	0.011
T-209				<7.01E-05	<7.18E-05	0.00048	0.00212	<7.26E-05	0.00064	<6.49E-05	<7.18E-05	<7.09E-05	0.009
T-210				0.00018	<8.03E-05	0.00019	<7.46E-05	<8.11E-05	<7.94E-05	<7.26E-05	<8.03E-05	<7.93E-05	0.010
T-211				<8.28E-05	<8.48E-05	<7.88E-05	<7.88E-05	<8.57E-05	<8.39E-05	<7.67E-05	<8.48E-05	<8.37E-05	0.010
T-212				0.00117	0.00023	<4.68E-05	<4.68E-05	<5.09E-05	<4.98E-05	<4.56E-05	<5.04E-05	<4.98E-05	0.006
T-213				0.00051	0.00042	<9.42E-05	<9.42E-05	<1.02E-04	0.00038	<9.16E-05	<1.01E-04	<1.00E-04	0.006
T-214				<4.83E-05	<4.95E-05	<4.60E-05	<4.60E-05	<5.00E-05	<4.89E-05	<4.48E-05	<4.95E-05	<4.89E-05	0.005
T-301				<4.07E-05	<4.17E-05	<3.88E-05	<3.88E-05	<4.22E-05	<4.12E-05	<3.77E-05	<4.17E-05	<4.12E-05	0.005
T-302				<5.59E-05	<5.72E-05	<5.32E-05	<5.32E-05	<5.79E-05	<5.66E-05	<5.18E-05	<5.72E-05	<5.65E-05	0.006
T-303				<6.08E-05	<6.23E-05	<5.79E-05	<5.79E-05	<6.30E-05	<6.16E-05	<5.64E-05	<6.23E-05	<6.16E-05	0.007
T-304				<6.59E-05	<6.75E-05	0.00051	<6.27E-05	<6.82E-05	<6.67E-05	<6.10E-05	<6.75E-05	<6.66E-05	0.008
T-305				0.00013	<5.15E-05	<4.79E-05	<4.79E-05	<5.21E-05	<5.09E-05	<4.66E-05	<5.15E-05	<5.09E-05	0.006
T-306				0.00034	<5.02E-05	0.00038	0.00021	<5.08E-05	<4.97E-05	<4.55E-05	<5.02E-05	<4.96E-05	0.006
T-307				<5.73E-05	<5.87E-05	<5.45E-05	<5.45E-05	<5.93E-05	<5.80E-05	<5.31E-05	<5.87E-05	<5.80E-05	0.007
T-308				<4.78E-05	<4.89E-05	<4.55E-05	0.00049	<4.95E-05	<4.84E-05	<4.43E-05	<4.89E-05	<4.83E-05	0.006
T-309				0.00017	<4.26E-05	0.00014	<3.96E-05	<4.31E-05	<4.22E-05	<3.86E-05	<4.26E-05	<4.21E-05	0.005
T-310				<5.98E-05	<6.13E-05	<5.69E-05	<5.69E-05	<6.19E-05	<6.06E-05	<5.54E-05	<6.13E-05	<6.05E-05	0.007
T-311				0.00017	<7.28E-05	<6.77E-05	<6.77E-05	<7.36E-05	<7.20E-05	<6.59E-05	<7.28E-05	<7.19E-05	0.009
T-312				<5.14E-05	<5.27E-05	<4.90E-05	<4.90E-05	<5.33E-05	<5.21E-05	<4.77E-05	<5.27E-05	<5.20E-05	0.006
T-313				<4.30E-05	<4.40E-05	<4.09E-05	<4.09E-05	<4.45E-05	<4.36E-05	<3.99E-05	<4.40E-05	<4.35E-05	0.005
T-314				<5.23E-05	<5.36E-05	<4.98E-05	<4.98E-05	<5.42E-05	<5.30E-05	<4.85E-05	<5.36E-05	<5.29E-05	0.006
T-401				<4.00E-05	<4.10E-05	<3.81E-05	<3.81E-05	<4.14E-05	<4.05E-05	<3.71E-05	<4.10E-05	<4.05E-05	0.005
T-402				<4.05E-05	<4.15E-05	<3.85E-05	<3.85E-05	<4.19E-05	<4.10E-05	<3.75E-05	<4.15E-05	<4.10E-05	0.005
T-403				<4.45E-05	<4.56E-05	<4.24E-05	<4.24E-05	<4.61E-05	<4.51E-05	<4.13E-05	<4.56E-05	<4.51E-05	0.005
T-404				<5.44E-05	<5.57E-05	<5.18E-05	<5.18E-05	<5.63E-05	<5.51E-05	<5.04E-05	<5.57E-05	<5.50E-05	0.006
T-405				<4.48E-05	<4.59E-05	<4.26E-05	<4.26E-05	<4.64E-05	<4.54E-05	<4.15E-05	<4.59E-05	<4.53E-05	0.005
T-406				<3.99E-05	<4.08E-05	<3.80E-05	<3.80E-05	<4.13E-05	<4.04E-05	<3.70E-05	<4.08E-05	<4.03E-05	0.005
T-407				<3.95E-05	<4.05E-05	<3.76E-05	<3.76E-05	<4.09E-05	<4.00E-05	<3.66E-05	<4.05E-05	<4.00E-05	0.005
T-408				<4.08E-05	<4.17E-05	<3.88E-05	<3.88E-05	<4.22E-05	<4.13E-05	<3.78E-05	<4.17E-05	<4.12E-05	0.005
T-409				<5.06E-05	<5.18E-05	<4.81E-05	<4.81E-05	<5.24E-05	<5.12E-05	<4.69E-05	<5.18E-05	<5.12E-05	0.006
T-410				<4.80E-05	<4.92E-05	<4.57E-05	<4.57E-05	<4.97E-05	<4.87E-05	<4.45E-05	<4.92E-05	<4.86E-05	0.006
T-411				<5.71E-05	<5.85E-05	<5.44E-05	<5.44E-05	<5.92E-05	<5.79E-05	<5.30E-05	<5.85E-05	<5.78E-05	0.007
T-412				<1.19E-04	0.00048	<1.14E-04	<1.14E-04	0.00036	<1.21E-04	<1.11E-04	<1.22E-04	<1.21E-04	0.005
T-413				0.00021	0.00128	<3.73E-05	<3.73E-05	<4.05E-05	<3.96E-05	<3.63E-05	<4.01E-05	<3.96E-05	0.005
T-414				<3.75E-05	<3.84E-05	<3.57E-05	<3.57E-05	<3.88E-05	<3.80E-05	<3.48E-05	<3.84E-05	<3.79E-05	0.004
T-501				<6.37E-05	<6.52E-05	<6.07E-05	<6.07E-05	<6.60E-05	<6.45E-05	<5.90E-05	<6.52E-05	<6.44E-05	0.007
T-502				<6.13E-05	<6.28E-05	<5.84E-05	<5.84E-05	<6.35E-05	<6.21E-05	<5.68E-05	<6.28E-05	<6.20E-05	0.007
T-503				<4.62E-05	<4.73E-05	<4.40E-05	<4.40E-05	<4.79E-05	<4.68E-05	<4.28E-05	<4.73E-05	<4.68E-05	0.005
T-504				<5.23E-05	<5.36E-05	<4.98E-05	<4.98E-05	<5.42E-05	<5.30E-05	<4.85E-05	<5.36E-05	<5.29E-05	0.006
T-505				<5.87E-05	<6.01E-05	<5.59E-05	<5.59E-05	<6.08E-05	<5.95E-05	<5.44E-05	<6.01E-05	<5.94E-05	0.007
T-506				<6.09E-05	<6.24E-05	<5.80E-05	<5.80E-05	<6.31E-05	<6.17E-05	<5.65E-05	<6.24E-05	<6.17E-05	0.008
T-507				<5.44E-05	<5.57E-05	<5.18E-05	<5.18E-05	<5.63E-05	<5.51E-05	<5.04E-05	<5.57E-05	<5.51E-05	0.007
T-508				<4.91E-05	<5.03E-05	<4.67E-05	<4.67E-05	0.00025	<4.97E-05	<4.55E-05	<5.03E-05	<4.97E-05	0.006
T-509				0.00017	<4.22E-05	<3.93E-05	<3.93E-05	0.00021	<4.18E-05	<3.82E-05	<4.22E-05	<4.17E-05	0.005
T-510				<4.81E-05	<4.93E-05	<4.59E-05	<4.59E-05	<4.99E-05	<4.88E-05	<4.46E-05	<4.93E-05	<4.87E-05	0.006
T-511				0.00009	<4.04E-05	<3.75E-05	<3.75E-05	<4.08E-05	<3.99E-05	<3.65E-05	<4.04E-05	<3.99E-05	0.005
T-512				<6.40E-05	<6.56E-05	<6.09E-05	<6.09E-05	<6.63E-05	<6.48E-05	<5.93E-05	<6.56E-05	<6.48E-05	0.008
T-513				<5.46E-05	<5.59E-05	<5.20E-05	<5.20E-05	<5.66E-05	<5.53E-05	<5.06E-05	<5.59E-05	<5.53E-05	0.007
T-514				<5.08E-05	<5.20E-05	<4.84E-05	<4.84E-05	<5.26E-05	<5.15E-05	<4.71E-05	<5.20E-05	<5.14E-05	0.006

Compound	Total Reduced Sulfurs	Hydrogen Sulfide	sec-Butyl Mercaptan / Thiophene	Isopropyl Mercaptan	Total Unidentified Sulfur	COS / SO2	3-Methylthiophene	iso-Butyl Mercaptan	Carbon Disulfide	Methyl Mercaptan	Diethyl Disulfide	tert-Butyl Mercaptan	2-Methylthiophene	Ethyl Mercaptan	n-Propyl Mercaptan	Bromothiophene	Tetrahydrothiophene	Dimethyl Sulfide
CAS	7783-06-4	7783-06-4	513-53-1	75-33-2	7783-06-4	463-58-1	616-44-4	513-44-0	75-15-0	74-93-1	110-81-6	75-66-1	554-14-3	75-08-1	107-03-9	1003-09-4	110-01-0	75-18-3
Sample ID MW	34.08	34.08	90.186	76.16	34.08	60.08	98.17	90.186	76.14	48.11	122.252	90.186	98.16	62.134	76.16	163.04	88.17	62.134
Lab Data (ppmv)																		
S-101a	0.010	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-102a	0.005	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-103a	0.013	0.013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-104a	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-105a	0.009	0.009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-106a	0.008	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-107a	0.008	0.008	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-108a	0.010	0.010	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-109a	0.028	0.028	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-110a	0.012	0.012	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-111a	0.009	0.009	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-112a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-113a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-114a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-201a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-202a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-203a	0.007	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-204a	11.000	8.160	1.190	1.180	0.065	0.105	0.089	0.082	0.035	0.027	0.027	0.018	0.026	0.023	0.021	0.008	0.006	0.005
S-205a	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-206a	0.007	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-207a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-208a	0.118	0.007	0.025	0.016	0.048	0.005	0.008	0.006	ND	ND	ND	0.008	ND	ND	ND	ND	ND	ND
S-209a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-210a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-211a	0.005	0.005	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-212a	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-213a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-214a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-301a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-302a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-303a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-304a	0.006	0.006	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-305a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-306a	0.007	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-307a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-308a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-309a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-310a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-311a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-312a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-313a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-314a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-401a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-402a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-403a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-404a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-405a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-406a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-407a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-408a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-409a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-410a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-411a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-412a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-413a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-414a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-501a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-502a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-503a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-504a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-505a	0.007	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-506a	0.007	0.007	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-507a	0.011	0.011	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-508a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-509a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-510a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-511a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-512a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-513a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
S-514a	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Compound	Total Reduced Sulfurs	Hydrogen Sulfide	sec-Butyl Mercaptan / Thiophene	Isopropyl Mercaptan	Total Unidentified Sulfur	COS / SO2	3-Methylthiophene	iso-Butyl Mercaptan	Carbon Disulfide	Methyl Mercaptan	Diethyl Disulfide	tert-Butyl Mercaptan	2-Methylthiophene	Ethyl Mercaptan	n-Propyl Mercaptan	Bromothiophene	Tetrahydrothiophene	Dimethyl Sulfide
CAS	7783-06-4	7783-06-4	513-53-1	75-33-2	7783-06-4	463-58-1	616-44-4	513-44-0	75-15-0	74-93-1	110-81-6	75-66-1	554-14-3	75-08-1	107-03-9	1003-09-4	110-01-0	75-18-3
Sample ID MW	34.08	34.08	90.186	76.16	34.08	60.08	98.17	90.186	76.14	48.11	122.252	90.186	98.16	62.134	76.16	163.04	88.17	62.134
MDL (ppmv)																		
S-101a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-102a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-103a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-104a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-105a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-106a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-107a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-108a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-109a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-110a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-111a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-112a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-113a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-114a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-201a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-202a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-203a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-204a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-205a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-206a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-207a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-208a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-209a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-210a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-211a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-212a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-213a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-214a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-301a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-302a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-303a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-304a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-305a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-306a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-307a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-308a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-309a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-310a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-311a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-312a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-313a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-314a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-401a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-402a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-403a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-404a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-405a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-406a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-407a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-408a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-409a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-410a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-411a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-412a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-413a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-414a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-501a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-502a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-503a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-504a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-505a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-506a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-507a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-508a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-509a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-510a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-511a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-512a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-513a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005
S-514a	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005	0.005

Sample ID	Compound	Total Reduced Sulfurs	Hydrogen Sulfide	sec-Butyl Mercaptan / Thiophene	Isopropyl Mercaptan	Total Unidentified Sulfur	COS / SO2	3-Methylthiophene	iso-Butyl Mercaptan	Carbon Disulfide	Methyl Mercaptan	Diethyl Disulfide	tert-Butyl Mercaptan	2-Methylthiophene	Ethyl Mercaptan	n-Propyl Mercaptan	Bromothiophene	Tetrahydrothiophene	Dimethyl Sulfide
	CAS	7783-06-4	7783-06-4	513-53-1	75-33-2	7783-06-4	463-58-1	616-44-4	513-44-0	75-15-0	74-93-1	110-81-6	75-66-1	554-14-3	75-08-1	107-03-9	1003-09-4	110-01-0	75-18-3
	MW	34.08	34.08	90.186	76.16	34.08	60.08	98.17	90.186	76.14	48.11	122.252	90.186	98.16	62.134	76.16	163.04	88.17	62.134
Data Used (mg/m3)																			
S-101a		0.0135	0.0135	<8.95E-03	<7.56E-03	<3.38E-03	<5.96E-03	<9.74E-03	<8.95E-03	<7.56E-03	<4.77E-03	<1.21E-02	<8.95E-03	<9.74E-03	<6.17E-03	<7.56E-03	<1.62E-02	<8.75E-03	<6.17E-03
S-102a		0.0067	0.0067	<8.90E-03	<7.52E-03	<3.36E-03	<5.93E-03	<9.69E-03	<8.90E-03	<7.51E-03	<4.75E-03	<1.21E-02	<8.90E-03	<9.69E-03	<6.13E-03	<7.52E-03	<1.61E-02	<8.70E-03	<6.13E-03
S-103a		0.0175	0.0175	<8.90E-03	<7.52E-03	<3.36E-03	<5.93E-03	<9.69E-03	<8.90E-03	<7.51E-03	<4.75E-03	<1.21E-02	<8.90E-03	<9.69E-03	<6.13E-03	<7.52E-03	<1.61E-02	<8.70E-03	<6.13E-03
S-104a		0.0081	0.0081	<8.98E-03	<7.58E-03	<3.39E-03	<5.98E-03	<9.78E-03	<8.98E-03	<7.58E-03	<4.79E-03	<1.22E-02	<8.98E-03	<9.78E-03	<6.19E-03	<7.58E-03	<1.62E-02	<8.78E-03	<6.19E-03
S-105a		0.0120	0.0120	<8.84E-03	<7.46E-03	<3.34E-03	<5.89E-03	<9.62E-03	<8.84E-03	<7.46E-03	<4.71E-03	<1.20E-02	<8.84E-03	<9.62E-03	<6.09E-03	<7.46E-03	<1.60E-02	<8.64E-03	<6.09E-03
S-106a		0.0107	0.0107	<8.82E-03	<7.45E-03	<3.33E-03	<5.88E-03	<9.60E-03	<8.82E-03	<7.45E-03	<4.71E-03	<1.20E-02	<8.82E-03	<9.60E-03	<6.08E-03	<7.45E-03	<1.59E-02	<8.62E-03	<6.08E-03
S-107a		0.0107	0.0107	<8.84E-03	<7.46E-03	<3.34E-03	<5.89E-03	<9.62E-03	<8.84E-03	<7.46E-03	<4.71E-03	<1.20E-02	<8.84E-03	<9.62E-03	<6.09E-03	<7.46E-03	<1.60E-02	<8.64E-03	<6.09E-03
S-108a		0.0133	0.0133	<8.79E-03	<7.42E-03	<3.32E-03	<5.86E-03	<9.57E-03	<8.79E-03	<7.42E-03	<4.69E-03	<1.19E-02	<8.79E-03	<9.57E-03	<6.06E-03	<7.42E-03	<1.59E-02	<8.59E-03	<6.06E-03
S-109a		0.0362	0.0362	<8.56E-03	<7.23E-03	<3.24E-03	<5.70E-03	<9.32E-03	<8.56E-03	<7.23E-03	<4.57E-03	<1.16E-02	<8.56E-03	<9.32E-03	<5.90E-03	<7.23E-03	<1.55E-02	<8.37E-03	<5.90E-03
S-110a		0.0156	0.0156	<8.61E-03	<7.27E-03	<3.25E-03	<5.73E-03	<9.37E-03	<8.61E-03	<7.27E-03	<4.59E-03	<1.17E-02	<8.61E-03	<9.37E-03	<5.93E-03	<7.27E-03	<1.56E-02	<8.41E-03	<5.93E-03
S-111a		0.0117	0.0117	<8.61E-03	<7.27E-03	<3.25E-03	<5.73E-03	<9.37E-03	<8.61E-03	<7.27E-03	<4.59E-03	<1.17E-02	<8.61E-03	<9.37E-03	<5.93E-03	<7.27E-03	<1.56E-02	<8.41E-03	<5.93E-03
S-112a		<3.18E-03	<3.18E-03	<8.42E-03	<7.11E-03	<3.18E-03	<5.61E-03	<9.16E-03	<8.42E-03	<7.11E-03	<4.49E-03	<1.14E-02	<8.42E-03	<9.16E-03	<5.80E-03	<7.11E-03	<1.52E-02	<8.23E-03	<5.80E-03
S-113a		<3.18E-03	<3.18E-03	<8.42E-03	<7.11E-03	<3.18E-03	<5.61E-03	<9.16E-03	<8.42E-03	<7.11E-03	<4.49E-03	<1.14E-02	<8.42E-03	<9.16E-03	<5.80E-03	<7.11E-03	<1.52E-02	<8.23E-03	<5.80E-03
S-114a		<3.50E-03	<3.50E-03	<9.25E-03	<7.81E-03	<3.50E-03	<6.16E-03	<1.01E-02	<9.25E-03	<7.81E-03	<4.93E-03	<1.25E-02	<9.25E-03	<1.01E-02	<6.37E-03	<7.81E-03	<1.67E-02	<9.04E-03	<6.37E-03
S-201a		<3.39E-03	<3.39E-03	<8.98E-03	<7.58E-03	<3.39E-03	<5.98E-03	<9.78E-03	<8.98E-03	<7.58E-03	<4.79E-03	<1.22E-02	<8.98E-03	<9.78E-03	<6.19E-03	<7.58E-03	<1.62E-02	<8.78E-03	<6.19E-03
S-202a		<3.41E-03	<3.41E-03	<9.01E-03	<7.61E-03	<3.41E-03	<6.01E-03	<9.81E-03	<9.01E-03	<7.61E-03	<4.81E-03	<1.22E-02	<9.01E-03	<9.81E-03	<6.21E-03	<7.61E-03	<1.63E-02	<8.81E-03	<6.21E-03
S-203a		0.0095	0.0095	<8.98E-03	<7.58E-03	<3.39E-03	<5.98E-03	<9.78E-03	<8.98E-03	<7.58E-03	<4.79E-03	<1.22E-02	<8.98E-03	<9.78E-03	<6.19E-03	<7.58E-03	<1.62E-02	<8.78E-03	<6.19E-03
S-204a		14.7459	10.9387	4.2215	3.5350	0.0871	0.2481	0.3437	0.2909	0.1048	0.0511	0.1298	0.0639	0.1004	0.0562	0.0629	0.0513	0.0208	0.0122
S-205a		0.0078	0.0078	<8.59E-03	<7.26E-03	<3.25E-03	<5.72E-03	<9.35E-03	<8.59E-03	<7.25E-03	<4.58E-03	<1.16E-02	<8.59E-03	<9.35E-03	<5.92E-03	<7.26E-03	<1.55E-02	<8.40E-03	<5.92E-03
S-206a		0.0090	0.0090	<8.47E-03	<7.16E-03	<3.20E-03	<5.64E-03	<9.22E-03	<8.47E-03	<7.15E-03	<4.52E-03	<1.15E-02	<8.47E-03	<9.22E-03	<5.84E-03	<7.16E-03	<1.53E-02	<8.28E-03	<5.84E-03
S-207a		<3.17E-03	<3.17E-03	<8.40E-03	<7.09E-03	<3.17E-03	<5.60E-03	<9.15E-03	<8.40E-03	<7.09E-03	<4.48E-03	<1.14E-02	<8.40E-03	<9.14E-03	<5.79E-03	<7.09E-03	<1.52E-02	<8.21E-03	<5.79E-03
S-208a		0.1519	0.0090	0.0852	0.0460	0.0618	0.0113	0.0297	0.0204	<7.19E-03	<4.54E-03	<1.15E-02	0.0273	<9.27E-03	<5.87E-03	<7.19E-03	<1.54E-02	<8.33E-03	<5.87E-03
S-209a		<3.22E-03	<3.22E-03	<8.52E-03	<7.19E-03	<3.22E-03	<5.67E-03	<9.27E-03	<8.52E-03	<7.19E-03	<4.54E-03	<1.15E-02	<8.52E-03	<9.27E-03	<5.87E-03	<7.19E-03	<1.54E-02	<8.33E-03	<5.87E-03
S-210a		<3.12E-03	<3.12E-03	<8.26E-03	<6.98E-03	<3.12E-03	<5.50E-03	<8.99E-03	<8.26E-03	<6.97E-03	<4.41E-03	<1.12E-02	<8.26E-03	<8.99E-03	<5.69E-03	<6.98E-03	<1.49E-02	<8.08E-03	<5.69E-03
S-211a		0.0064	0.0064	<8.43E-03	<7.12E-03	<3.19E-03	<5.62E-03	<9.18E-03	<8.43E-03	<7.12E-03	<4.50E-03	<1.14E-02	<8.43E-03	<9.18E-03	<5.81E-03	<7.12E-03	<1.52E-02	<8.24E-03	<5.81E-03
S-212a		0.0075	0.0075	<8.25E-03	<6.96E-03	<3.12E-03	<5.49E-03	<8.98E-03	<8.25E-03	<6.96E-03	<4.40E-03	<1.12E-02	<8.25E-03	<8.98E-03	<5.68E-03	<6.96E-03	<1.49E-02	<8.06E-03	<5.68E-03
S-213a		<3.12E-03	<3.12E-03	<8.25E-03	<6.96E-03	<3.12E-03	<5.49E-03	<8.98E-03	<8.25E-03	<6.96E-03	<4.40E-03	<1.12E-02	<8.25E-03	<8.98E-03	<5.68E-03	<6.96E-03	<1.49E-02	<8.06E-03	<5.68E-03
S-214a		<3.50E-03	<3.50E-03	<9.25E-03	<7.81E-03	<3.50E-03	<6.16E-03	<1.01E-02	<9.25E-03	<7.81E-03	<4.93E-03	<1.25E-02	<9.25E-03	<1.01E-02	<6.37E-03	<7.81E-03	<1.67E-02	<9.04E-03	<6.37E-03
S-301a		<3.41E-03	<3.41E-03	<9.01E-03	<7.61E-03	<3.41E-03	<6.01E-03	<9.81E-03	<9.01E-03	<7.61E-03	<4.81E-03	<1.22E-02	<9.01E-03	<9.81E-03	<6.21E-03	<7.61E-03	<1.63E-02	<8.81E-03	<6.21E-03
S-302a		<3.41E-03	<3.41E-03	<9.01E-03	<7.61E-03	<3.41E-03	<6.01E-03	<9.81E-03	<9.01E-03	<7.61E-03	<4.81E-03	<1.22E-02	<9.01E-03	<9.81E-03	<6.21E-03	<7.61E-03	<1.63E-02	<8.81E-03	<6.21E-03
S-303a		<3.45E-03	<3.45E-03	<9.13E-03	<7.71E-03	<3.45E-03	<6.08E-03	<9.94E-03	<9.13E-03	<7.71E-03	<4.87E-03	<1.24E-02	<9.13E-03	<9.94E-03	<6.29E-03	<7.71E-03	<1.65E-02	<8.93E-03	<6.29E-03
S-304a		0.0082	0.0082	<9.05E-03	<7.64E-03	<3.42E-03	<6.03E-03	<9.85E-03	<9.05E-03	<7.64E-03	<4.83E-03	<1.23E-02	<9.05E-03	<9.85E-03	<6.23E-03	<7.64E-03	<1.64E-02	<8.84E-03	<6.23E-03
S-305a		<3.28E-03	<3.28E-03	<8.68E-03	<7.33E-03	<3.28E-03	<5.78E-03	<9.45E-03	<8.68E-03	<7.33E-03	<4.63E-03	<1.18E-02	<8.68E-03	<9.45E-03	<5.98E-03	<7.33E-03	<1.57E-02	<8.49E-03	<5.98E-03
S-306a		0.0092	0.0092	<8.70E-03	<7.34E-03	<3.29E-03	<5.79E-03	<9.47E-03	<8.70E-03	<7.34E-03	<4.64E-03	<1.18E-02	<8.70E-03	<9.47E-03	<5.99E-03	<7.34E-03	<1.57E-02	<8.50E-03	<5.99E-03
S-307a		<3.29E-03	<3.29E-03	<8.71E-03	<7.36E-03	<3.29E-03	<5.80E-03	<9.48E-03	<8.71E-03	<7.36E-03	<4.65E-03	<1.18E-02	<8.71E-03	<9.48E-03	<6.00E-03	<7.36E-03	<1.58E-02	<8.52E-03	<6.00E-03
S-308a		<3.35E-03	<3.35E-03	<8.85E-03	<7.48E-03	<3.35E-03	<5.90E-03	<9.64E-03	<8.85E-03	<7.47E-03	<4.72E-03	<1.20E-02	<8.85E-03	<9.64E-03	<6.10E-03	<7.48E-03	<1.60E-02	<8.65E-03	<6.10E-03
S-309a		<3.29E-03	<3.29E-03	<8.70E-03	<7.34E-03	<3.29E-03	<5.79E-03	<9.47E-03	<8.70E-03	<7.34E-03	<4.64E-03	<1.18E-02	<8.70E-03	<9.47E-03	<5.99E-03	<7.34E-03	<1.57E-02	<8.50E-03	<5.99E-03
S-310a		<3.25E-03	<3.25E-03	<8.59E-03	<7.26E-03	<3.25E-03	<5.72E-03	<9.35E-03	<8.59E-03	<7.25E-03	<4.58E-03	<1.16E-02	<8.59E-03	<9.35E-03	<5.92E-03	<7.26E-03	<1.55E-02	<8.40E-03	<5.92E-03
S-311a		<3.29E-03	<3.29E-03	<8.71E-03	<7.36E-03	<3.29E-03	<5.80E-03	<9.48E-03	<8.71E-03	<7.36E-03	<4.65E-03	<1.18E-02	<8.71E-03	<9.48E-03	<6.00E-03	<7.36E-03	<1.58E-02	<8.52E-03	<6.00E-03
S-312a		<3.26E-03	<3.26E-03	<8.62E-03	<7.28E-03	<3.26E-03	<5.74E-03	<9.38E-03	<8.62E-03	<7.28E-03	<4.60E-03	<1.17E-02	<8.62E-03	<9.38E-03	<5.94E-03	<7.28E-03	<1.56E-02	<8.43E-03	<5.94E-03
S-313a		<3.26E-03	<3.26E-03	<8.62E-03	<7.28E-03	<3.26E-03	<5.74E-03	<9.38E-03	<8.62E-03	<7.28E-03	<4.60E-03	<1.17E-02	<8.62E-03	<9.38E-03	<5.94E-03	<7.28E-03	<1.56E-02	<8.43E-03	<5.94E-03
S-314a		<3.50E-03	<3.50E-03	<9.25E-03	<7.81E-03	<3.50E-03	<6.16E-03	<1.01E-02	<9.25E-03	<7.81E-03	<4.93E-03	<1.25E-02	<9.25E-03	<1.01E-02	<6.37E-03	<7.81E-03	<1.67E-02	<9.04E-03	<6.37E-03
S-401a		<3.38E-03	<3.38E-03	<8.93E-03	<7.54E-03	<3.38E-03	<5.95E-03	<9.72E-03	<8.93E-03	<7.54E-03	<4.77E-03	<1.21E-02	<8.93E-03	<9.72E-03	<6.15E-03	<7.54E-03	<1.61E-02	<8.73E-03	<6.15E-03
S-402a		<3.33E-03	<3.33E-03	<8.81E-03	<7.44E-03	<3.33E-03	<5.87E-03	<9.59E-03	<8.81E-03	<7.43E-03	<4.70E-03	<1.19E-02	<8.81E-03	<9.58E-03	<6.07E-03	<7.44E-03	<1.59E-02	<8.61E-03	<6.07E-03
S-403a		<3.30E-03	<3.30E-03	<8.73E-03	<7.37E-03	<3.30E-03	<5.81E-03	<9.50E-03	<8.73E-03	<7.37E-03	<4.66E-03	<1.18E-02	<8.73E-03	<9.50E-03	<6.01E-03	<7.37E-03	<1.58E-02	<8.53E-03	<6.01E-03
S-404a		<3.33E-03	<3.33E-03	<8.82E-03	<7.45E-03	<3.33E-03	<5.88E-03	<9.60E-03	<8.82E-03	<7.45E-03	<4.71E-03	<1.20E-02	<8.82E-03	<9.60E-03	<6.08E-03	<7.45E-03	<1.59E-02	<8.62E-03	<6.08E-03
S-405a		<3.26E-03	<3.26E-03	<8.62E-03	<7.28E-03	<3.26E-03	<5.74E-03	<9.38E-03	<8.62E-03	<7.28E-03	<4.60E-03	<1.17E-02	<8.62E-03	<9.38E-03	<5.94E-03	<7.28E-03	<1.56E-02	<8.43E-03	<5.94E-03
S-406a		<3.22E-03	<3.22E-03	<8.53E-03	<7.21E-03	<3.22E-03	<5.68E-03	<9.29E-03	<8.53E-03	<7.20E-03	<4.55E-03	<1.16E-02	<8.53E-03	<9.29E-03	<5.88E-03	<7.21E-03	<1.54E-02	<8.34E-03	<5.88E-03
S-407a		<3.25E-03	<3.25E-03	<8.59E-03	<7.26E-03	<3.25E-03	<5.72E-03	<9.35E-03	<8.59E-03	<7.25E-03	<4.58E-03	<1.16E-02	<8.59E-03	<9.35E-03	<5.92E-03	<7.26E-03	<1.55E-02	<8.40E-03	<5.92E-03
S-408a		<3.32E-03	<3.32E-03	<8.77E-03	<7.41E-03	<3.32E-03	<5.85E-03	<9.55E-03	<8.77E-03	<7.41E-03	<4.68E-03	<1.19E-02	<8.77E-03	<9.55E-03	<6.05E-03	<7.41E-03	<1.59E-02	<8.58E-03	<6.05E-03
S-409a		<3.24E-03	<3.24E-03	<8.58E-03	<7.24E-03	<3.24E-03	<5.71E-03	<9.34E-03	<8.58E-03	<7.24E-03	<4.58E-03	<1.16E-02	<8.58E-03	<9.33E-03	<5.91E-03	<7.24E-03	<1.55E-02	<8.38E-03	<5.91E-03
S-410a		<3.25E-03	<3.25E-03	<8.61E-03	<7.27E-03	<3.25E-03	<5.73E-03	<9.37E-03	<8.61E-03	<7.27E-03	<4.59E-03	<1.17E-02	<8.61E-03	<9.37E-03	<5.93E-03	<7.27E-03	<1.56E-02	<8.41E-03	<5.93E-03
S-411a		<3.21E-03	<3.21E-03	<8.49E-03	<7.17E-03	<3.21E-03	<5.65E-03	<9.24E-03	<8.49E-03	<7.17E-03	<4.53E-03	<1.15E-02	<8.49E-03	<9.24E-03	<5.85E-03	<7.17E-03	<1.53E-02	<8.30E-03	<5.85E-03
S-412a		<3.29E-03	<3.29E-03	<8.70E-03	<7.34E-03	<3.29E-03	<5.79E-03	<9.47E-03	<8.70E-03	<7.34E-03	<4.64E-03	<1.18E-02	<8.70E-03	<9.47E-03	<5.99E-03	<7.34E-03	<1.57E-02	<8.50E-03	<5.99E-03
S-413a		<3.29E-03	<3.29E-03	<8.70E-03	<7.34E-03	<3.29E-03	<5.79E-03	<9.47E-03	<8.70E-03	<7.34E-03	<4.64E-03	<1.18E-02	<8.70E-03	<9.47E-03	<5.99E-03	<7.34E-03	<1.57E-02	<8.50E-03	<5.99E-03
S-414a		<3.50E-03	<3.50E-03	<9.25E-03	<7.81E-03	<3.50E-03	<6.16E-03	<1.01E-02	<9.25E-03	<7.81E-03	<4.93E-03	<1.25E-02	<9.25E-03	<1.01E-02	<6.37E-03	<7.81E-03	<1.67E-02	<9.04E-03	<6.37E-03
S-501a		<3.38E-03	<3.38E-03	<8.95E-03	<7.56E-03	<3.38E-03	<5.96E-03	<9.74E-03	<8.95E-03	<7.56E-03	<4.77E-03	<1.21E-02	<8.95E-03	<9.74E-03	<6.17E-03	<7.56E-03	<1.62E-02	<8.75E-03	<6.17E-03
S-502a		<3.36E-03	<3.36E-03	<8.88E-03	<7.50E-03	<3.36E-03	<5.92E-03	<9.67E-03	<8.88E-03	<7.50E-03	<4.74E-03	<1.20E-02	<8.88E-03	<9.67E-03	<6.12E-03	<7.50E-03	<1.61E-02	<8.69E-03	<6.12E-03
S-503a		<3.35E-03	<3.35E-03	<8.87E-03	<7.49E-03	<3.35E-03	<5.91E-03	<9.65E-03	<8.87E-03	<7.49E-03	<4.73E-03	<1.20E-02	<8.87E-03	<9.65E-03	<6.11E-03	<7.49E-03	<1.60E-02	<8.67E-03	<6.11E-03
S-504a		<3.32E-03	<3.32E-03	<8.79E-03	<7.42E-03	<3.32E-03	<5.86E-03	<9.57E-03	<8.79E-03	<7.42E-03	<4.69E-03	<1.19E-02	<8.79E-03	<9.57E-03	<6.06E-03	<7.42E-03	<1.59E-02	<8.59E-03	<6.06E-03
S-505a		0.0089	0.0089	<8.37E-03	<7.07E-03	<3.16E-03	<5.58E-03	<9.11E-03	<8.37E-03	<7.07E-03	<4.47E-03	<1.14E-02	<8.37E-03	<9.11E-03	<5.77E-03	<7.07E-03	<1.51E-02	<8.19E-03	<5.77E-03
S-506a		0.0089	0.0089	<8.42E-03	<7.11E-03	<3.18E-03	<5.61E-03	<9.16E-03	<8.42E-03	<7.11E-03	<4.49E-03	<1.14E-02	<8.42E-03	<9.16E-03	<5.80E-03	<7.11E-03	<1.52E-02	<8.23E-03	<5.80E-03
S-507a		0.0140	0.0140	<8.42E-03	<7.11E-03	<3.18E-03	<5.61E-03	<9.16E-03	<8.42E-03	<7.11E-03	<4.49E-03	<1.14E-02	<8.42E-03	<9.16E-03	<5.80E-03	<7.11E-03	<1.52E-02	<8.23E-03	<5.80E-03
S-508a		<3.20E-03	<3.20E-03	<8.46E-03	<7.14E-03	<3.20E-03	<5.64E-03	<9.21E-03	<8.46E-03	<7.14E-03	<4.51E-03	<1.15E-02	<8.46E-03	<9.21E-03	<5.83E-03	<7.14E-03	<1.53E-02	<8.27E-03	<5.83E-03
S-509a		<3.26E-03	<3.26E-03	<8.64E-03	<7.29E-03	<3.26E-03	<5.75E-03	<9.40E-03	<8.64E-03	<7.29E-03	<4.61E-03	<1.17E-02	<8.64E-03	<9.40E-03	<5.95E-03	<7.29E-03	<1.56E-02	<8.44E-03	<5.95E-03
S-510a		<3.24E-03	<3.24E-03	<8.58E-03	<7.24E-03	<3.24E-03	<5.71E-03	<9.34E-03	<8.58E-03	<7.24E-03	<4.58E-03	<1.16E-02	<8.58E-03	<9.33E-03	<5.91E-03	<7.24E-03	<1.55E-02	<8.38E-03	<5.91E-03
S-511a		<3.26E-03	<3.26E-03	<8.64E-03	<7.29E-03	<3.26E-03	<5.75E-03	<9.40E-03	<8.64E-03	<7.29E-03	<4.61E-03	<1.17E-02	<8.64E-03	<9.40E-03	<5.95E-03	<7.29E-03	<1.56E-02	<8.44E-03	<5.95E-03
S-512a		<3.22E-03	<3.22E-03	<8.52E-03	<7.19E-03	<3.22E-03	<5.67E-03	<9.27E-03	<8.52E-03	<7.19E-03	<4.54E-03	<1.15E-02	<8.52E-03	<9.27E-03	<5.87E-03	<7.19E-03	<1.54E-02	<8.33E-03	<5.87E-03
S-513a		<3.22E-03	<3.22E-03	<8.52E-03	<7.19E-03	<3.22E-03	<5.67E-03	<9.27E-03	<8.52E-03	<7.19E-03	<4.54E-03	<1.15E-02	<8.52E-03	<9.27E-03	<5.87E-03	<7.19E-03	<1.54E-02	<8.33E-03	<5.87E-03
S-514a		<3.50E-03	<3.50E-03	<9.25E-03	<7.81E-03	<3.50E-03	<6.16E-03	<1.01E-02	<9.25E-03	<7.81E-03	<4.93E-03	<1.25E-02	<9.25E-03	<1.01E-02	<6.37E-03	<7.81E-03	<1.67E-02	<9.04E-03	<6.37E-03

Compound	Total Reduced Sulfurs	Hydrogen Sulfide	sec-Butyl Mercaptan / Thiophene	Isopropyl Mercaptan	Total Unidentified Sulfur	COS / SO2	3-Methylthiophene	iso-Butyl Mercaptan	Carbon Disulfide	Methyl Mercaptan	Diethyl Disulfide	tert-Butyl Mercaptan	2-Methylthiophene	Ethyl Mercaptan	n-Propyl Mercaptan	Bromothiophene	Tetrahydrothiophene	Dimethyl Sulfide
CAS	7783-06-4	7783-06-4	513-53-1	75-33-2	7783-06-4	463-58-1	616-44-4	513-44-0	75-15-0	74-93-1	110-81-6	75-66-1	554-14-3	75-08-1	107-03-9	1003-09-4	110-01-0	75-18-3
Sample ID MW	34.08	34.08	90.186	76.16	34.08	60.08	98.17	90.186	76.14	48.11	122.252	90.186	98.16	62.134	76.16	163.04	88.17	62.134
Flux (mg/m2-min)																		
S-101a	0.00056	0.00056	<3.68E-04	<3.11E-04	<1.39E-04	<2.45E-04	<4.01E-04	<3.68E-04	<3.11E-04	<1.96E-04	<4.99E-04	<3.68E-04	<4.01E-04	<2.54E-04	<3.11E-04	<6.66E-04	<3.60E-04	<2.54E-04
S-102a	0.00024	0.00024	<3.12E-04	<2.63E-04	<1.18E-04	<2.08E-04	<3.39E-04	<3.12E-04	<2.63E-04	<1.66E-04	<4.23E-04	<3.12E-04	<3.39E-04	<2.15E-04	<2.63E-04	<5.63E-04	<3.05E-04	<2.15E-04
S-103a	0.00066	0.00066	<3.35E-04	<2.83E-04	<1.27E-04	<2.23E-04	<3.65E-04	<3.35E-04	<2.83E-04	<1.79E-04	<4.54E-04	<3.35E-04	<3.65E-04	<2.31E-04	<2.83E-04	<6.06E-04	<3.28E-04	<2.31E-04
S-104a	0.00030	0.00030	<3.32E-04	<2.80E-04	<1.25E-04	<2.21E-04	<3.61E-04	<3.32E-04	<2.80E-04	<1.77E-04	<4.50E-04	<3.32E-04	<3.61E-04	<2.29E-04	<2.80E-04	<6.00E-04	<3.24E-04	<2.29E-04
S-105a	0.00044	0.00044	<3.21E-04	<2.71E-04	<1.21E-04	<2.14E-04	<3.50E-04	<3.21E-04	<2.71E-04	<1.71E-04	<4.35E-04	<3.21E-04	<3.50E-04	<2.21E-04	<2.71E-04	<5.81E-04	<3.14E-04	<2.21E-04
S-106a	0.00038	0.00038	<3.13E-04	<2.64E-04	<1.18E-04	<2.08E-04	<3.40E-04	<3.13E-04	<2.64E-04	<1.67E-04	<4.24E-04	<3.13E-04	<3.40E-04	<2.15E-04	<2.64E-04	<5.65E-04	<3.06E-04	<2.15E-04
S-107a	0.00040	0.00040	<3.27E-04	<2.76E-04	<1.24E-04	<2.18E-04	<3.56E-04	<3.27E-04	<2.76E-04	<1.75E-04	<4.44E-04	<3.27E-04	<3.56E-04	<2.25E-04	<2.76E-04	<5.92E-04	<3.20E-04	<2.25E-04
S-108a	0.00066	0.00066	<4.35E-04	<3.67E-04	<1.64E-04	<2.90E-04	<4.73E-04	<4.35E-04	<3.67E-04	<2.32E-04	<5.89E-04	<4.35E-04	<4.73E-04	<3.00E-04	<3.67E-04	<7.86E-04	<4.25E-04	<3.00E-04
S-109a	0.00170	0.00170	<4.02E-04	<3.40E-04	<1.52E-04	<2.68E-04	<4.38E-04	<4.02E-04	<3.40E-04	<2.15E-04	<5.46E-04	<4.02E-04	<4.38E-04	<2.77E-04	<3.40E-04	<7.28E-04	<3.93E-04	<2.77E-04
S-110a	0.00058	0.00058	<3.22E-04	<2.72E-04	<1.22E-04	<2.14E-04	<3.50E-04	<3.22E-04	<2.71E-04	<1.72E-04	<4.36E-04	<3.22E-04	<3.50E-04	<2.22E-04	<2.72E-04	<5.81E-04	<3.14E-04	<2.22E-04
S-111a	0.00063	0.00063	<4.66E-04	<3.94E-04	<1.76E-04	<3.11E-04	<5.08E-04	<4.66E-04	<3.94E-04	<2.49E-04	<6.32E-04	<4.66E-04	<5.08E-04	<3.21E-04	<3.94E-04	<8.43E-04	<4.56E-04	<3.21E-04
S-112a	<1.21E-04	<1.21E-04	<3.20E-04	<2.70E-04	<1.21E-04	<2.13E-04	<3.48E-04	<3.20E-04	<2.70E-04	<1.71E-04	<4.33E-04	<3.20E-04	<3.48E-04	<2.20E-04	<2.70E-04	<5.78E-04	<3.12E-04	<2.20E-04
S-113a	<1.32E-04	<1.32E-04	<3.49E-04	<2.95E-04	<1.32E-04	<2.32E-04	<3.80E-04	<3.49E-04	<2.94E-04	<1.86E-04	<4.73E-04	<3.49E-04	<3.80E-04	<2.40E-04	<2.95E-04	<6.30E-04	<3.41E-04	<2.40E-04
S-114a	<1.33E-04	<1.33E-04	<3.52E-04	<2.97E-04	<1.33E-04	<2.34E-04	<3.83E-04	<3.52E-04	<2.97E-04	<1.88E-04	<4.77E-04	<3.52E-04	<3.83E-04	<2.42E-04	<2.97E-04	<6.36E-04	<3.44E-04	<2.42E-04
S-201a	<1.26E-04	<1.26E-04	<3.33E-04	<2.81E-04	<1.26E-04	<2.22E-04	<3.62E-04	<3.33E-04	<2.81E-04	<1.77E-04	<4.51E-04	<3.33E-04	<3.62E-04	<2.29E-04	<2.81E-04	<6.01E-04	<3.25E-04	<2.29E-04
S-202a	<1.36E-04	<1.36E-04	<3.59E-04	<3.03E-04	<1.36E-04	<2.39E-04	<3.91E-04	<3.59E-04	<3.03E-04	<1.91E-04	<4.87E-04	<3.59E-04	<3.91E-04	<2.47E-04	<3.03E-04	<6.49E-04	<3.51E-04	<2.47E-04
S-203a	0.00041	0.00041	<3.86E-04	<3.26E-04	<1.46E-04	<2.57E-04	<4.21E-04	<3.86E-04	<3.26E-04	<2.06E-04	<5.24E-04	<3.86E-04	<4.21E-04	<2.66E-04	<3.26E-04	<6.98E-04	<3.78E-04	<2.66E-04
S-204a	0.57089	0.42350	0.16344	0.13686	0.00337	0.00961	0.01331	0.01126	0.00406	0.00198	0.00503	0.00247	0.00389	0.00218	0.00244	0.00199	0.00081	0.00047
S-205a	0.00042	0.00042	<4.68E-04	<3.95E-04	<1.77E-04	<3.12E-04	<5.09E-04	<4.68E-04	<3.95E-04	<2.50E-04	<6.34E-04	<4.68E-04	<5.09E-04	<3.22E-04	<3.95E-04	<8.46E-04	<4.58E-04	<3.22E-04
S-206a	0.00053	0.00053	<4.97E-04	<4.20E-04	<1.88E-04	<3.31E-04	<5.41E-04	<4.97E-04	<4.20E-04	<2.65E-04	<6.74E-04	<4.97E-04	<5.41E-04	<3.42E-04	<4.20E-04	<8.99E-04	<4.86E-04	<3.42E-04
S-207a	<2.25E-04	<2.25E-04	<5.96E-04	<5.04E-04	<2.25E-04	<3.97E-04	<6.49E-04	<5.96E-04	<5.03E-04	<3.18E-04	<8.08E-04	<5.96E-04	<6.49E-04	<4.11E-04	<5.04E-04	<1.08E-03	<5.83E-04	<4.11E-04
S-208a	0.01235	0.00073	0.00693	0.00374	0.00502	0.00092	0.00241	0.00166	<5.85E-04	<3.69E-04	<9.39E-04	0.00222	<7.54E-04	<4.77E-04	<5.85E-04	<1.25E-03	<6.77E-04	<4.77E-04
S-209a	<2.13E-04	<2.13E-04	<5.63E-04	<4.76E-04	<2.13E-04	<3.75E-04	<6.13E-04	<5.63E-04	<4.75E-04	<3.00E-04	<7.63E-04	<5.63E-04	<6.13E-04	<3.88E-04	<4.76E-04	<1.02E-03	<5.51E-04	<3.88E-04
S-210a	<2.38E-04	<2.38E-04	<6.30E-04	<5.32E-04	<2.38E-04	<4.20E-04	<6.85E-04	<6.30E-04	<5.32E-04	<3.36E-04	<8.54E-04	<6.30E-04	<6.85E-04	<4.34E-04	<5.32E-04	<1.14E-03	<6.16E-04	<4.34E-04
S-211a	0.00050	0.00050	<6.65E-04	<5.62E-04	<2.51E-04	<4.43E-04	<7.24E-04	<6.65E-04	<5.62E-04	<3.55E-04	<9.02E-04	<6.65E-04	<7.24E-04	<4.58E-04	<5.62E-04	<1.20E-03	<6.50E-04	<4.58E-04
S-212a	0.00036	0.00036	<3.95E-04	<3.34E-04	<1.49E-04	<2.63E-04	<4.30E-04	<3.95E-04	<3.34E-04	<2.11E-04	<5.36E-04	<3.95E-04	<4.30E-04	<2.72E-04	<3.34E-04	<7.15E-04	<3.87E-04	<2.72E-04
S-213a	<1.50E-04	<1.50E-04	<3.97E-04	<3.36E-04	<1.50E-04	<2.65E-04	<4.33E-04	<3.97E-04	<3.35E-04	<2.12E-04	<5.39E-04	<3.97E-04	<4.33E-04	<2.74E-04	<3.36E-04	<7.18E-04	<3.88E-04	<2.74E-04
S-214a	<1.47E-04	<1.47E-04	<3.88E-04	<3.28E-04	<1.47E-04	<2.59E-04	<4.22E-04	<3.88E-04	<3.28E-04	<2.07E-04	<5.26E-04	<3.88E-04	<4.22E-04	<2.67E-04	<3.28E-04	<7.02E-04	<3.79E-04	<2.67E-04
S-301a	<1.24E-04	<1.24E-04	<3.27E-04	<2.76E-04	<1.24E-04	<2.18E-04	<3.56E-04	<3.27E-04	<2.76E-04	<1.75E-04	<4.44E-04	<3.27E-04	<3.56E-04	<2.25E-04	<2.76E-04	<5.92E-04	<3.20E-04	<2.25E-04
S-302a	<1.70E-04	<1.70E-04	<4.49E-04	<3.79E-04	<1.70E-04	<2.99E-04	<4.89E-04	<4.49E-04	<3.79E-04	<2.40E-04	<6.09E-04	<4.49E-04	<4.89E-04	<3.09E-04	<3.79E-04	<8.12E-04	<4.39E-04	<3.09E-04
S-303a	<1.85E-04	<1.85E-04	<4.89E-04	<4.13E-04	<1.85E-04	<3.26E-04	<5.32E-04	<4.89E-04	<4.13E-04	<2.61E-04	<6.63E-04	<4.89E-04	<5.32E-04	<3.37E-04	<4.13E-04	<8.84E-04	<4.78E-04	<3.37E-04
S-304a	0.00048	0.00048	<5.29E-04	<4.47E-04	<2.00E-04	<3.53E-04	<5.76E-04	<5.29E-04	<4.47E-04	<2.82E-04	<7.18E-04	<5.29E-04	<5.76E-04	<3.65E-04	<4.47E-04	<9.57E-04	<5.18E-04	<3.65E-04
S-305a	<1.53E-04	<1.53E-04	<4.04E-04	<3.41E-04	<1.53E-04	<2.69E-04	<4.40E-04	<4.04E-04	<3.41E-04	<2.16E-04	<5.48E-04	<4.04E-04	<4.40E-04	<2.78E-04	<3.41E-04	<7.31E-04	<3.95E-04	<2.78E-04
S-306a	0.00042	0.00042	<3.94E-04	<3.33E-04	<1.49E-04	<2.63E-04	<4.29E-04	<3.94E-04	<3.33E-04	<2.10E-04	<5.34E-04	<3.94E-04	<4.29E-04	<2.72E-04	<3.33E-04	<7.13E-04	<3.85E-04	<2.72E-04
S-307a	<1.74E-04	<1.74E-04	<4.60E-04	<3.89E-04	<1.74E-04	<3.07E-04	<5.01E-04	<4.60E-04	<3.89E-04	<2.46E-04	<6.24E-04	<4.60E-04	<5.01E-04	<3.17E-04	<3.89E-04	<8.32E-04	<4.50E-04	<3.17E-04
S-308a	<1.45E-04	<1.45E-04	<3.84E-04	<3.24E-04	<1.45E-04	<2.56E-04	<4.18E-04	<3.84E-04	<3.24E-04	<2.05E-04	<5.20E-04	<3.84E-04	<4.18E-04	<2.64E-04	<3.24E-04	<6.94E-04	<3.75E-04	<2.64E-04
S-309a	<1.26E-04	<1.26E-04	<3.35E-04	<2.82E-04	<1.26E-04	<2.23E-04	<3.64E-04	<3.35E-04	<2.82E-04	<1.78E-04	<4.53E-04	<3.35E-04	<3.64E-04	<2.30E-04	<2.82E-04	<6.05E-04	<3.27E-04	<2.30E-04
S-310a	<1.82E-04	<1.82E-04	<4.81E-04	<4.06E-04	<1.82E-04	<3.20E-04	<5.23E-04	<4.81E-04	<4.06E-04	<2.56E-04	<6.52E-04	<4.81E-04	<5.23E-04	<3.31E-04	<4.06E-04	<8.69E-04	<4.70E-04	<3.31E-04
S-311a	<2.16E-04	<2.16E-04	<5.71E-04	<4.82E-04	<2.16E-04	<3.81E-04	<6.22E-04	<5.71E-04	<4.82E-04	<3.05E-04	<7.74E-04	<5.71E-04	<6.22E-04	<3.94E-04	<4.82E-04	<1.03E-03	<5.58E-04	<3.94E-04
S-312a	<1.56E-04	<1.56E-04	<4.13E-04	<3.49E-04	<1.56E-04	<2.75E-04	<4.50E-04	<4.13E-04	<3.49E-04	<2.21E-04	<5.60E-04	<4.13E-04	<4.50E-04	<2.85E-04	<3.49E-04	<7.47E-04	<4.04E-04	<2.85E-04
S-313a	<1.31E-04	<1.31E-04	<3.46E-04	<2.92E-04	<1.31E-04	<2.30E-04	<3.76E-04	<3.46E-04	<2.92E-04	<1.84E-04	<4.68E-04	<3.46E-04	<3.76E-04	<2.38E-04	<2.92E-04	<6.25E-04	<3.38E-04	<2.38E-04
S-314a	<1.59E-04	<1.59E-04	<4.21E-04	<3.55E-04	<1.59E-04	<2.80E-04	<4.58E-04	<4.21E-04	<3.55E-04	<2.24E-04	<5.70E-04	<4.21E-04	<4.58E-04	<2.90E-04	<3.55E-04	<7.60E-04	<4.11E-04	<2.90E-04
S-401a	<1.21E-04	<1.21E-04	<3.21E-04	<2.71E-04	<1.21E-04	<2.14E-04	<3.50E-04	<3.21E-04	<2.71E-04	<1.71E-04	<4.36E-04	<3.21E-04	<3.50E-04	<2.21E-04	<2.71E-04	<5.81E-04	<3.14E-04	<2.21E-04
S-402a	<1.23E-04	<1.23E-04	<3.25E-04	<2.75E-04	<1.23E-04	<2.17E-04	<3.54E-04	<3.25E-04	<2.75E-04	<1.74E-04	<4.41E-04	<3.25E-04	<3.54E-04	<2.24E-04	<2.75E-04	<5.88E-04	<3.18E-04	<2.24E-04
S-403a	<1.35E-04	<1.35E-04	<3.58E-04	<3.02E-04	<1.35E-04	<2.39E-04	<3.90E-04	<3.58E-04	<3.02E-04	<1.91E-04	<4.85E-04	<3.58E-04	<3.90E-04	<2.47E-04	<3.02E-04	<6.47E-04	<3.50E-04	<2.47E-04
S-404a	<1.65E-04	<1.65E-04	<4.37E-04	<3.69E-04	<1.65E-04	<2.91E-04	<4.76E-04	<4.37E-04	<3.69E-04	<2.33E-04	<5.92E-04	<4.37E-04	<4.76E-04	<3.01E-04	<3.69E-04	<7.90E-04	<4.27E-04	<3.01E-04
S-405a	<1.36E-04	<1.36E-04	<3.60E-04	<3.04E-04	<1.36E-04	<2.40E-04	<3.92E-04	<3.60E-04	<3.04E-04	<1.92E-04	<4.88E-04	<3.60E-04	<3.92E-04	<2.48E-04	<3.04E-04	<6.51E-04	<3.52E-04	<2.48E-04
S-406a	<1.21E-04	<1.21E-04	<3.20E-04	<2.71E-04	<1.21E-04	<2.13E-04	<3.49E-04	<3.20E-04	<2.71E-04	<1.71E-04	<4.34E-04	<3.20E-04	<3.49E-04	<2.21E-04	<2.71E-04	<5.79E-04	<3.13E-04	<2.21E-04
S-407a	<1.20E-04	<1.20E-04	<3.18E-04	<2.68E-04	<1.20E-04	<2.12E-04	<3.46E-04	<3.18E-04	<2.68E-04	<1.69E-04	<4.31E-04	<3.18E-04	<3.46E-04	<2.19E-04	<2.68E-04	<5.74E-04	<3.11E-04	<2.19E-04
S-408a	<1.24E-04	<1.24E-04	<3.28E-04	<2.77E-04	<1.24E-04	<2.18E-04	<3.57E-04	<3.28E-04	<2.77E-04	<1.75E-04	<4.44E-04	<3.28E-04	<3.57E-04	<2.26E-04	<2.77E-04	<5.92E-04	<3.20E-04	<2.26E-04
S-409a	<1.54E-04	<1.54E-04	<4.06E-04	<3.43E-04	<1.54E-04	<2.71E-04	<4.42E-04	<4.06E-04	<3.43E-04	<2.17E-04	<5.51E-04	<4.06E-04	<4.42E-04	<2.80E-04	<3.43E-04	<7.35E-04	<3.97E-04	<2.80E-04
S-410a	<1.46E-04	<1.46E-04	<3.86E-04	<3.26E-04	<1.46E-04	<2.57E-04	<4.20E-04	<3.86E-04	<3.26E-04	<2.06E-04	<5.23E-04	<3.86E-04	<4.20E-04	<2.66E-04	<3.26E-04	<6.98E-04	<3.77E-04	<2.66E-04
S-411a	<1.74E-04	<1.74E-04	<4.59E-04	<3.88E-04	<1.74E-04	<3.06E-04	<5.00E-04	<4.59E-04	<3.88E-04	<2.45E-04	<6.23E-04	<4.59E-04	<5.00E-04	<3.16E-04	<3.88E-04	<8.30E-04	<4.49E-04	<3.16E-04
S-412a	<1.20E-04	<1.20E-04	<3.17E-04	<2.68E-04	<1.20E-04	<2.11E-04	<3.45E-04	<3.17E-04	<2.68E-04	<1.69E-04	<4.30E-04	<3.17E-04	<3.45E-04	<2.19E-04	<2.68E-04	<5.74E-04	<3.10E-04	<2.19E-04
S-413a	<1.19E-04	<1.19E-04	<3.15E-04	<2.66E-04	<1.19E-04	<2.10E-04	<3.42E-04	<3.15E-04	<2.66E-04	<1.68E-04	<4.26E-04	<3.15E-04	<3.42E-04	<2.17E-04	<2.66E-04	<5.69E-04	<3.08E-04	<2.17E-04
S-414a	<1.14E-04	<1.14E-04	<3.01E-04	<2.55E-04	<1.14E-04	<2.01E-04	<3.28E-04	<3.01E-04	<2.54E-04	<1.61E-04	<4.09E-04	<3.01E-04	<3.28E-04	<2.08E-04	<2.55E-04	<5.45E-04	<2.95E-04	<2.08E-04
S-501a	<1.93E-04	<1.93E-04	<5.12E-04	<4.32E-04	<1.93E-04	<3.41E-04	<5.57E-04	<5.12E-04	<4.32E-04	<2.73E-04	<6.94E-04	<5.12E-04	<5.57E-04	<3.53E-04	<4.32E-04	<9.26E-04	<5.01E-04	<3.53E-04
S-502a	<1.86E-04	<1.86E-04	<4.93E-04	<4.16E-04	<1.86E-04	<3.28E-04	<5.36E-04	<4.93E-04	<4.16E-04	<2.63E-04	<6.68E-04	<4.93E-04	<5.36E-04	<3.39E-04	<4.16E-04	<8.91E-04	<4.82E-04	<3.39E-04
S-503a	<1.40E-04	<1.40E-04	<3.72E-04	<3.14E-04	<1.40E-04	<2.47E-04	<4.04E-04	<3.72E-04	<3.14E-04	<1.98E-04	<5.04E-04	<3.72E-04	<4.04E-04	<2.56E-04	<3.14E-04	<6.72E-04	<3.63E-04	<2.56E-04
S-504a	<1.59E-04	<1.59E-04	<4.20E-04	<3.55E-04	<1.59E-04	<2.80E-04	<4.57E-04	<4.20E-04	<3.55E-04	<2.24E-04	<5.70E-04	<4.20E-04	<4.57E-04	<2.90E-04	<3.55E-04	<7.60E-04	<4.11E-04	<2.90E-04
S-505a	0.00050	0.00050	<4.72E-04	<3.98E-04	<1.78E-04	<3.14E-04	<5.14E-04	<4.72E-04	<3.98E-04	<2.52E-04	<6.40E-04	<4.72E-04	<5.14E-04	<3.25E-04	<3.98E-04	<8.53E-04	<4.61E-04	<3.25E-04
S-506a	0.00052	0.00052	<4.90E-04	<4.14E-04	<1.85E-04	<3.26E-04	<5.33E-04	<4.90E-04	<4.14E-04	<2.61E-04	<6.64E-04	<4.90E-04	<5.33E-04	<3.37E-04	<4.14E-04	<8.85E-04	<4.79E-04	<3.37E-04
S-507a	0.00073	0.00073	<4.37E-04	<3.69E-04	<1.65E-04	<2.91E-04	<4.76E-04	<4.37E-04	<3.69E-04	<2.33E-04	<5.93E-04	<4.37E-04	<4.76E-04	<3.01E-04	<3.69E-04	<7.91E-04	<4.28E-04	<3.01E-04
S-508a	<1.49E-04	<1.49E-04	<3.95E-04	<3.33E-04	<1.49E-04	<2.63E-04	<4.29E-04	<3.95E-04	<3.33E-04	<2.10E-04	<5.35E-04	<3.95E-04	<4.29E-04	<2.72E-04	<3.33E-04	<7.13E-04	<3.86E-04	<2.72E-04
S-509a	<1.25E-04	<1.25E-04	<3.31E-04	<2.80E-04	<1.25E-04	<2.21E-04	<3.61E-04	<3.31E-04	<2.80E-04	<1.77E-04	<4.49E-04	<3.31E-04	<3.61E-04	<2.28E-04	<2.80E-04	<5.99E-04	<3.24E-04	<2.28E-04
S-510a	<1.46E-04	<1.46E-04	<3.87E-04	<3.27E-04	<1.46E-04	<2.58E-04	<4.21E-04	<3.87E-04	<3.27E-04	<2.06E-04	<5.25E-04	<3.87E-04	<4.21E-04	<2.67E-04	<3.27E-04	<7.00E-04	<3.78E-04	<2.67E-04
S-511a	<1.20E-04	<1.20E-04	<3.17E-04	<2.68E-04	<1.20E-04	<2.11E-04	<3.45E-04	<3.17E-04	<2.67E-04	<1.69E-04	<4.29E-04	<3.17E-04	<3.45E-04	<2.18E-04	<2.68E-04	<5.73E-04	<3.10E-04	<2.18E-04
S-512a	<1.94E-04	<1.94E-04	<5.14E-04	<4.34E-04	<1.94E-04	<3.43E-04	<5.60E-04	<5.14E-04	<4.34E-04	<2.74E-04	<6.97E-04	<5.14E-04	<5.60E-04	<3.54E-04	<4.34E-04	<9.30E-04	<5.03E-04	<3.54E-04
S-513a	<1.66E-04	<1.66E-04	<4.39E-04	<3.71E-04	<1.66E-04	<2.92E-04	<4.78E-04	<4.39E-04	<3.71E-04	<2.34E-04	<5.95E-04	<4.39E-04	<4.78E-04	<3.02E-04	<3.71E-04	<7.94E-04	<4.29E-04	<3.02E-04
S-514a	<1.54E-04	<1.54E-04	<4.08E-04	<3.45E-04	<1.54E-04	<2.72E-04	<4.44E-04	<4.08E-04	<3.45E-04	<2.18E-04	<5.53E-04	<4.08E-04	<4.44E-04	<2.81E-04	<3.45E-04	<7.38E-04	<3.99E-04	<2.81E-04

Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	Thiophenol
CAS	624-89-5	352-93-2	109-79-5	624-92-0	108-98-5
Sample ID MW	76.16	90.19	90.186	94.19	110.18
Lab Data (ppmv)					
S-101a	ND	ND	ND	ND	ND
S-102a	ND	ND	ND	ND	ND
S-103a	ND	ND	ND	ND	ND
S-104a	ND	ND	ND	ND	ND
S-105a	ND	ND	ND	ND	ND
S-106a	ND	ND	ND	ND	ND
S-107a	ND	ND	ND	ND	ND
S-108a	ND	ND	ND	ND	ND
S-109a	ND	ND	ND	ND	ND
S-110a	ND	ND	ND	ND	ND
S-111a	ND	ND	ND	ND	ND
S-112a	ND	ND	ND	ND	ND
S-113a	ND	ND	ND	ND	ND
S-114a	ND	ND	ND	ND	ND
S-201a	ND	ND	ND	ND	ND
S-202a	ND	ND	ND	ND	ND
S-203a	ND	ND	ND	ND	ND
S-204a	ND	ND	ND	ND	ND
S-205a	ND	ND	ND	ND	ND
S-206a	ND	ND	ND	ND	ND
S-207a	ND	ND	ND	ND	ND
S-208a	ND	ND	ND	ND	ND
S-209a	ND	ND	ND	ND	ND
S-210a	ND	ND	ND	ND	ND
S-211a	ND	ND	ND	ND	ND
S-212a	ND	ND	ND	ND	ND
S-213a	ND	ND	ND	ND	ND
S-214a	ND	ND	ND	ND	ND
S-301a	ND	ND	ND	ND	ND
S-302a	ND	ND	ND	ND	ND
S-303a	ND	ND	ND	ND	ND
S-304a	ND	ND	ND	ND	ND
S-305a	ND	ND	ND	ND	ND
S-306a	ND	ND	ND	ND	ND
S-307a	ND	ND	ND	ND	ND
S-308a	ND	ND	ND	ND	ND
S-309a	ND	ND	ND	ND	ND
S-310a	ND	ND	ND	ND	ND
S-311a	ND	ND	ND	ND	ND
S-312a	ND	ND	ND	ND	ND
S-313a	ND	ND	ND	ND	ND
S-314a	ND	ND	ND	ND	ND
S-401a	ND	ND	ND	ND	ND
S-402a	ND	ND	ND	ND	ND
S-403a	ND	ND	ND	ND	ND
S-404a	ND	ND	ND	ND	ND
S-405a	ND	ND	ND	ND	ND
S-406a	ND	ND	ND	ND	ND
S-407a	ND	ND	ND	ND	ND
S-408a	ND	ND	ND	ND	ND
S-409a	ND	ND	ND	ND	ND
S-410a	ND	ND	ND	ND	ND
S-411a	ND	ND	ND	ND	ND
S-412a	ND	ND	ND	ND	ND
S-413a	ND	ND	ND	ND	ND
S-414a	ND	ND	ND	ND	ND
S-501a	ND	ND	ND	ND	ND
S-502a	ND	ND	ND	ND	ND
S-503a	ND	ND	ND	ND	ND
S-504a	ND	ND	ND	ND	ND
S-505a	ND	ND	ND	ND	ND
S-506a	ND	ND	ND	ND	ND
S-507a	ND	ND	ND	ND	ND
S-508a	ND	ND	ND	ND	ND
S-509a	ND	ND	ND	ND	ND
S-510a	ND	ND	ND	ND	ND
S-511a	ND	ND	ND	ND	ND
S-512a	ND	ND	ND	ND	ND
S-513a	ND	ND	ND	ND	ND
S-514a	ND	ND	ND	ND	ND

Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	Thiophenol
CAS	624-89-5	352-93-2	109-79-5	624-92-0	108-98-5
Sample ID MW	76.16	90.19	90.186	94.19	110.18
MDL (ppmv)					
S-101a	0.005	0.005	0.005	0.005	0.005
S-102a	0.005	0.005	0.005	0.005	0.005
S-103a	0.005	0.005	0.005	0.005	0.005
S-104a	0.005	0.005	0.005	0.005	0.005
S-105a	0.005	0.005	0.005	0.005	0.005
S-106a	0.005	0.005	0.005	0.005	0.005
S-107a	0.005	0.005	0.005	0.005	0.005
S-108a	0.005	0.005	0.005	0.005	0.005
S-109a	0.005	0.005	0.005	0.005	0.005
S-110a	0.005	0.005	0.005	0.005	0.005
S-111a	0.005	0.005	0.005	0.005	0.005
S-112a	0.005	0.005	0.005	0.005	0.005
S-113a	0.005	0.005	0.005	0.005	0.005
S-114a	0.005	0.005	0.005	0.005	0.005
S-201a	0.005	0.005	0.005	0.005	0.005
S-202a	0.005	0.005	0.005	0.005	0.005
S-203a	0.005	0.005	0.005	0.005	0.005
S-204a	0.005	0.005	0.005	0.005	0.005
S-205a	0.005	0.005	0.005	0.005	0.005
S-206a	0.005	0.005	0.005	0.005	0.005
S-207a	0.005	0.005	0.005	0.005	0.005
S-208a	0.005	0.005	0.005	0.005	0.005
S-209a	0.005	0.005	0.005	0.005	0.005
S-210a	0.005	0.005	0.005	0.005	0.005
S-211a	0.005	0.005	0.005	0.005	0.005
S-212a	0.005	0.005	0.005	0.005	0.005
S-213a	0.005	0.005	0.005	0.005	0.005
S-214a	0.005	0.005	0.005	0.005	0.005
S-301a	0.005	0.005	0.005	0.005	0.005
S-302a	0.005	0.005	0.005	0.005	0.005
S-303a	0.005	0.005	0.005	0.005	0.005
S-304a	0.005	0.005	0.005	0.005	0.005
S-305a	0.005	0.005	0.005	0.005	0.005
S-306a	0.005	0.005	0.005	0.005	0.005
S-307a	0.005	0.005	0.005	0.005	0.005
S-308a	0.005	0.005	0.005	0.005	0.005
S-309a	0.005	0.005	0.005	0.005	0.005
S-310a	0.005	0.005	0.005	0.005	0.005
S-311a	0.005	0.005	0.005	0.005	0.005
S-312a	0.005	0.005	0.005	0.005	0.005
S-313a	0.005	0.005	0.005	0.005	0.005
S-314a	0.005	0.005	0.005	0.005	0.005
S-401a	0.005	0.005	0.005	0.005	0.005
S-402a	0.005	0.005	0.005	0.005	0.005
S-403a	0.005	0.005	0.005	0.005	0.005
S-404a	0.005	0.005	0.005	0.005	0.005
S-405a	0.005	0.005	0.005	0.005	0.005
S-406a	0.005	0.005	0.005	0.005	0.005
S-407a	0.005	0.005	0.005	0.005	0.005
S-408a	0.005	0.005	0.005	0.005	0.005
S-409a	0.005	0.005	0.005	0.005	0.005
S-410a	0.005	0.005	0.005	0.005	0.005
S-411a	0.005	0.005	0.005	0.005	0.005
S-412a	0.005	0.005	0.005	0.005	0.005
S-413a	0.005	0.005	0.005	0.005	0.005
S-414a	0.005	0.005	0.005	0.005	0.005
S-501a	0.005	0.005	0.005	0.005	0.005
S-502a	0.005	0.005	0.005	0.005	0.005
S-503a	0.005	0.005	0.005	0.005	0.005
S-504a	0.005	0.005	0.005	0.005	0.005
S-505a	0.005	0.005	0.005	0.005	0.005
S-506a	0.005	0.005	0.005	0.005	0.005
S-507a	0.005	0.005	0.005	0.005	0.005
S-508a	0.005	0.005	0.005	0.005	0.005
S-509a	0.005	0.005	0.005	0.005	0.005
S-510a	0.005	0.005	0.005	0.005	0.005
S-511a	0.005	0.005	0.005	0.005	0.005
S-512a	0.005	0.005	0.005	0.005	0.005
S-513a	0.005	0.005	0.005	0.005	0.005
S-514a	0.005	0.005	0.005	0.005	0.005

Sample ID	Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	Thiophenol	oF	oC	oK	RT
	CAS	624-89-5	352-93-2	109-79-5	624-92-0	108-98-5				
	MW	76.16	90.19	90.186	94.19	110.18				
Data Used (mg/m3)										
S-101a		<7.56E-03	<8.95E-03	<8.95E-03	<9.35E-03	<1.09E-02	93	33.9	307.0	25.2
S-102a		<7.52E-03	<8.90E-03	<8.90E-03	<9.30E-03	<1.09E-02	96	35.6	308.7	25.3
S-103a		<7.52E-03	<8.90E-03	<8.90E-03	<9.30E-03	<1.09E-02	96	35.6	308.7	25.3
S-104a		<7.58E-03	<8.98E-03	<8.98E-03	<9.38E-03	<1.10E-02	91	32.8	305.9	25.1
S-105a		<7.46E-03	<8.84E-03	<8.84E-03	<9.23E-03	<1.08E-02	100	37.8	310.9	25.5
S-106a		<7.45E-03	<8.82E-03	<8.82E-03	<9.21E-03	<1.08E-02	101	38.3	311.5	25.6
S-107a		<7.46E-03	<8.84E-03	<8.84E-03	<9.23E-03	<1.08E-02	100	37.8	310.9	25.5
S-108a		<7.42E-03	<8.79E-03	<8.79E-03	<9.18E-03	<1.07E-02	103	39.4	312.6	25.7
S-109a		<7.23E-03	<8.56E-03	<8.56E-03	<8.94E-03	<1.05E-02	118	47.8	320.9	26.3
S-110a		<7.27E-03	<8.61E-03	<8.61E-03	<8.99E-03	<1.05E-02	115	46.1	319.3	26.2
S-111a		<7.27E-03	<8.61E-03	<8.61E-03	<8.99E-03	<1.05E-02	115	46.1	319.3	26.2
S-112a		<7.11E-03	<8.42E-03	<8.42E-03	<8.79E-03	<1.03E-02	128	53.3	326.5	26.8
S-113a		<7.11E-03	<8.42E-03	<8.42E-03	<8.79E-03	<1.03E-02	128	53.3	326.5	26.8
S-114a		<7.81E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.13E-02	75	23.9	297.0	24.4
S-201a		<7.58E-03	<8.98E-03	<8.98E-03	<9.38E-03	<1.10E-02	91	32.8	305.9	25.1
S-202a		<7.61E-03	<9.01E-03	<9.01E-03	<9.41E-03	<1.10E-02	89	31.7	304.8	25.0
S-203a		<7.58E-03	<8.98E-03	<8.98E-03	<9.38E-03	<1.10E-02	91	32.8	305.9	25.1
S-204a		<7.49E-03	<8.87E-03	<8.87E-03	<9.26E-03	<1.08E-02	98	36.7	309.8	25.4
S-205a		<7.26E-03	<8.59E-03	<8.59E-03	<8.97E-03	<1.05E-02	116	46.7	319.8	26.2
S-206a		<7.16E-03	<8.47E-03	<8.47E-03	<8.85E-03	<1.04E-02	124	51.1	324.3	26.6
S-207a		<7.09E-03	<8.40E-03	<8.40E-03	<8.77E-03	<1.03E-02	129	53.9	327.0	26.8
S-208a		<7.19E-03	<8.52E-03	<8.52E-03	<8.90E-03	<1.04E-02	121	49.4	322.6	26.5
S-209a		<7.19E-03	<8.52E-03	<8.52E-03	<8.90E-03	<1.04E-02	121	49.4	322.6	26.5
S-210a		<6.98E-03	<8.26E-03	<8.26E-03	<8.63E-03	<1.01E-02	139	59.4	332.6	27.3
S-211a		<7.12E-03	<8.43E-03	<8.43E-03	<8.80E-03	<1.03E-02	127	52.8	325.9	26.7
S-212a		<6.96E-03	<8.25E-03	<8.25E-03	<8.61E-03	<1.01E-02	140	60.0	333.2	27.3
S-213a		<6.96E-03	<8.25E-03	<8.25E-03	<8.61E-03	<1.01E-02	140	60.0	333.2	27.3
S-214a		<7.81E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.13E-02	75	23.9	297.0	24.4
S-301a		<7.61E-03	<9.01E-03	<9.01E-03	<9.41E-03	<1.10E-02	89	31.7	304.8	25.0
S-302a		<7.61E-03	<9.01E-03	<9.01E-03	<9.41E-03	<1.10E-02	89	31.7	304.8	25.0
S-303a		<7.71E-03	<9.13E-03	<9.13E-03	<9.54E-03	<1.12E-02	82	27.8	300.9	24.7
S-304a		<7.64E-03	<9.05E-03	<9.05E-03	<9.45E-03	<1.11E-02	87	30.6	303.7	24.9
S-305a		<7.33E-03	<8.68E-03	<8.68E-03	<9.07E-03	<1.06E-02	110	43.3	316.5	26.0
S-306a		<7.34E-03	<8.70E-03	<8.70E-03	<9.08E-03	<1.06E-02	109	42.8	315.9	25.9
S-307a		<7.36E-03	<8.71E-03	<8.71E-03	<9.10E-03	<1.06E-02	108	42.2	315.4	25.9
S-308a		<7.48E-03	<8.85E-03	<8.85E-03	<9.25E-03	<1.08E-02	99	37.2	310.4	25.5
S-309a		<7.34E-03	<8.70E-03	<8.70E-03	<9.08E-03	<1.06E-02	109	42.8	315.9	25.9
S-310a		<7.26E-03	<8.59E-03	<8.59E-03	<8.97E-03	<1.05E-02	116	46.7	319.8	26.2
S-311a		<7.36E-03	<8.71E-03	<8.71E-03	<9.10E-03	<1.06E-02	108	42.2	315.4	25.9
S-312a		<7.28E-03	<8.62E-03	<8.62E-03	<9.00E-03	<1.05E-02	114	45.6	318.7	26.2
S-313a		<7.28E-03	<8.62E-03	<8.62E-03	<9.00E-03	<1.05E-02	114	45.6	318.7	26.2
S-314a		<7.81E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.13E-02	75	23.9	297.0	24.4
S-401a		<7.54E-03	<8.93E-03	<8.93E-03	<9.33E-03	<1.09E-02	94	34.4	307.6	25.2
S-402a		<7.44E-03	<8.81E-03	<8.81E-03	<9.20E-03	<1.08E-02	102	38.9	312.0	25.6
S-403a		<7.37E-03	<8.73E-03	<8.73E-03	<9.12E-03	<1.07E-02	107	41.7	314.8	25.8
S-404a		<7.45E-03	<8.82E-03	<8.82E-03	<9.21E-03	<1.08E-02	101	38.3	311.5	25.6
S-405a		<7.28E-03	<8.62E-03	<8.62E-03	<9.00E-03	<1.05E-02	114	45.6	318.7	26.2
S-406a		<7.21E-03	<8.53E-03	<8.53E-03	<8.91E-03	<1.04E-02	120	48.9	322.0	26.4
S-407a		<7.26E-03	<8.59E-03	<8.59E-03	<8.97E-03	<1.05E-02	116	46.7	319.8	26.2
S-408a		<7.41E-03	<8.77E-03	<8.77E-03	<9.16E-03	<1.07E-02	104	40.0	313.2	25.7
S-409a		<7.24E-03	<8.58E-03	<8.58E-03	<8.96E-03	<1.05E-02	117	47.2	320.4	26.3
S-410a		<7.27E-03	<8.61E-03	<8.61E-03	<8.99E-03	<1.05E-02	115	46.1	319.3	26.2
S-411a		<7.17E-03	<8.49E-03	<8.49E-03	<8.86E-03	<1.04E-02	123	50.6	323.7	26.6
S-412a		<7.34E-03	<8.70E-03	<8.70E-03	<9.08E-03	<1.06E-02	109	42.8	315.9	25.9
S-413a		<7.34E-03	<8.70E-03	<8.70E-03	<9.08E-03	<1.06E-02	109	42.8	315.9	25.9
S-414a		<7.81E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.13E-02	75	23.9	297.0	24.4
S-501a		<7.56E-03	<8.95E-03	<8.95E-03	<9.35E-03	<1.09E-02	93	33.9	307.0	25.2
S-502a		<7.50E-03	<8.88E-03	<8.88E-03	<9.28E-03	<1.09E-02	97	36.1	309.3	25.4
S-503a		<7.49E-03	<8.87E-03	<8.87E-03	<9.26E-03	<1.08E-02	98	36.7	309.8	25.4
S-504a		<7.42E-03	<8.79E-03	<8.79E-03	<9.18E-03	<1.07E-02	103	39.4	312.6	25.7
S-505a		<7.07E-03	<8.37E-03	<8.37E-03	<8.74E-03	<1.02E-02	131	55.0	328.2	26.9
S-506a		<7.11E-03	<8.42E-03	<8.42E-03	<8.79E-03	<1.03E-02	128	53.3	326.5	26.8
S-507a		<7.11E-03	<8.42E-03	<8.42E-03	<8.79E-03	<1.03E-02	128	53.3	326.5	26.8
S-508a		<7.14E-03	<8.46E-03	<8.46E-03	<8.83E-03	<1.03E-02	125	51.7	324.8	26.7
S-509a		<7.29E-03	<8.64E-03	<8.64E-03	<9.02E-03	<1.06E-02	113	45.0	318.2	26.1
S-510a		<7.24E-03	<8.58E-03	<8.58E-03	<8.96E-03	<1.05E-02	117	47.2	320.4	26.3
S-511a		<7.29E-03	<8.64E-03	<8.64E-03	<9.02E-03	<1.06E-02	113	45.0	318.2	26.1
S-512a		<7.19E-03	<8.52E-03	<8.52E-03	<8.90E-03	<1.04E-02	121	49.4	322.6	26.5
S-513a		<7.19E-03	<8.52E-03	<8.52E-03	<8.90E-03	<1.04E-02	121	49.4	322.6	26.5
S-514a		<7.81E-03	<9.25E-03	<9.25E-03	<9.66E-03	<1.13E-02	75	23.9	297.0	24.4

Compound	Methylethylsulfide	Diethyl Sulfide	n-Butyl Mercaptan	Dimethyl Disulfide	Thiophenol	
CAS	624-89-5	352-93-2	109-79-5	624-92-0	108-98-5	
Sample ID MW	**76.16**	**90.19**	**90.186**	**94.19**	**110.18**	
Flux (mg/m2-min)						Flow (m3/min)
S-101a	<3.11E-04	<3.68E-04	<3.68E-04	<3.85E-04	<4.50E-04	0.005
S-102a	<2.63E-04	<3.12E-04	<3.12E-04	<3.26E-04	<3.81E-04	0.005
S-103a	<2.83E-04	<3.35E-04	<3.35E-04	<3.50E-04	<4.10E-04	0.005
S-104a	<2.80E-04	<3.32E-04	<3.32E-04	<3.46E-04	<4.05E-04	0.005
S-105a	<2.71E-04	<3.21E-04	<3.21E-04	<3.35E-04	<3.92E-04	0.005
S-106a	<2.64E-04	<3.13E-04	<3.13E-04	<3.27E-04	<3.82E-04	0.005
S-107a	<2.76E-04	<3.27E-04	<3.27E-04	<3.42E-04	<4.00E-04	0.005
S-108a	<3.67E-04	<4.35E-04	<4.35E-04	<4.54E-04	<5.31E-04	0.006
S-109a	<3.40E-04	<4.03E-04	<4.02E-04	<4.20E-04	<4.92E-04	0.006
S-110a	<2.72E-04	<3.22E-04	<3.22E-04	<3.36E-04	<3.93E-04	0.005
S-111a	<3.94E-04	<4.66E-04	<4.66E-04	<4.87E-04	<5.70E-04	0.007
S-112a	<2.70E-04	<3.20E-04	<3.20E-04	<3.34E-04	<3.90E-04	0.005
S-113a	<2.95E-04	<3.49E-04	<3.49E-04	<3.64E-04	<4.26E-04	0.005
S-114a	<2.97E-04	<3.52E-04	<3.52E-04	<3.68E-04	<4.30E-04	0.005
S-201a	<2.81E-04	<3.33E-04	<3.33E-04	<3.47E-04	<4.06E-04	0.005
S-202a	<3.03E-04	<3.59E-04	<3.59E-04	<3.75E-04	<4.38E-04	0.005
S-203a	<3.26E-04	<3.86E-04	<3.86E-04	<4.04E-04	<4.72E-04	0.006
S-204a	<2.90E-04	<3.43E-04	<3.43E-04	<3.59E-04	<4.19E-04	0.005
S-205a	<3.95E-04	<4.68E-04	<4.68E-04	<4.89E-04	<5.72E-04	0.007
S-206a	<4.20E-04	<4.97E-04	<4.97E-04	<5.19E-04	<6.07E-04	0.008
S-207a	<5.04E-04	<5.96E-04	<5.96E-04	<6.23E-04	<7.28E-04	0.009
S-208a	<5.85E-04	<6.93E-04	<6.93E-04	<7.23E-04	<8.46E-04	0.011
S-209a	<4.76E-04	<5.63E-04	<5.63E-04	<5.88E-04	<6.88E-04	0.009
S-210a	<5.32E-04	<6.30E-04	<6.30E-04	<6.58E-04	<7.69E-04	0.010
S-211a	<5.62E-04	<6.65E-04	<6.65E-04	<6.95E-04	<8.13E-04	0.010
S-212a	<3.34E-04	<3.95E-04	<3.95E-04	<4.13E-04	<4.83E-04	0.006
S-213a	<3.36E-04	<3.97E-04	<3.97E-04	<4.15E-04	<4.85E-04	0.006
S-214a	<3.28E-04	<3.88E-04	<3.88E-04	<4.05E-04	<4.74E-04	0.005
S-301a	<2.76E-04	<3.27E-04	<3.27E-04	<3.42E-04	<4.00E-04	0.005
S-302a	<3.79E-04	<4.49E-04	<4.49E-04	<4.69E-04	<5.49E-04	0.006
S-303a	<4.13E-04	<4.89E-04	<4.89E-04	<5.11E-04	<5.97E-04	0.007
S-304a	<4.47E-04	<5.29E-04	<5.29E-04	<5.53E-04	<6.47E-04	0.008
S-305a	<3.41E-04	<4.04E-04	<4.04E-04	<4.22E-04	<4.94E-04	0.006
S-306a	<3.33E-04	<3.94E-04	<3.94E-04	<4.12E-04	<4.82E-04	0.006
S-307a	<3.89E-04	<4.60E-04	<4.60E-04	<4.81E-04	<5.62E-04	0.007
S-308a	<3.24E-04	<3.84E-04	<3.84E-04	<4.01E-04	<4.69E-04	0.006
S-309a	<2.82E-04	<3.35E-04	<3.35E-04	<3.49E-04	<4.09E-04	0.005
S-310a	<4.06E-04	<4.81E-04	<4.81E-04	<5.02E-04	<5.87E-04	0.007
S-311a	<4.82E-04	<5.71E-04	<5.71E-04	<5.97E-04	<6.98E-04	0.009
S-312a	<3.49E-04	<4.13E-04	<4.13E-04	<4.32E-04	<5.05E-04	0.006
S-313a	<2.92E-04	<3.46E-04	<3.46E-04	<3.61E-04	<4.22E-04	0.005
S-314a	<3.55E-04	<4.21E-04	<4.21E-04	<4.39E-04	<5.14E-04	0.006
S-401a	<2.71E-04	<3.21E-04	<3.21E-04	<3.36E-04	<3.93E-04	0.005
S-402a	<2.75E-04	<3.25E-04	<3.25E-04	<3.40E-04	<3.97E-04	0.005
S-403a	<3.02E-04	<3.58E-04	<3.58E-04	<3.74E-04	<4.37E-04	0.005
S-404a	<3.69E-04	<4.37E-04	<4.37E-04	<4.56E-04	<5.34E-04	0.006
S-405a	<3.04E-04	<3.60E-04	<3.60E-04	<3.76E-04	<4.40E-04	0.005
S-406a	<2.71E-04	<3.20E-04	<3.20E-04	<3.35E-04	<3.92E-04	0.005
S-407a	<2.68E-04	<3.18E-04	<3.18E-04	<3.32E-04	<3.88E-04	0.005
S-408a	<2.77E-04	<3.28E-04	<3.28E-04	<3.42E-04	<4.00E-04	0.005
S-409a	<3.43E-04	<4.06E-04	<4.06E-04	<4.24E-04	<4.96E-04	0.006
S-410a	<3.26E-04	<3.86E-04	<3.86E-04	<4.03E-04	<4.72E-04	0.006
S-411a	<3.88E-04	<4.59E-04	<4.59E-04	<4.80E-04	<5.61E-04	0.007
S-412a	<2.68E-04	<3.17E-04	<3.17E-04	<3.31E-04	<3.88E-04	0.005
S-413a	<2.66E-04	<3.15E-04	<3.15E-04	<3.29E-04	<3.84E-04	0.005
S-414a	<2.55E-04	<3.01E-04	<3.01E-04	<3.15E-04	<3.68E-04	0.004
S-501a	<4.32E-04	<5.12E-04	<5.12E-04	<5.35E-04	<6.25E-04	0.007
S-502a	<4.16E-04	<4.93E-04	<4.93E-04	<5.15E-04	<6.02E-04	0.007
S-503a	<3.14E-04	<3.72E-04	<3.72E-04	<3.88E-04	<4.54E-04	0.005
S-504a	<3.55E-04	<4.20E-04	<4.20E-04	<4.39E-04	<5.13E-04	0.006
S-505a	<3.98E-04	<4.72E-04	<4.72E-04	<4.93E-04	<5.76E-04	0.007
S-506a	<4.14E-04	<4.90E-04	<4.90E-04	<5.12E-04	<5.98E-04	0.008
S-507a	<3.69E-04	<4.37E-04	<4.37E-04	<4.57E-04	<5.34E-04	0.007
S-508a	<3.33E-04	<3.95E-04	<3.95E-04	<4.12E-04	<4.82E-04	0.006
S-509a	<2.80E-04	<3.31E-04	<3.31E-04	<3.46E-04	<4.05E-04	0.005
S-510a	<3.27E-04	<3.87E-04	<3.87E-04	<4.04E-04	<4.73E-04	0.006
S-511a	<2.68E-04	<3.17E-04	<3.17E-04	<3.31E-04	<3.87E-04	0.005
S-512a	<4.34E-04	<5.14E-04	<5.14E-04	<5.37E-04	<6.28E-04	0.008
S-513a	<3.71E-04	<4.39E-04	<4.39E-04	<4.58E-04	<5.36E-04	0.007
S-514a	<3.45E-04	<4.08E-04	<4.08E-04	<4.26E-04	<4.99E-04	0.006

CE Schmidt, Ph.D.
Environmental Consultant

ATTACHMENT A

EMISSION MEASUREMENT DATA SHEETS

19200 Live Oak Road Red Bluff, CA 96080 (530) 529-4256 Fax- 4878

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 175 L#1

SURFACE DESCRIPTION DIRT OVER MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA cc 73196 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

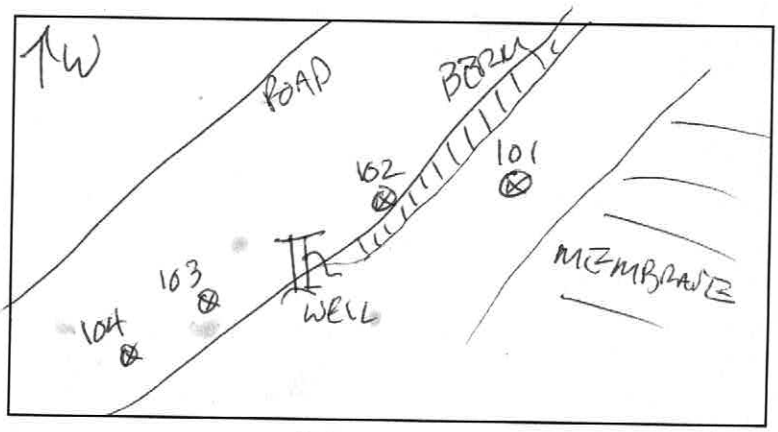
Time	203 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
~~0922~~	5	0						~~1392~~			
		1								T101	# 758
V		2								Δt	1003-1007
0940		3	91	93	91	78	0.0 / 0.0	~~462~~		S101a	1002
		4						N/D		S101b	1002
0952		5						<0.05			
								CM TUBE			

COMMENTS:

NF / F
FID Outside: 0.1 / 0.0
H_2S Outside: ~~1392~~ N/D
~~1462~~ <0.05 CM TUBE

Coordinates
11 S 348,355
3,811,626

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRC JDN RCW

LOCATION Chiquita Canyon Landfill CELL # 175 L#2

SURFACE DESCRIPTION ROAD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR VAP + 1,1-DFA CC 173196 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

Time	203 RCB Sweep Air (L/min)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0922	5	0						1392			
↓		1								T102	# ~~1010~~ 1005
↓		2								At	1010
0940		3	102	96	87	80	0.0 / 0.0	~~1462~~		S1029	1003
		4						N/D		S1026	1003
0952	↓	5						<0.05			
								CM TUBE			

COMMENTS:

NF / F
FID Outside: 0.0 / 0.0
H_2S Outside: ~~1392~~ 1005
~~1462~~ -
N/D <0.05 CM TUBE

Coordinates
11 S 348,354
3,811,615

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 175 L# 3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☒ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR VAP+LI-DFA CC 90075 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) 208 PPD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0922	5	0						~~1392~~			
↓		1								T103	#548
↓		2								At	4
0940		3	97	96	90	80	0/0	~~1467~~	0	S1039	1001
		4						CMTUBE		S1036	1001
0952	▼	5						N/D			
								<0.05			

COMMENTS:

NP / F
FID Outside: 0 / 0
H_2S Outside: ~~1392~~ -
~~1467~~ 0
N/D <0.05 CMTUBE

Coordinates
11 S 34[illegible],358
3,81[illegible],605

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/25 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 175 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☒ Wet Wipe ☐ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☑ New ☐ Used ☐

SWEEP AIR UHP-N, 1-DFA CC 90075 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	208 PD Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0922	5	0						~~1352~~			
↓	↓	1								T104	#990
↓	↓	2								At	4
0940	↓	3	90	91	91	79	0 / 0	1462		S104a	0957
	↓	4						0.001		S104b	0957
0952		5									

COMMENTS:

NMF / F
FID Outside: 0 / 0
H_2S Outside: ~~1352~~
1462 - 0.005

Coordinates
11 S 34 8,362
3,81 1,597

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 173 L#1

SURFACE DESCRIPTION WHITE MEMBRANE / TAN MEMBRANE PATCH

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+N-DFA CC 173196 SUPPLIER LNG PSIG START 1900 PSIG STOP _____

Time	Sweep Air (L/min) 203 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1026	5	0									
↓	↓	1						1392		T105	# 885
↓	↓	2						1.8		At	1100 - 1105
1044	↓	3	108	100	94	87	4.7/2.6			S105a	1059
	↓	4								S105b	1059
1056	↓	5									

COMMENTS:

NF / F
FID Outside: 7.9 / 3.8
H_2S Outside: ~~N/A~~ 1392 - 1.4

Coordinates
11 S 348,388
3,811,571

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRL JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 173 L#2

SURFACE DESCRIPTION WHITE MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐ _____

CHAMBER SEAL 4 CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐ _____

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 73196 SUPPLIER LINDE PSIG START 1900 PSIG STOP _____

Time	Sweep Air (L/min) 203886	Res. Number	Temperature (°F) Chamber Surf	Temperature (°F) Chamber Air	Temperature (°F) Ambient Surf	Temperature (°F) Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	Real-Time (ppmv) H_2S	Real-Time (ppmv)	Sample Number	Comments
1026	5	0									
↓		1						1392		T106	* 755
↓		2						1.8		At	
1044		3	107	101	100	82	1.7/0.7			S106a	1058
		4								S106b	1058
1056	↓	5									

COMMENTS:

FID Outside: NF 2.9 / F 2.9

H_2S Outside: 1392 - 0.34

Coordinates

11 S 34 8,392

3,81 1,563

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS LBS TRL JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 173 L#3

SURFACE DESCRIPTION WHITE MEMBRANE SEAM (WELDED)

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 90075 SUPPLIER LINDE PSIG START 900 PSIG STOP _____

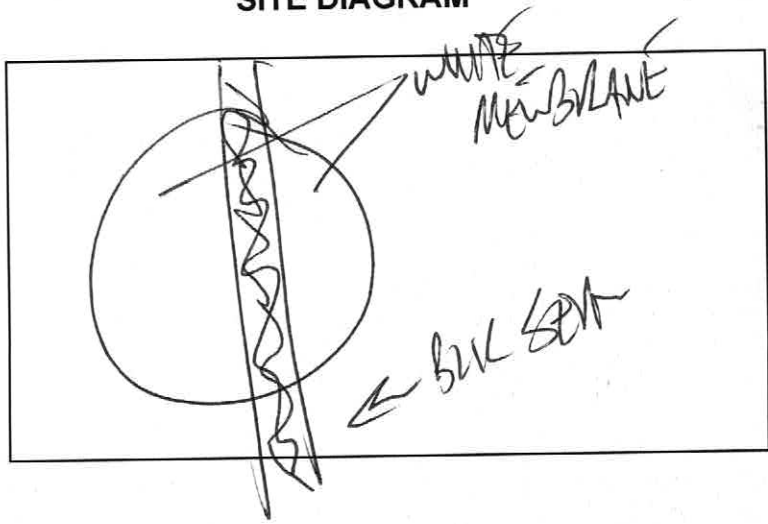
Time	Sweep Air (L/min) 208 RD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1026	5	0									
		1						1392		T107	# 182 1103
↓		2						0.32		Δt	4 MIN LAG
1044		3	97	100	95	85	2.2 / 0.0			S107G	1059
		4								S107B	1059
1056	↓	5									

COMMENTS:

UP / F
FID Outside: 2.7 / 0.0
H_2S Outside: 1392 - 0.16

Coordinates
11 S 348,407
3,811,561

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES JDE JDA RLW

LOCATION Chiquita Canyon Landfill CELL # 173 LH4

SURFACE DESCRIPTION WHITE MEMBRANE SEAM ON BLACK PATCH

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 90075 SUPPLIER LINDE PSIG START 1900 PSIG STOP _____

Time	Sweep Air (L/min) 208 PM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1026	5	0									
		1						1392		T108	#551 1008
↓		2					NF /	0.37		Δt	1057-1102
1044		3	100	103	99	90	0.0 / 0.0			S108a	1056
		4								S108b	1056
1056	↓	5									

COMMENTS:

NF / NF

FID Outside: 0.0 / 0.0

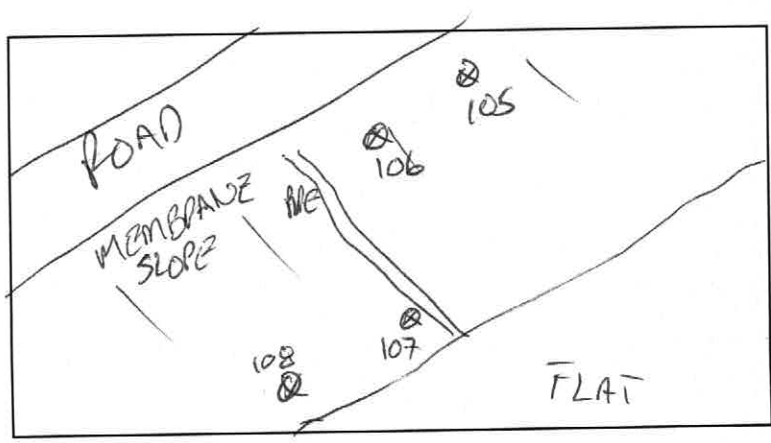
H_2S Outside: 1392 - 0.21

Coordinates

11 S 348,412

3,811,547

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 177 L#1

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 173196 SUPPLIER LINDE PSIG START 700 PSIG STOP _____

Time	Sweep Air (L/min) 20 SPM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1130	5	0									
↓	↓	1					TVA	~~1762~~		T109	# 638
↓		2					NF / F			Δt	4
1140		3	114	118	106	91	-2 / ~~-3~~	N/D		S109a	1212
		4					MF	<0.05		S109b	1212
1200	↓	5					0.0 / 0.0	CMTUBE			

COMMENTS:

TVA NF / F MF NF, F

FID Outside: -2 / -1 0.0 / 0.0

H_2S Outside: 13CR - 0.40

Coordinates
11 S 348,451
3,811,652

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS LES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 177 L#2

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL 1 CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP+1,1-DFA CC 90075 SUPPLIER LINDE PSIG START 1700 PSIG STOP _____

Time	20SRS Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1130	5	0									
↓	↓	1								T110	#800
↓	↓	2					TVA	N/D		Δt	4
1148	↓	3	114	115	112	90	-1.6/-2.5	<0.05		S110a	1203
	↓	4					MF	CM TUBE		S110b	1203
1200	▼	5					0.4/2				

COMMENTS:

MF TVA
PF / F NF / F
FID Outside: 2.6/2.8 -1/-1
H_2S Outside: N/D <0.05
CM TUBE

Coordinates
11 S 348,448
3,811,666

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 177 L#3

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐ _____

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐ _____

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2, 1-DFA CC 90075 SUPPLIER LINDE PSIG START 1700 PSIG STOP _____

Time	Sweep Air (L/min) 208 AM	Res. Number	Temperature (°F) Chamber Surf	Temperature (°F) Chamber Air	Temperature (°F) Ambient Surf	Temperature (°F) Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	Real-Time (ppmv) H_2S	Real-Time (ppmv)	Sample Number	Comments
1130	5	0									
↓	↓	1								TIII	# 645
↓	↓	2					TVA	N/D		Δt	1208-1206
1148	↓	3	120	115	112	91	-0.9/-2.5	<0.05		SIIIa	1200
↓	↓	4					MF	CM TUBE		SIIIb	1200
1203	↓	5					4.7/~~6.8~~ 2.7				

COMMENTS:

TVA MF

UP F F

FID Outside: ~~0.5~~ / -1 7.8/6.8

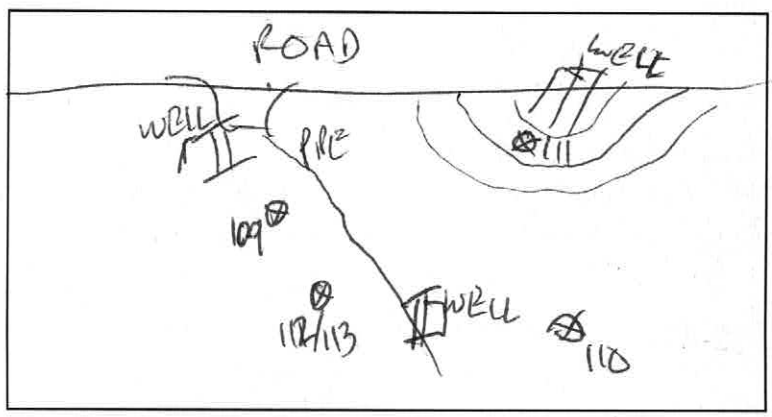
H_2S Outside: N/D <0.05 CM TUBE

Coordinates

11 S 34 8,434

3,811,663

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/20/26 SAMPLERS CES TRC CDA RCW

LOCATION Chiquita Canyon Landfill Cell # 177 L#4

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP+1,1-DFA CC 173196 SUPPLIER LINDE PSIG START 1700 PSIG STOP _____

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1130	5	0								T112	# 663
↓	↓	1						1362		ΔE	1217-1220
↓	↓	2					TVA	0.44		S112a	1215
1148	↓	3	122	128	118	94	-3/-3			S112b	1215
	↓	4					MF			T113	# 859
1200		5					0.0/0.0			ΔF	1221-1224
										S113a	1215
										S113b	1215

COMMENTS:

	TVA		MF	
	MF	F	MF	F
FID Outside:	-2	-2	0.0	0.0
H_2S Outside:	0.21 (1362)			

MEDIA BLANK ~~1249~~ 1251
T114 - #529
CC400075 208 PPb

Coordinates
11 S 348,441
3,811,646

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 2+1 L#1

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☐ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 90075 SUPPLIER LINDE PSIG START 1500 PSIG STOP

Time	Sweep Air (L/min) 208 PPS	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0859	5	0									0946
↓		1						1392		T201	# 653 0949
↓		2					TVA	0.28		At	3 MIN
0917		3	93	91	89	77	23/21			S201a	0943
		4						1462		S201b	0943
0929	↓	5						0.000			

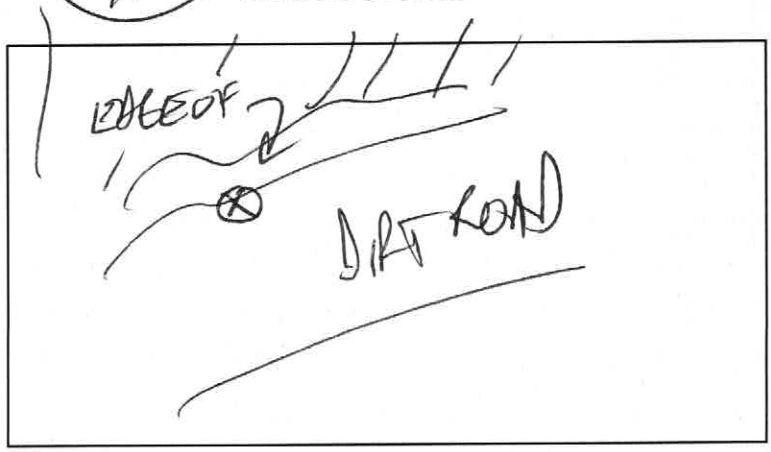
COMMENTS:

FID Outside: 18 NF / 11 F

H_2S Outside: 1392 - 0.15
1462 - 0.004

Coordinates
11 S 34 8,412
3,81 0,919

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 241 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFAcc 90075 SUPPLIER LINDE PSIG START 1500 PSIG STOP

Time	Sweep Air (L/min) 208 PPb	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0859	5	0									
↓	↓	1						1392		T202	#803
↓		2					TVA	0.22		At	0941-0945
0917		3	91	89	86	78	1.2/4			S202a	0940
		4					0	1462		S202b	0940
0929	↓	5						0.000			

COMMENTS: TVA NF/F

FID Outside: 22/6

H_2S Outside: 1392 - 0.17
1462 - 0.004

Coordinates
11 S 348,397
3,810,913

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 2+1 LIFT 3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2 - DFA CC 73196 SUPPLIER LINDE PSIG START 1400 PSIG STOP

Time	Sweep Air (L/min) 203 PPD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0859	5	0						1392			
↓	↓	1						0.28		T203	# 668
↓	↓	2					TVA,			Δt	0937/0941
0917	↓	3	93	91	93	77	122/105	1462		S203a	0936
↓	↓	4						0.000		S203b	0936
0929	↓	5									

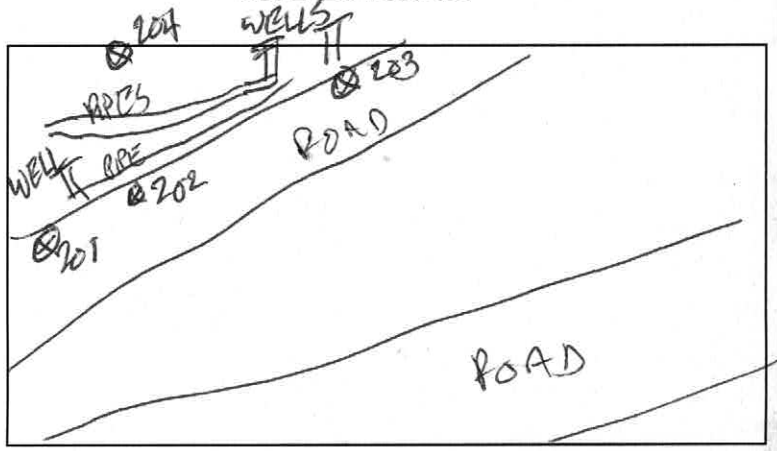
COMMENTS:

FID Outside: NF 25 / F 3.0

H_2S Outside: 1392 - 0.21
1462 - 0.000

Coordinates
11 S 348,370
3,813,003

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 241 L#4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA CC 173196 SUPPLIER LINDE PSIG START 1400 PSIG STOP

Time	Sweep Air (L/min) 203 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0859	5	0									
↓	↓	1						1392		T204	# 688
↓	↓	2					TVA/	0/SCALE		At	0933/0938
0917	↓	3	99	98	99	78	7%/~~86~~			S204a	0932
	↓	4					79%	1462		S204b	0932
0929	↓	5						99			

COMMENTS:

TVA
NF / F
FID Outside: 128 / 360
H_2S Outside: 1392 - 0.41
1462 - 0.005

Coordinates
11 S 348,381
3,810,894

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CBS TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 2&3 Lift 1

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA cc 173196 SUPPLIER LINDE PSIG START 1300 PSIG STOP

Time	Sweep Air (L/min) 2038	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1013	5	0									
↓	↓	1						1392	1.2	T205	#761
↓	↓	2					TVA			Δt	
1031	↓	3	115	116	105	82	-23/-1.7			S205a	
	↓	4						1462	0.000	S205b	
1043	↓	5									

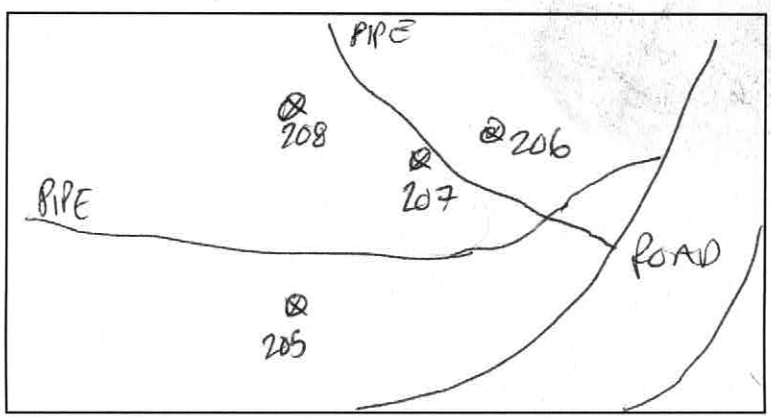
COMMENTS:

FID Outside: -1 NF / F -0.6

H_2S Outside: 1392 - 0.28
1462 - 0.004

Coordinates
11 S 348,423
3,810,870

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 2HD L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. A PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP 1,1 DFA CC 90075 SUPPLIER LINDE PSIG START 1300 PSIG STOP

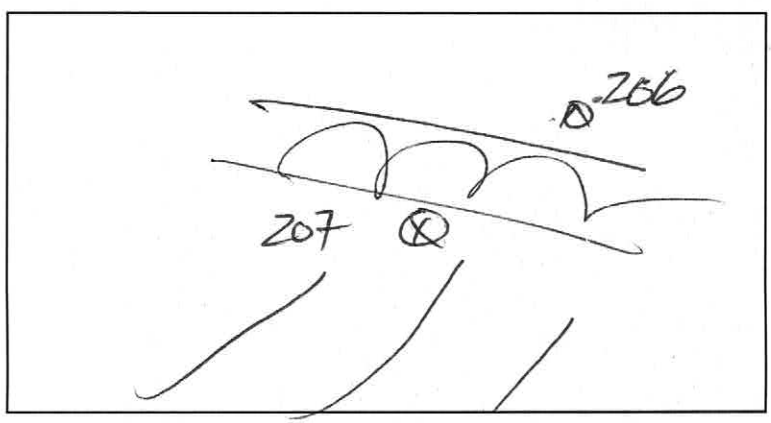
Time	Sweep Air (L/min) 208PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1013	5	0									
↓	↓	1						1392i	1.3	T206	#694 1055
↓	↓	2					TVR,			At	
1031	↓	3	125	124	108	85	380/350			S206a	1049
	↓	4						1462i	0.000	S206b	1049
1043	↓	5									

COMMENTS:

NP/F
FID Outside: 40/40
H_2S Outside: 1392 - 0.28
1462 - 0.009

Coordinates
11 S 348,440
3,810,889

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 240 LF 3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☑ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+L-DFG cc 90075 SUPPLIER LINDE PSIG START 1300 PSIG STOP

Time	Sweep Air (L/min) 208 RD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1013	5	0									
↓	↓	1						1392	0.23	T207	#809
↓	↓	2					TVA			At	1051-1055
1031	↓	3	130	129	109	93	2.3/2.3			S207a	1050
↓	↓	4						1462	0.000	S207b	1050
1043	↓	5									

COMMENTS:

TVA
MP / F
FID Outside: 1 / 10
H_2S Outside: 1392 : 1.1
1462 : 0.009

Coordinates
11 S 348,448
3,810,892

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill Cell #240 LH4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☐ P.Sun ☒ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP-N1-IPA CC 173196 SUPPLIER LNM2 PSIG START 1300 PSIG STOP

Time	Sweep Air (L/min) 203 RD	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1013	5	0									
↓	↓	1						1392	0.46	T208	# 526
↓	↓	2					TVA			At	~~0845~~ / ~~0849~~
1031	↓	3	120	121	115	89	4300/4300	↓		S208a	~~0904~~
	↓	4						1462	0.008	S208b	~~0914~~
1043	↓	5									

COMMENTS:

TVA
NF / F
FID Outside: 320 / 520
H_2S Outside: 1392 - 0.26
1462 - 0.009

Coordinates
11 S 348,416
3,810,888

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC SDA RCW

LOCATION Chiquita Canyon Landfill CELL # 52 L# 1

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP/I-DFA CC F73196 SUPPLIER LINDE PSIG START 1100 PSIG STOP

Time	Sweep Air (L/min) (203 RB)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1127	5	0									
↓	↓	1						1392	0.37	T209	#856
↓		2					TVA			At	1202/1207
1145		3	140	121	104	94	18/14			S209a	1201
		4						1462	0.000	S209b	1201
1157	↓	5									

COMMENTS:

TVA NF/F

BLANK CA90070 208 PPBV

FID Outside: 16/16

H_2S Outside: 1392 - 1.2
1462 - 0.005

Coordinates
11 S 349,716
3,811,424

SITE DIAGRAM

CAN F214 1238

BKG 1236 214 95

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill Cell # 52 Lt 2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP-I/I-DFAcc 90075 SUPPLIER LINDE PSIG START 1100 PSIG STOP

Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F) Chamber Surf	Temperature (°F) Chamber Air	Temperature (°F) Ambient Surf	Temperature (°F) Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	Real-Time (ppmv) H_2S	Real-Time (ppmv)	Sample Number	Comments
1127	5	0									
↓	↓	1						1392	0.32	T210	#679
↓	↓	2					TVA			At	1215 1218
1145		3	174	139	128	96	20/25			S210a	1212
		4						1462	0.001	S210b	1212
1157	↓	5									

COMMENTS:

TVA
NF / F
FID Outside: 32 / 34
H_2S Outside: 1392 - 0.27
1462 - 0.006

Coordinates
11 S 349,185
3,811,378

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JJA RCW

LOCATION Chiquita Canyon Landfill CELL # 52 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP-1,1-DFA CC 173196 SUPPLIER LINDE PSIG START 1100 PSIG STOP

Time	Sweep Air (L/min) 203 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1127	5	0									
↓	↓	1						1392	0.21	T211	# 762
↓	↓	2					~~FF~~ NF			At	1310/1314
1145	↓	3	142	127	114	99	21 / 23			S211a	1206
↓	↓	4					↓	1462	0.000	S211b	1206
1157	↓	5									

COMMENTS:

~~FF~~ NF / F

FID Outside: 34 / 27

H_2S Outside: 1392 - 0.25
1462 - 0.007

Coordinates
11 S 349,217
3,811,412

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/21/26 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 52 L#4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☐ REPLICATE MEASUREMENTS ☐
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2-DFA CC 90075 SUPPLIER LINDE PSIG START 1100 PSIG STOP

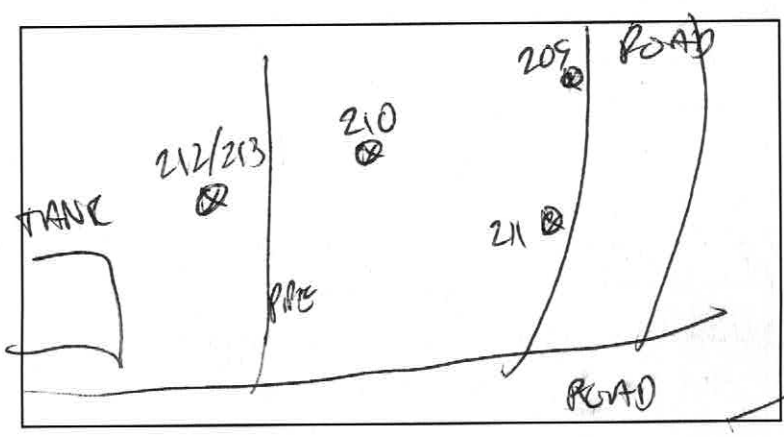
Time	Sweep Air (L/min) 200 ppb	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1127	5	0								T212	# 710
↓		1						1392	1.1	At	1215-1218
↓		2					TVA			S212a	1214
1145		3	139	140	123	97	~~140~~ / 5300			S212b	1214
		4					5100	1462	0.000	T213	# 655
1157	▼	5								At	1219-1222
										S213a	1214
										S213b	1214

COMMENTS:

TVA
NF / F
FID Outside: 140 / 115
H_2S Outside: 1392 : 0.23
1462 : 0.006

Coordinates
11 S 349,177
3,811,367

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CES TRC JOA RCW

LOCATION Chiquita Canyon Landfill CELL # 69 L#1

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP-N2-DFA cc 90075 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min) 208 ppb	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0747	5	0						1392-0.21			
↓	↓	1								T301	# 659
↓	↓	2					MTVA			At	0823-0826
0805	↓	3	90	89	83	72	0.6/0.8	1462-0.003		S301a	0822
↓	↓	4								S301b	0822
0817	↓	5					MF 3.9/3.6				

COMMENTS: MTVA MF

NF/F NF/F

FID Outside: 2.2/2.1 5.6/6.8

H_2S Outside: 1392 - 0.000

1462 - 0.000

Coordinates

11 S 34 ~~8,967~~ 8979

3,81 ~~1,780~~ 1784

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 69 L#2

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL ✓ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP+1,1-DFA cc 90075 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

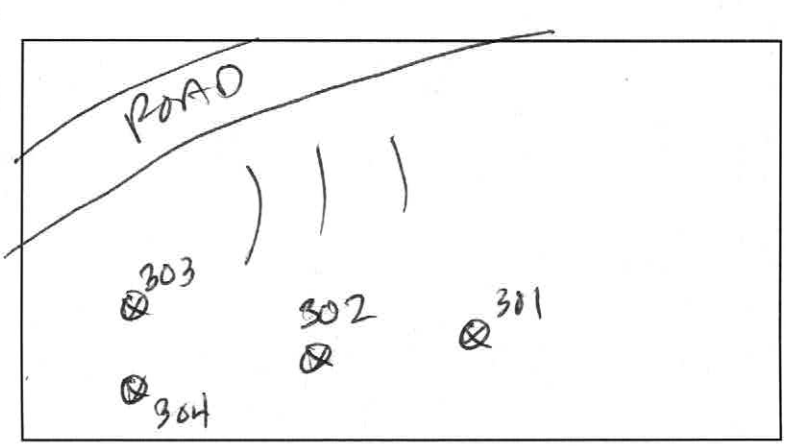
Time	Sweep Air (L/min) 208 PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0747	5	0						1392	0.23		
↓	↓	1								T302	# 897
↓	↓	2					MTVA			At	0837
0805	↓	3	85	99	86	71	0.4/0.5	1462	-0.004	S302a	0928
↓	↓	4					MF			S302b	0826
0817	↓	5					3.9/3.7				

COMMENTS:

	MTVA NF	MTVA F	MF NF	MF F
FID Outside:	2.2	2.2	5.8	5.8
H_2S Outside:	1392 - 0.19			
	1462 - 0.000			

Coordinates
11 S 348,967
3,811,780

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 69 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL ✓ CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA cc 17396 SUPPLIER LINDE PSIG START 900 PSIG STOP

Time	Sweep Air (L/min) 20 3PM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0747	5	0						1392-1.4			
↓	↓	1					M			T303	# 754
↓	↓	2					TVA			Δt	0823/0827
0805	↓	3	84	82	82	72	0.7/0.7	1462-0.004		S303a	0821
↓	↓	4					MF			S303b	0821
0817	↓	5					3.4/3.3				

COMMENTS:

M TVA MF
NF/F NF/F
FID Outside: 2.8/2.5 4.7/6.4
H_2S Outside: 1392 - 0.32
1462 - 0.001

Coordinates
11 S 34 8,949
3,81 1,787

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS LES TRE JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 6G L#4

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA cc 173196 SUPPLIER LINDE PSIG START 800 PSIG STOP _____

Time	Sweep Air (L/min) 203 RD	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0747	5	0						1392-0.28			
↓		1								T304	# 745
↓		2					MTVA			Δt	0825/0829
0805		3	93	87	83	72	0.5/0.6	1462-0.004		S304a	0824
		4								S304b	0824
0817	↓	5					MF				
							3.9/3.9				

COMMENTS:

MTVA NF/F MF NF/F

FID Outside: 2.2/2.4 5.8/6.0

H_2S Outside: 1392 - 0.14
1462 - 0.600

Coordinates
11 S 348,952
3,811,774

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # LY/ L# 1

SURFACE DESCRIPTION LAY DOWN YARD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 90075 SUPPLIER LINDE PSIG START 600 PSIG STOP _____

Time	Sweep Air (L/min) 208 PD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0921	5	0						1392	+0.30		
↓	↓	1								T305	# 741
↓	↓	2					NFNF			At	0958 - 1100
0939		3	120	110	97	90	2.4/2.6	1462	+0.000	S305a	0957
		4								S305b	0957
0951	↓	5					NF/F				
							11/15				

COMMENTS:

NFNF / F NF / F

FID Outside: 2.0 / 2.0 11 / 18

H_2S Outside: 1392 - 0.27

1462 - 0.012

Coordinates

11 S 349,101

3,811,771

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CBS TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # LY LA 2

SURFACE DESCRIPTION LAY DOWN YARD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA cc 73196 SUPPLIER LINDE PSIG START 600 PSIG STOP _____

Time	203 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0921	5	0						1392	1.3		
↓		1								T306	# 708
↓		2					NF/F			Δt	1001 1005
0939		3	104	109	103	87	813/807	1462	0.000	S306a	1059
		4					MF			S306b	1059
0951	↓	5					1060/1060				

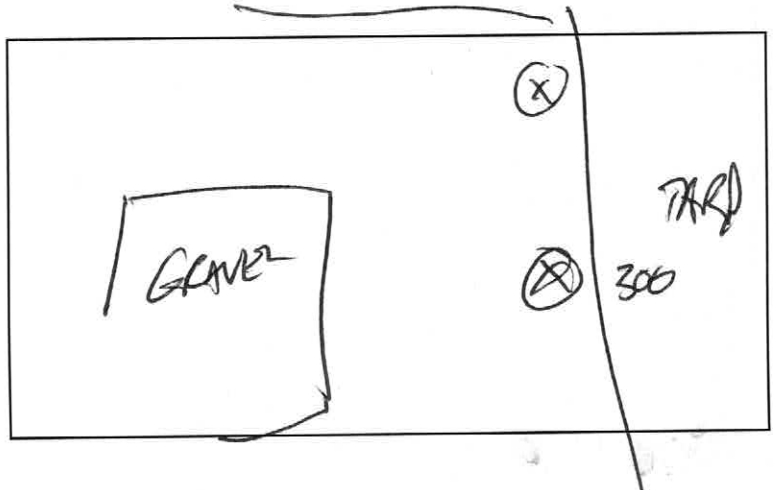
COMMENTS:

	NF	F	MF	F
FID Outside:	4.0	33.3	12	50

H_2S Outside: 1392 - 0.29
1462 - 0.000

Coordinates
11 S 349,055
3,811,746

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # LY L#3

SURFACE DESCRIPTION CAY/ DOWN YARD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. _____ PHOTO TAKEN: Yes ☒ No ☐ _____

CHAMBER SEAL _____ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐ _____

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP-1,1-DFA CC 173196 SUPPLIER LINDE PSIG START 600 PSIG STOP _____

Time	203 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0921	5	0						1392 -	1.6		
↓	↓	1								T307	# 698
↓	↓	2					MTVA			Δt	1001/1005
0939	↓	3	104	108	105	86	~~310~~ / 2443	1462 -	0.000	S307a	0959
↓	↓	4					2556			S307b	0959
0951	↓	5					MF				
							~~10~~ / 2800				
							3100				

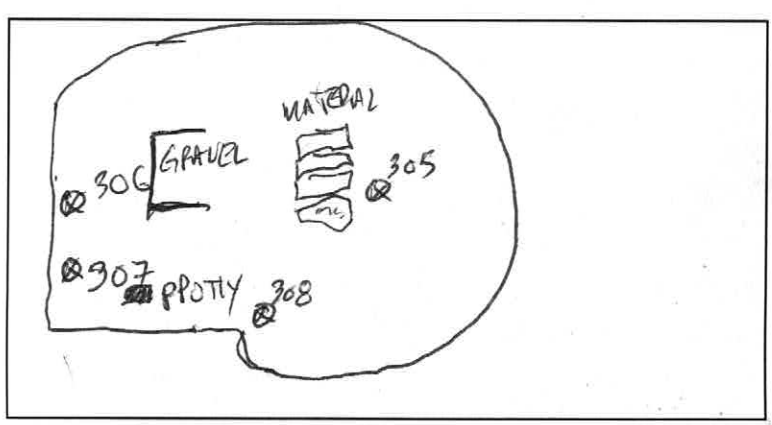
COMMENTS:

	MTVA NF	MTVA F	MF NF	MF F
FID Outside:	4.3	44.8	10	58

H_2S Outside: 1392 - 1.1
1462 - 0.000

Coordinates
11 S 34 9,054
3,81 1,727

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # LY L#4

SURFACE DESCRIPTION LAY DOWN YARD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2 1,1-DFA CC 90075 SUPPLIER LINDE PSIG START 600 PSIG STOP _____

208 FPD

Time	Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
0921	5	0						1392-	1.2		
↓	↓	1								T308	# 608
↓	↓	2					MTVA			Δt	0954/0959
0939	↓	3	101	99	98	82	3.4%/38+	1362-	0.000	S3089	0953
↓	↓	4								S3086	0953
0951	↓	5					MF 5100+/5100+				

COMMENTS:

MTVA NF/F MF NF/F

FID Outside: 21/16 /230

H_2S Outside: 1392- 0.30

1462- 0.000

Coordinates

11 S 349,098

3,811,724

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # R L#1

SURFACE DESCRIPTION ROAD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2, 1-OFF CC 173F6 SUPPLIER LINDE PSIG START 500 PSIG STOP _____

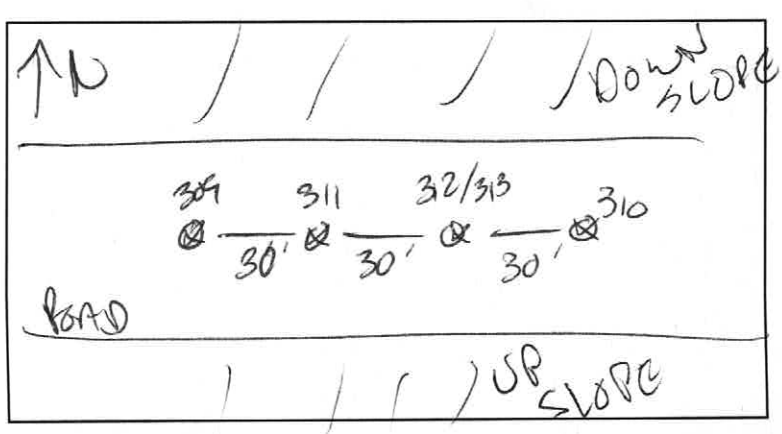
Time	Sweep Air (L/min) (203 PPB)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1043	5	0						1392	-0.33		
↓	↓	1								T309	# 647
↓	↓	2					MTVA			At	1117-1121
1101	↓	3	115	109	107	92	0.3 / 0.4	1462	-0.000	S309a	1116
↓	↓	4					NF			S309b	1116
1113	↓	5					5.3 / 5.8				

COMMENTS:

	MTVA NF	MTVA F	NF NF	NF F
FID Outside:	1.1	0.9	7.0	7
H_2S Outside:	1392 - 0.24			
	1462 - 0.005			

Coordinates
11 S 348,840
3,811,798

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # R L# 2

SURFACE DESCRIPTION ROAD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR ~~VHP~~ ~~H2-DPA~~ CC 90075 SUPPLIER LINDE PSIG START 400 PSIG STOP _____

Time	Sweep Air (L/min) 208 PPD	Res. Number	Temperature (°F) Chamber Surf	Temperature (°F) Chamber Air	Temperature (°F) Ambient Surf	Temperature (°F) Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	Real-Time (ppmv) H_2S	Real-Time (ppmv)	Sample Number	Comments
1043	5	0						1392	-0.28		
↓		1								T310	# 654
↓		2					MF/NF			At	1123/1126
1101		3	111	116	96	92	0 / -0.3	1462	0.000	S310a	1121
		4								S310b	1121
113	↓	5					MF				
							1.9 / 2.3				

COMMENTS: MF/NF

FID Outside: 1.4 / 1 MF/NF 4.4/6.5

H_2S Outside: 1392 - 0.26
1462 - 0.000

Coordinates
11 S 348,870
3,811,800

SITE DIAGRAM

RCW
#173196
203 ppbv 1,1 DFA
~~T-312~~
T-314 662 1150
G-314a,b 1149

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # F L#3

SURFACE DESCRIPTION ROAD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP+1,1-DFA cc 73196 SUPPLIER LINDE PSIG START 500 PSIG STOP _____

Time	Sweep Air (L/min) 203 PPB	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1043	5	0						1392	0.24		
↓	↓	1								T311	# 605
↓	↓	2					MTVA			Δt	7115/1119
1101	↓	3	105	108	104	90	-0.3/-0.3	1462	0.000	S311a	1114
↓	↓	4					MF			S311b	1114
1113	↓	5					3.1/3.4				

COMMENTS:

MTVA MF
NF / F NF / F
FID Outside: 1.0 / 1.1 / 5.2
H_2S Outside: 1392 - 0.26
1462 - 0.000

Coordinates
11 S 348,852
3,811,800

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/22/26 SAMPLERS LES TRE JDA RCW

LOCATION Chiquita Canyon Landfill CELL # R L#4

SURFACE DESCRIPTION ROAD

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 90075 SUPPLIER LINDE PSIG START 400 PSIG STOP _____

Time	Sweep Air (L/min) 203PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1043	5	0						1392	0.25	T312	#730
↓	↓	1								Δt	
↓	↓	2					MTVA			S312a	
1101	↓	3	124	114	109	92	0.4 / -0.3	1462	0.000	S312b	
	↓	4					MF			T313	#766
1013	↓	5					2.4 / 2.7			Δt	
										S313a	
										S313b	

COMMENTS:

MTVA MF

NF / F NF / F

FID Outside: 1.0 / 1.1 5 / 5.1

H_2S Outside: 1392 - 0.24

1462 - 0.003

Coordinates

11 S 348,862

3,811,800

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 36 L#1

SURFACE DESCRIPTION ROADSIDE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL ~ CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC HH339 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

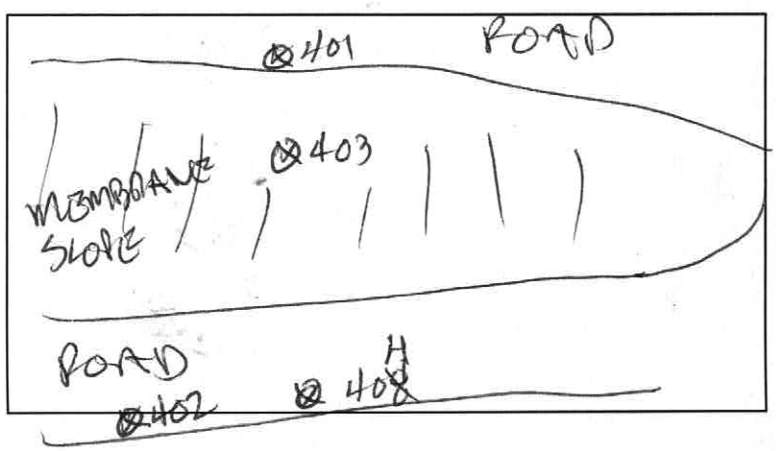
Time	Sweep Air (L/min) 204 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0826	5	0						1392-	0.12		
		1								T401	# 643
		2					NMVA			Δt	0859/0903
0844		3	83	94	91	85	0.3/0.7	1462-	0.000	S4019	0859
		4								S4016	0858
0856	↓	5					MF 4.0/~~4.0~~ 6.6				

COMMENTS:

NMVA MF
NF / F NF / F
FID Outside: 3.5/5.0 10/9.1
H_2S Outside: 1392- 0.16
1462- 0.004

Coordinates
11 S 348,963
3,811,618

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TPC JDA RCW

LOCATION Chiquita Canyon Landfill CELL #36 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 100011 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) 2:2 PM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0826	5	0						1392 - 0.20			
↓	↓	1								T402	# 740
↓	↓	2					MFVA			Δt	0900-0904
0844	↓	3	93	102	89	87	4160/4156	1462 - 0.001		S402a	0859
	↓	4								S402b	0859
0856	↓	5					MF 4300/4300				

COMMENTS:

MFVA
NF / F NF / F
FID Outside: 110/57 100/16
H_2S Outside: 1392 - 0.15
1462 - 0.006

Coordinates
11 S 349,017
3,811,594

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC SDA RCW

LOCATION Chiquita Canyon Landfill CELL #36 LF4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA CC 100011 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) 2.2 PPD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0826	5	0						1392	0.002		
↓		1								T404	# 618
↓		2					MTVA			Δt	
0844		3	95	101	93	82	3256/3244	1462	0.001	S404a	
		4					MF			S404b	
0856	↓	5					3600/3600				

COMMENTS:

MTVA NF/F MF NF/F

FID Outside: 61.2/31.6 32/10

H_2S Outside: 1392 - 0.019

1462 - 0.005

Coordinates

11 S 349,013

3,811,612

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 36 L#3

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP+1,1-DFA cc 144339 SUPPLIER LINDE PSIG START 2000 PSIG STOP _____

Time	Sweep Air (L/min) 20 PSI	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0826	5	0						1392-	0.013		
		1								T403	# 699
		2					MTVA			4t	0904 090B
0844		3	121	107	105	84	0.2/0.3	1462	0.004	S403a	090
		4								S403b	0900
0856		5					MF				
							46.8/74				

COMMENTS:

	MTVA NF/F	MF NF/F
FID Outside:	3.6/5.0	10/12
H_2S Outside:	1392 - 0.11	
	1462 - 0.005	

Coordinates
11 S 34 8,980
3,81 1,613

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC JDA RCW

OCATION Chiquita Canyon Landfill CELL # 4/D L#1

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP-1,1-DFA CC 144334 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) 204 ppb	Res. Number	Temperature (°F) Chamber Surf	Temperature (°F) Chamber Air	Temperature (°F) Ambient Surf	Temperature (°F) Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	Real-Time (ppmv) H_2S	Real-Time (ppmv)	Sample Number	Comments
0924	5	0						1392	0.16		
↓	↓	1								T405	# 849
↓	↓	2					MDA			At	0959 / 1003
0942		3	115	114	103	89	0.0 / 0.0	1462	0.007	S405a	0958
		4								S405b	0958
0954	↓	5					MF 8.0 / 8.3				

COMMENTS:

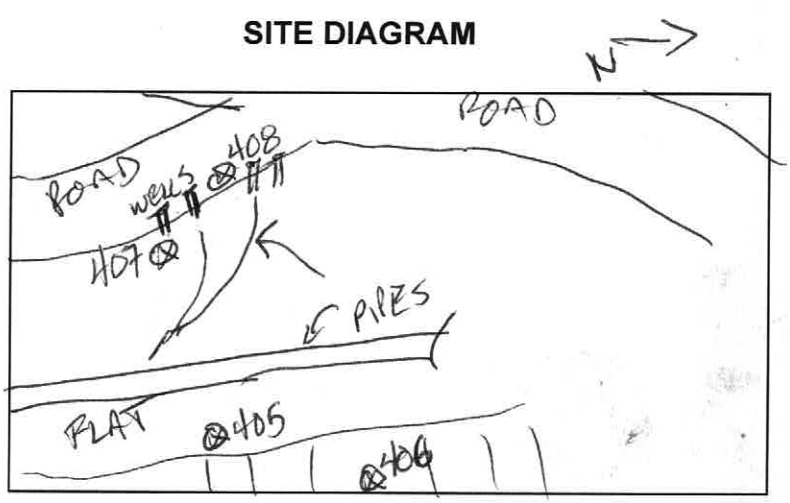
MDA MF / F MF / F

FID Outside: 2.4 / 3.3 10.5 / 12

H_2S Outside: 1392 - 0.18
1462 - 0.007

Coordinates
11 S 349,021
3,811,615

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC SDA RCW

LOCATION Chiquita Canyon Landfill CELL # 40 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☑ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA CC 44339 SUPPLIER LINDE PSIG START 2000 PSIG STOP

Time	Sweep Air (L/min) 207 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0924	5	0						1392	0.004		
		1								T406	# 506
↓		2					MTVA			At	1002-1006
0942		3	136	120	114	90	3.0 / 2.7	1462	0.000	S4069	1000
		4								S406b	1000
0954	↓	5					MF				
							10.8 / 10.8				

COMMENTS:

MTVA MF MF

NF / F NF / F

FID Outside: 1.9 / 1.7 10.8 / 10.6

H_2S Outside: 1392 - 0.030

1462 - 0.007

Coordinates

11 S 349,043

3,811,622

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 40 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. A PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL 1/ CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR DHF+1,1-DFA cc 100011 SUPPLIER LINDE PSIG START 1900 PSIG STOP

Time	Sweep Air (L/min) 212 PPD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0924	5	0						1392	0.20		
↓	↓	1								T407	#823
↓	↓	2					MDTA			At	1007 1010
0942	↓	3	123	116	100	91	0.1 / 0.2	1462	0.004	S407a	1004
	↓	4								S407b	1004
0954	↓	5					MF				
							7.5/23				

COMMENTS:

MDTA MF

NF/F NF/F

FID Outside: 3.0/4.0 10/13

H_2S Outside: 1392 - 1.2

1462 - 0.006

Coordinates

11 S 349,017

3,811,609

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 4D L# 4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2, 1-OFA cc 10001 SUPPLIER LINDE PSIG START 1900 PSIG STOP

Time	Sweep Air (L/min) 212-885	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0924	5	0						1392	0.002		
↓	↓	1								T408	# 739
↓	↓	2					MTVA			At	1011 / 1005
0942		3	102	104	93	91	2314/2153	1462	0.000	S408a	1004
		4								S408b	1009
0951	↓	5					MF				
							2200/2600				

COMMENTS:

MTVA MF

NF/F NF/F

FID Outside: 3.2/6.5 36/1600

H_2S Outside: 1392 - ~~0.000~~ 0.19

1462 - 0.006

LEADING WELL ~ 4' FROM CHAMBER

Coordinates

11 S 349,012

3,811,621

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 62 L#1

SURFACE DESCRIPTION TAN MEMBRANE

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐ _____

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐ _____

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 144339 SUPPLIER LINDE PSIG START 1800 PSIG STOP _____

Time	20 PPB Sweep Air (L/min)	Res. Number	Temperature (°F)				Real-Time (ppmv)			Sample Number	Comments
			Chamber		Ambient		FID No Filter/ Filter	H_2S			
			Surf	Air	Surf	Air					
1031	5	0						1392	0.30		
↓	↓	1								T409	# 732
↓	↓	2					MTMA			Δt	1110 - 1113
1049	↓	3	123	117	104	93	0.0/0.1	1462	0.005	S409a	1109
↓	↓	4					↓			S409b	1109
1101	↓	5					MF				
							7.2/11				

COMMENTS:

MTMA MF
NF/F NF/F
FID Outside: 2.6/2.0 9.9/12
H_2S Outside: 1392 - 0.13
1462 - 0.007

Coordinates
11 S 349,092
3,811,699

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 62 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2 / 1-DFA CC 100011 SUPPLIER LINDE PSIG START 1600 PSIG STOP

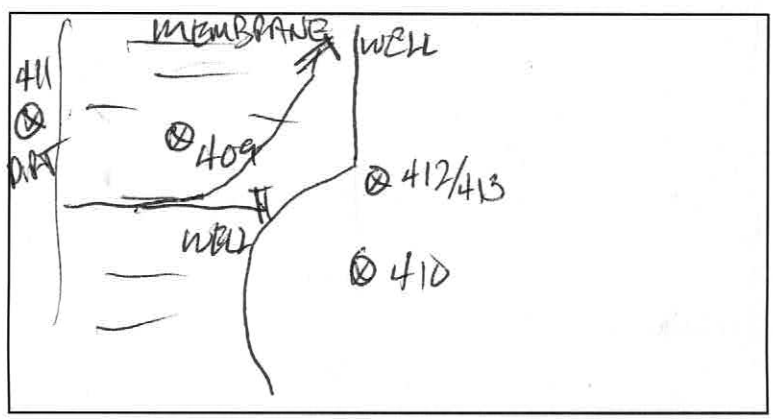
Time	Sweep Air (L/min) 22 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1031	5	0						1392-0.18			
↓		1								T410	#709
↓		2					MOVA			At	1109/1113
1039		3	128	115	108	97	9.4.2/9.1	1462-0.000		S410a	1108
		4								S410b	1109
1101	↓	5					MF				
							133/130				

COMMENTS:

	MOVA NF/F	MF NF/F
FID Outside:	6.6/3.7	14/12
H_2S Outside:	1392 - 0.25	
	1462 - 0.006	

Coordinates
11 S 34 1,105
3,81 1,726

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 62 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 14+3391 SUPPLIER LINDE PSIG START 1800 PSIG STOP

Time	Sweep Air (L/min) 20+PPD	Res. Number	Temperature (°F) Chamber Surf	Temperature (°F) Chamber Air	Temperature (°F) Ambient Surf	Temperature (°F) Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	Real-Time (ppmv) H_2S	Real-Time (ppmv)	Sample Number	Comments
1031	5	0						1392	0.25		
↓	↓	1								T411	# 750
↓	↓	2					MTVA			At	1107-1110
1049	↓	3	131	123	114	99	660/688	1462	0.002	S411a	1106
↓	↓	4								S411b	1106
1101	↓	5					MF				
							950/740				

COMMENTS:

MTVA MF

NF/F NF/F

FID Outside: 5.7/3.4 9.7/85

H_2S Outside: 1392 - 0.21

1462 - 0.008

Coordinates

11 S 349,088

3,811,677

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/23/26 SAMPLERS LES TDC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 62 L#4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UAP 1,1-DFA CC100011 SUPPLIER LINDE PSIG START 1608 PSIG STOP

Time	Sweep Air (L/min) 212 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1081	5	0						1392	0.20	T412	# 503
		1								Δt	1115
↓		2					MFVA			S412a	1108
1049		3	109	109	101	94	53%/59%	1462	0.000	S412b	1108
		4								T413	#695
1101	↓	5					MF			Δt	1119 1122
							>100+/>100+			S413a	1113
							0/5 0/5			S413b	1113

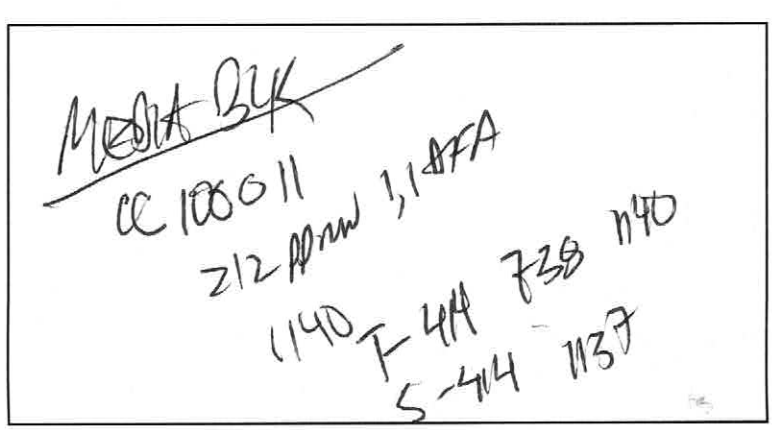
COMMENTS:

	MFVA NF	MFVA F	MF NF	MF F
FID Outside:	125	138	12	12

H_2S Outside: 1392 - 0.000
1462 - 0.000

Coordinates
11 S 349,099
3,811,722

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CRS TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 220 L#1

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA cc 4#339 SUPPLIER LINDE PSIG START 1500 PSIG STOP

Time	Sweep Air (L/min) 204 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0845	5	0						1392	0.000		
↓	↓	1								T501	# 895
↓	↓	2					TVA			Δt	0922
0903	↓	3	97	93	92	83	-5.5/-5.6	1462	0.000	S501a	0919
↓	↓	4					↓			S501b	0919
0915	↓	5					MF				
							0.0/0.6				

COMMENTS:

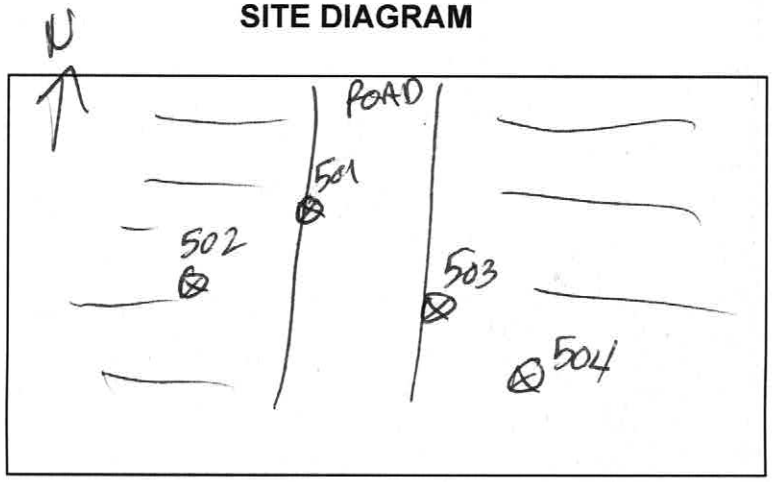
TVA NF/F MF NF/F

FID Outside: 3.4 / -2.5 1.1 / 3.1

H_2S Outside: 1392 - 0.013
1462 - 0.002

Coordinates
11 S 348,356
3,811,107

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 220 LA 2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2 -DFA CC 444391 SUPPLIER LINDE PSIG START 1500 PSIG STOP

Time	Sweep Air (L/min) 20 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0845	5	0						1392	0.13		
↓		1								T502	# 728
↓		2					TVA			At	0922/0926
0903		3	93	97	95	85	-5.5/-5.7	1962	0.000	S502a	0921
		4								S502b	0921
0915	↓	5					MF				
							0.0/0.0				

COMMENTS:

	TVA NF	TVA F	MF NF	MF F
FID Outside:	-2.0	-2.9	1.8	1.5

H_2S Outside: 1392 - 0.17
1462 - 0.003

Coordinates
11 S 348,343
3,811,105

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 220 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP N2-DFA CC 100011 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

Time	Sweep Air (L/min) 22480	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0845	5	0						1392 - 0.17			
↓		1								T503	# 858
↓		2					TVA			At	0929-0933
0903		3	110	98	91	86	~~0.0~~ / ~~-5.9~~	1462 - 0.000		S503a	0925
		4					-5.3 / -5.3			S503b	0925
0915	↓	5					MF				
							0.0 / 0.00				

COMMENTS:

	TVA NF	TVA F	MF NF	MF F
FID Outside:	-2.2	-2.9	2.5	2.4

H_2S Outside: 1392 - 0.18
1462 - 0.004

Coordinates
11 S 348,356
3,811,095

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRE JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 220 L#4

SURFACE DESCRIPTION _____

CURRENT ACTIVITY _____

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS _____

CHAMBER I.D. H PHOTO TAKEN: Yes ☒ No ☐ _____

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment _____

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☒ Dry Wipe ☐ None ☐ _____

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 10001 SUPPLIER LINDE PSIG START 1400 PSIG STOP _____

Time	Sweep Air (L/min) 22 PPD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0845	5	0						1392-0.30			
↓		1								T504	#556
↓		2					TVA			AE	0921-0926
0903		3	97	103	92	87	1706/1644	1462-0.00		S504a	0920
		4								S504b	0920
0915	↓	5					MF				
							560/1400				

COMMENTS:

TVA NF/F MF NF/F
FID Outside: 1644/786 560/19
H_2S Outside: 1392 - 0.16
1462 - 0.003

Coordinates
11 S 348,357
3,811,088

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 96 L#1

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☑ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP + 1,1-DFA CC 144339 SUPPLIER LINDE PSIG START 1400 PSIG STOP

Time	Sweep Air (L/min) 207PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0957	5	0						1392	0.16		
↓	↓	1								T505	#627
↓	↓	2					TVA			Δt	1036 1039
1015	↓	3	120	131	123	93	-4.8 / -4.4	1462	0.003	S505a	1033
	↓	4								S505b	1033
1627	↓	5					NF 4.1 / 5.1				

COMMENTS:

TVA NF/F NF NF/F

FID Outside: -2.1/-1.9 7.1/8.6

H_2S Outside: 1392 - 0.11

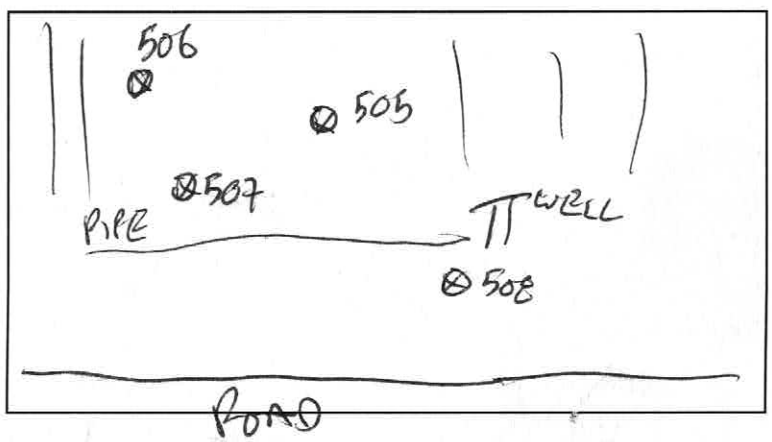
1462 - 0.000

Coordinates

11 S 34 8,750

3,81 1,185

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JOA RCW

LOCATION Chiquita Canyon Landfill CELL # 96 L#2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+L1-OFA CC 144339 SUPPLIER LINDE PSIG START 1800 PSIG STOP

Time	Sweep Air (L/min) 20+PPM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0957	5	0						1392-0.11			
↓		1								T506	# 760
↓		2					TVA			Δt	1031/1035
1015		3	151	128	115	92	-4.6/-4.3	1462	0.003	S506a	1030
		4								S506b	1030
1017	▼	5					MF				
							4.7/7.4				

COMMENTS:

TVA NF/F MF NF/F

FID Outside: -2.4/-2.3 8.4/15

H_2S Outside: 1392 - 0.25
1462 - 0.006

Coordinates
11 S 348,740
3,811,180

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JOA RCW

LOCATION Chiquita Canyon Landfill CEBL # 96 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal, ____ mph

TEMP _____ RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+Bl-DFA CC 100011 SUPPLIER LINDE PSIG START 1200 PSIG STOP _____

Time	Sweep Air (L/min) 2:12PM	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0957	5	0						1392 - 0.026			
		1								T507	#696
		2					TVA			Δt	1037 - 1041
1015		3	131	128	114	94	78.8 / 77.0	1462 - 0.004		S5070	1036
		4					MF			S5076	1036
1027		5					76 / 74				

COMMENTS:

	TVA NF / F	MF NF / F
FID Outside:	0.3 / 0.8	9.6 / 8.0
H_2S Outside:	1392 - 0.16	
	1462 - 0.009	

Coordinates
11 S 348,757
3,811,173

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 96 L#4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. A PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA CC 100011 SUPPLIER LINDE PSIG START 1200 PSIG STOP

Time	Sweep Air (L/min) 212 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
0957	5	0						1392-0.29			
↓		1								T508	# 768
↓		2					TVA			Δt	1033-1037
1015		3	133	125	122	94	~~1818~~/1818	1462-0.004		S508a	1032
		4					1835/			S508b	1032
1027	↓	5					NF				
							700/1700				

COMMENTS: TVA NF/F MF NF/F

FID Outside: 62/94.2 72/40

H_2S Outside: 1392 - 0.14
1462 - 0.009

Coordinates
11 S 34 8,770
3,81 1,172

SITE DIAGRAM

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 6 L# 1

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. F PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP 1,1-DFA CC 141339 SUPPLIER LINDE PSIG START 1200 PSIG STOP

Time	Sweep Air (L/min) (204 PPB)	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1106	5	0						1392+0.005			
↓		1								T509	#837
↓		2					TVA			DE	1147/1150
1124		3	125	113	99	95	5.1/4.9	1462+0.004		S509a	1146
		4								S509b	1146
1136	▼	5					MF				
							4.8/5.5				

COMMENTS:

	TVA NF	TVA F	MF NF	MF F
FID Outside:	-2.8	-2.2	7.2	7.5
H_2S Outside:	1392 - 0.18			
	1462 - 0.008			

Coordinates
11 S 349,088
3,810,940

SITE DIAGRAM

CC 1000 ll
212 ppbv 1,1 DFA
CW FSW 1205 770
BK 5-514 1207

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 6 L# 2

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. A PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 10001 SUPPLIER LINDE PSIG START 1000 PSIG STOP

Time	Sweep Air (L/min) 202 PPB	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1106	5	0						1392-	0.16		
↓		1								T510	# 642
↓		2					TVA			Δt	
1124		3	126	117	111	99	-4.7/-4.6	1462-	0.005	S510a	
		4								S510b	
1136	↓	5					MF				
							6.3/5.8				

COMMENTS:

TVA NF/F MF NF/F

FID Outside: 2.6/-2.8 8.5/7.4

H_2S Outside: 1392- 0.11
1462- 0.009

Coordinates
11 S 349,097
3,810,927

SITE DIAGRAM

Note:
Mach-up point freshly applied
~6' away
FC
1-point

SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS CES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 6 L#3

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. D PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL Y CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 144339 SUPPLIER LINDE PSIG START 1200 PSIG STOP

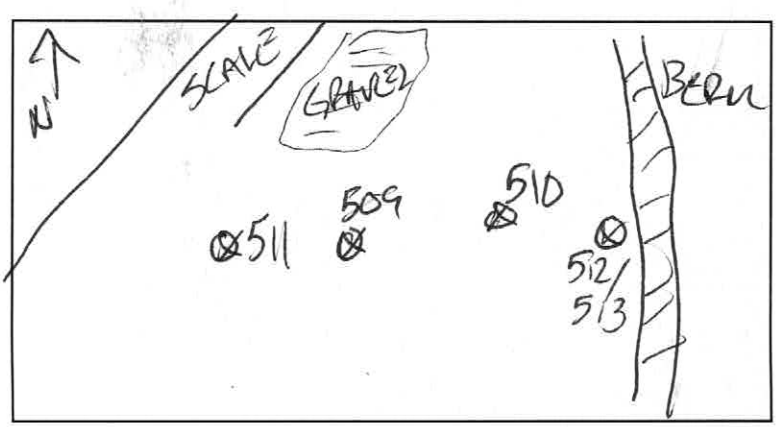
Time	Sweep Air (L/min) 204PPb	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1106	5	0						1392-0.008			
↓		1								T511	# 706
↓		2					TVA			At	1140 / 1144
1124		3	124	113	113	95	-1.8/-4.7	1462-0.004		S511a	1138
		4								S511b	1139
1136	↓	5					MF 4.3/7				

COMMENTS:

	TVA NF	TVA F	MF NF	MF F
FID Outside:	-2.7	-2.9	6.7	13
H_2S Outside:	1392 - 0.032			
	1462 - 0.009			

Coordinates
11 S 349,069
3,810,972

SITE DIAGRAM



SURFACE FLUX MEASUREMENT DATA FORM

DATE 7/24/26 SAMPLERS LES TRC JDA RCW

LOCATION Chiquita Canyon Landfill CELL # 6 L#4

SURFACE DESCRIPTION

CURRENT ACTIVITY

INSTRUMENT TYPE I.D. NO. TYPE ID NO.

INSTRUMENT BASELINE

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☒ REPLICATE MEASUREMENTS ☒
AMBIENT CONCENTRATIONS

CHAMBER I.D. B PHOTO TAKEN: Yes ☒ No ☐

CHAMBER SEAL V CONDENSATION: Yes ☐ No ☒ BARM PRESS

AMBIENT CONDITIONS: Sun ☒ P.Sun ☐ Cloudy ☐ Wind at 5', ___ mph Wind at Seal, ___ mph

TEMP RAIN: Yes ☐ No ☒ Comment

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☒ None ☐

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☒ PURGED PRIOR TO SAMPLING ☒ New ☐ Used ☐

SWEEP AIR UHP+1,1-DFA CC 100011 SUPPLIER LINDE PSIG START 1000 PSIG STOP

Time	Sweep Air (L/min) 2.2 RD	Res. Number	Temperature (°F) Chamber Surf	Chamber Air	Ambient Surf	Ambient Air	Real-Time (ppmv) FID No Filter/ Filter	H_2S		Sample Number	Comments
1106	5	0						1392 - 0.21		T512	#877
		1								Δt	1144 - 1148
		2					TVA			S512a	1142
1124		3	135	121	113	98	-4.1 / -4.1	1462 - 0.00		S512b	1142
		4								T513	#892
1136		5					MF			Δt	1148 - 1151
							7.5 / 7.7			S513a	1142
										S513b	1142

COMMENTS:

TVA MF / F MF / R
FID Outside: 2.7 / -2.7 10 / 9.4
H_2S Outside: 1392 - 0.21
1462 - 0.10

Coordinates
11 S 349,111
3,810,913

SITE DIAGRAM

CE Schmidt, Ph.D.
Environmental Consultant

ATTACHMENT B

CHAIN OF CUSTODY

19200 Live Oak Road Red Bluff, CA 96080 (530) 529-4256 Fax- 4878

CE Schmidt, Phd, Environmental Consultant TO-15 Day 1

Chain of Custody Record

| | | |

CE Schmidt, PhD, Environmental Consultant TO-15 Day 2

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:	# OF CONTAINERS
Client Name *SCS* *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080	
Project Manager *Pat Sullivan*	530-529-4256 E-Mail: SCHMIDTCE@aol.com	
Requested Completion Date		

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401

Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
	7/21/2026	916		x	T - 201	653	1		x		x	x	x	x	x	-29	0	15
	7/21/2026	941		x	T - 202	803	1		x		x	x	x	x	x	-29	0	16
	7/21/2026	937		x	T - 203	68	1		x		x	x	x	x	x	-29	0	17
	7/21/2026	933		x	T - 204	688	1		x		x	x	x	x	x	-29	0	18
	7/21/2026	1052		x	T - 205	761	1		x		x	x	x	x	x	-29	0	19
	7/21/2026	1051		x	T - 206	809	1		x		x	x	x	x	x	-29	0	20
	7/21/2026	1053		x	T - 207	694	1		x		x	x	x	x	x	-29	0	21
	7/21/2026	1045		x	T - 208	526	1		x		x	x	x	x	x	-29	0	22
	7/21/2026	1202		x	T - 209	856	1		x		x	x	x	x	x	-29	0	23
	7/21/2026	1214		x	T - 210	679	1		x		x	x	x	x	x	-29	0	24
	7/21/2026	1210		x	T - 211	762	1		x		x	x	x	x	x	-29	0	25
	7/21/2026	1215		x	T - 212	710	1		x		x	x	x	x	x	-29	0	26
	7/21/2026	1219		x	T - 213	655	1		x		x	x	x	x	x	-29	8	27
	7/21/2026	1238		x	T - 214	692	1		x		x	x	x	x	x	-29	0	28

Sampler: CE Schmidt	Date/Time: 7/24/26 1200	Relinquished by: CE Schmidt	Date/Time: 7/24/26 1200
Recieved by: Jon Bauman EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D2

000241 of 000978

CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

TO-15 Day 3

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS	Client Address and Phone Number	Laboratory Name
CES F1-02106	**Dr. Charles E. Schmidt**		***3900 Kilroy Airport Way, Suite 100***	***EAS***
Client Name	19200 Live Oak Road, Red Bluff, CA 96080		***Long Beach, CA 90806 562-743-7895***	Laboratory Address
SCS	530-529-4256		Analysis Requested	***173 Cross Street***
Chiquita Canyon Landfill	E-Mail: SCHMIDTCE@aol.com			***San Luis Obispo, CA 93401***
Project Manager				Laboratory Phone
Pat Sullivan				***805-781-3585***
Requested Completion Date				Laboratory Contact
				Dr. Steve Hoyt
				stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/22/2026	823		x	T - 301	659 897		x		x	x	x	x	x	-29	0	29
	7/22/2026	828		x	T - 302	897		x		x	x	x	x	x	-29	0	30
	7/22/2026	823		x	T - 303	754		x		x	x	x	x	x	-29	0	31
	7/22/2026	825		x	T - 304	745		x		x	x	x	x	x	-29	0	32
	7/22/2026	958		x	T - 305	741		x		x	x	x	x	x	-29	0	33
	7/22/2026	1001		x	T - 306	708		x		x	x	x	x	x	-29	0	34
	7/22/2026	1001		x	T - 307	698		x		x	x	x	x	x	-29	0	35
	7/22/2026	959		x	T - 308	608		x		x	x	x	x	x	-29	0	36
	7/22/2026	1117		x	T - 309	647		x		x	x	x	x	x	-29	0	37
	7/22/2026	1122		x	T - 310	654		x		x	x	x	x	x	-29	0	38
	7/22/2026	1115		x	T - 311	605		x		x	x	x	x	x	-29	0	39
	7/22/2026	1123		x	T - 312	730		x		x	x	x	x	x	-29	0	40
	7/22/2026	1126		x	T - 313	766		x		x	x	x	x	x	-29	0	41
	7/22/2026	1130		x	T - 314	662		x		x	x	x	x	x	-29	0	42

Sampler: CES CHMIDT	Date/Time: 7/24/26 1000	Relinquished by: CES SCHMIDT	Date/Time: 7/24/26 1200
Recieved by: Vina Brillantes EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

000242 of 000978

CE Schmidt, Ph.D., Environmental Consultant

Chain of Custody Record

Form Serial Number **CES F1-02106**	For Information Regarding These Samples Please Contact:
Client Name ***SCS*** ***Chiquita Canyon Landfill***	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 E-Mail: SCHMIDTCE@aol.com
Project Manager ***Pat Sullivan***	
Requested Completion Date	

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401

Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (fList on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/23/2026	859		x	T - 401	643 740	1		x		x	x	x	x	x	-29	0	43
	7/23/2026	900		x	T - 402		1		x		x	x	x	x	x	-29	0	44
	7/23/2026	904		x	T - 403	699	1		x		x	x	x	x	x	-29	0	45
	7/23/2026	908		x	T - 404	618	1		x		x	x	x	x	x	-29	0	46
	7/23/2026	959		x	T - 405	849	1		x		x	x	x	x	x	-29	0	47
	7/23/2026	1002		x	T - 406	506	1		x		x	x	x	x	x	-29	0	48
	7/23/2026	1007		x	T - 407	823 789	1		x		x	x	x	x	x	-29	0	49
	7/23/2026	1011		x	T - 408		1		x		x	x	x	x	x	-29	0	50
	7/23/2026	1110		x	T - 409	732	1		x		x	x	x	x	x	-29	0	51
	7/23/2026	1109		x	T - 410	709	1		x		x	x	x	x	x	-29	0	52
	7/23/2026	1107		x	T - 411	750	1		x		x	x	x	x	x	-29	0	53
	7/23/2026	1108		x	T - 412	403	1		x		x	x	x	x	x	-29	0	54
	7/23/2026	1119		x	T - 413	695	1		x		x	x	x	x	x	-29	0	55
	7/23/2026	1140		x	T - 414	738	1		x		x	x	x	x	x	-29	0	56

Sampler: CES SCHMIDT	Date/Time: 7/24/26 1200	Relinquished by: CES SCHMIDT	Date/Time: 7/24/26 1200
Recieved by: Anna Gevorkyan	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D4

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name: *SCS* / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080
Requested Completion Date	530-529-4256
	E-Mail: SCHMIDTCE@aol.com

Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*

Laboratory Name: *EAS*

Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*

Laboratory Phone: *805-781-3585*

Laboratory Contact: *Dr. Steve Hoyt* *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/24/2026	922		x	T - 501	895	1		x		x	x	x	x	x	-29	0	57
	7/24/2026	922		x	T - 502	728	1		x		x	x	x	x	x	-29	0	58
	7/24/2026	929		x	T - 503	858	1		x		x	x	x	x	x	-29	0	59
	7/24/2026	921		x	T - 504	556	1		x		x	x	x	x	x	-29	0	60
	7/24/2026	1036		x	T - 505	621	1		x		x	x	x	x	x	-29	0	61
	7/24/2026	1031		x	T - 506	760	1		x		x	x	x	x	x	-29	0	62
	7/24/2026	1037		x	T - 507	696	1		x		x	x	x	x	x	-29	0	63
	7/24/2026	1033		x	T - 508	768	1		x		x	x	x	x	x	-29	0	64
	7/24/2026	1144		x	T - 509	857	1		x		x	x	x	x	x	-29	0	65
	7/24/2026	1144		x	T - 510	642	1		x		x	x	x	x	x	-29	0	66
	7/24/2026	1140		x	T - 511	726	1		x		x	x	x	x	x	-29	0	67
	7/24/2026	1144		x	T - 512	807	1		x		x	x	x	x	x	-29	0	68
	7/24/2026	1148		x	T - 513	892	1		x		x	x	x	x	x	-29	0	69
	7/24/2026	1105		x	T - 514	775	1		x		x	x	x	x	x	-29	0	70

Sampler: CB Schmidt	Date/Time: 7/24/26 1200	Relinquished by: CB Schmidt	Date/Time: 7/24/26 1200
Recieved by: Una Gilmore EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

Remarks

CE Schmidt, PhD, Environmental Consultant 261701 **Sulfur D1**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS		Client Address and Phone Number	Laboratory Name
CES F1-02106				***3900 Kilroy Airport Way, Suite 100***	***Atmospheric Analysis and Consulting***
Client Name				***Long Beach, CA 90806 562-743-7895***	Laboratory Address
SCS	**Dr. Charles E. Schmidt**			Analysis Requested	***2225 Sperry Avenue***
Chiquita Canyon Landfill	19200 Live Oak Road, Red Bluff, CA 96080				***Ventura, CA 93003***
Project Manager	530-529-4256				Laboratory Phone
Pat Sullivan	SCHMIDTCE@aol.com				***805-650-1642***
Requested Completion Date					Laboratory Contact
					John Yokoyama
					jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
	7/20/2026	1002		x	S- 101 a/b 92450 92451	2	X			X		
	7/20/2026	1003		x	S- 102 a/b 92452 92453	2	X			X		
	7/20/2026	1001		x	S- 103 a/b 92454 92455	2	X			X		
	7/20/2026	957		x	S- 104 a/b 92456 92457	2	X			X		
	7/20/2026	1059		x	S- 105 a/b 92458 92459	2	X			X		
	7/20/2026	1058		x	S- 106 a/b 92460 92461	2	X			X		
	7/20/2026	1159		x	S- 107 a/b 92462 92463	2	X			X		
	7/20/2026	1256		x	S- 108 a/b 92464 92465	2	X			X		
	7/20/2026	1212		x	S- 109 a/b 92466 92467	2	X			X		
	7/20/2026	1203		x	S- 110 a/b 92468 92469	2	X			X		
	7/20/2026	1200		x	S- 111 a/b 92470 92471	2	X			X		
	7/20/2026	1215		x	S- 112 a/b 92472 92473	2	X			X		
	7/20/2026	1213		x	S- 113 a/b 92474 92475	2	X			X		
	7/20/2026	1249		x	S- 114 a/b 92476 92477	2	X			X		

Sampler	Date/Time	Relinquished by	Date/Time	Laboratory: HAZWRAP/NEESA Y N
C E Schmidt	7/20/26 1200	C E Schmidt	7/20/26	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC / Ice
Raymond Tan	7/20/26 1303		7/20/26	Ana Req / Temp ***AMB***
Recieved by	Date/Time	Relinquished by	Date/Time	Cust Seal / pH
	7/20/26 1355			Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Hand Other		Air Bill No.

Remarks

File: Sulfur Forms.xlsb Form: Sulfur COC D1

261721

CE Schmidt, PhD, Environmental Consultant — **Sulfur D2**

Chain of Custody Record

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CE Schmidt, PhD, Environmental Consultant 261732 **Sulfur D3**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS				Client Address and Phone Number	Laboratory Name
CES F1-02106						***3900 Kilroy Airport Way, Suite 100***	***Atmospheric Analysis and Consulting***
Client Name	**Dr. Charles E. Schmidt**					***Long Beach, CA 90806 562-743-7895***	Laboratory Address
SCS	19200 Live Oak Road, Red Bluff, CA 96080					Analysis Requested	***2225 Sperry Avenue***
Chiquita Canyon Landfill	530-529-4256						***Ventura, CA 93003***
Project Manager	SCHMIDTCE@aol.com						Laboratory Phone
Pat Sullivan							***805-650-1642***
Requested Completion Date							Laboratory Contact
							John Yokoyama
							jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
	7/22/2026	822		x	S- 301 a/b 92633 92634	2	X			X		
	7/22/2026	826		x	S- 302 a/b 92635 92636	2	X			X		
	7/22/2026	831		x	S- 303 a/b 92637 92638	2	X			X		
	7/22/2026	834		x	S- 304 a/b 92639 92640	2	X			X		
	7/22/2026	837		x	S- 305 a/b 92641 92642	2	X			X		
	7/22/2026	959		x	S- 306 a/b 92643 92644	2	X			X		
	7/22/2026	959		x	S- 307 a/b 92645 92646	2	X			X		
	7/22/2026	953		x	S- 308 a/b 92647 92648	2	X			X		
	7/22/2026	1116		x	S- 309 a/b 92649 92650	2	X			X		
	7/22/2026	1121		x	S- 310 a/b 92651 92652	2	X			X		
	7/22/2026	1114		x	S- 311 a/b 92653 92654	2	X			X		
	7/22/2026	1115		x	S- 312 a/b 92655 92656	2	X			X		
	7/22/2026	1119		x	S- 313 a/b 92657 92658	2	X			X		
	7/22/2026	1147		x	S- 314 a/b 92659 92660	2	X			X		

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
CE Schmidt	7/22/26 1200	CE Schmidt	7/22/26 1200	QC Level 1 2 3
Recieved by: AAC	Date/Time 7/22/26 1230	Relinquished by	Date/Time 7/22/26 1320	COC / Ice
Recieved by	Date/Time	Relinquished by	Date/Time	Ana Req / Temp ***AMB***
Recieved by Laboratory	Date/Time 7/22/26 1320	Sample Shipped Via: UPS FEDEX BUS Hand Other	Air Bill No.	Cust Seal / pH
Remarks				Sample Condition

File: Sulfur Forms.xlsb Form: Sulfur COC D3

261740

CE Schmidt, PhD, Environmental Consultant — **Sulfur D4**

Chain of Custody Record

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261749

CE Schmidt, PhD, Environmental Consultant — **Sulfur D5**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	Client Address and Phone Number	Laboratory Name
CES F1-02106	**Dr. Charles E. Schmidt**	*3900 Kilroy Airport Way, Suite 100*	*Atmospheric Analysis and Consulting*
Client Name	19200 Live Oak Road, Red Bluff, CA 96080	*Long Beach, CA 90806 562-743-7895*	Laboratory Address
SCS	530-529-4256		*2225 Sperry Avenue*
Chiquita Canyon Landfill	SCHMIDTCE@aol.com		*Ventura, CA 93003*
Project Manager			Laboratory Phone
Pat Sullivan			*805-650-1642*
Requested Completion Date			Laboratory Contact
			John Yokoyama
			jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	Analysis Requested: SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
	7/24/2026	959		x	S- 501 a/b 92789 92790	2	X			X		
	7/24/2026	921		x	S- 502 a/b 92791 92792	2	X			X		
	7/24/2026	925		x	S- 503 a/b 92793 92794	2	X			X		
	7/24/2026	930		x	S- 504 a/b 92795 92796	2	X			X		
	7/24/2026	1033		x	S- 505 a/b 92797 92798	2	X			X		
	7/24/2026	1030		x	S- 506 a/b 92799 92800	2	X			X		
	7/24/2026	1036		x	S- 507 a/b 92801 92802	2	X			X		
	7/24/2026	1032		x	S- 508 a/b 92803 92804	2	X			X		
	7/24/2026	1146		x	S- 509 a/b 92805 92806	2	X			X		
	7/24/2026	1140		x	S- 510 a/b 92807 92808	2	X			X		
	7/24/2026	1138		x	S- 511 a/b 92809 92810	2	X			X		
	7/24/2026	1147		x	S- 512 a/b 92811 92812	2	X			X		
	7/24/2026	1142		x	S- 513 a/b 92813 92814	2	X			X		
	7/24/2026	1207		x	S- 514 a/b 92815 92816	2	X			X		

Sampler: CE SCHMIDT	Date/Time: 7/24/26 1200	Relinquished by: CE SCHMIDT	Date/Time: 7/24/26 1200	HAZWRAP/NEESA Y N	
Recieved by: MC	Date/Time	Relinquished by	Date/Time	QC Level 1 2 3	
Recieved by	Date/Time	Relinquished by	Date/Time	COC	Ice
				Ana Req	Temp *AMB*
Recieved by Laboratory	Date/Time: 7/24/26 1332	Sample Shipped Via: UPS FEDEX BUS Hand Other	Air Bill No.	Cust Seal	pH
				Sample Condition	
Remarks					

File: SulfurForms.xlsb Form: Sulfur COC D5

CE Schmidt, Ph.D.
Environmental Consultant
Confidential Attorney Client Privileged Communication and Attorney Work Product

ATTACHMENT C

LABORATORY REPORTS

19200 Live Oak Road Red Bluff, CA 96080 (530) 529-4256 Fax- 4878

Atmospheric Analysis & Consulting, Inc

CLIENT	: Environmental Management Consulting
PROJECT NAME	: SCS Chiquita Canyon Landfill
PROJECT NUMBER	: CES F1-02106
AAC PROJECT NO.	: 261701
REPORT DATE	: 07/29/2026

On July 20th 2026, Atmospheric Analysis & Consulting, Inc. received twenty eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	AAC ID	Client ID	AAC ID
S-101a	261701-92450	S-108a	261701-92464
S-101b	261701-92451	S-108b	261701-92465
S-102a	261701-92452	S-109a	261701-92466
S-102b	261701-92453	S-109b	261701-92467
S-103a	261701-92454	S-110a	261701-92468
S-103b	261701-92455	S-110b	261701-92469
S-104a	261701-92456	S-111a	261701-92470
S-104b	261701-92457	S-111b	261701-92471
S-105a	261701-92458	S-112a	261701-92472
S-105b	261701-92459	S-112b	261701-92473
S-106a	261701-92460	S-113a	261701-92474
S-106b	261701-92461	S-113b	261701-92475
S-107a	261701-92462	S-114a	261701-92476
S-107b	261701-92463	S-114b	261701-92477

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Per client request, samples "S-1xx-b" were held as backup and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 9 pages.

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261701
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/20/2026
RECEIVING DATE : 07/20/2026
ANALYSIS DATE : 07/20/2026
REPORT DATE : 07/29/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-101a	S-102a	S-103a	S-104a	S-105a
AAC ID	261701-92450	261701-92452	261701-92454	261701-92456	261701-92458
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.010**	**0.005**	**0.013**	**0.006**	**0.009**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.010**	**0.005**	**0.013**	**0.006**	**0.009**

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261701
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/20/2026
RECEIVING DATE : 07/20/2026
ANALYSIS DATE : 07/20/2026
REPORT DATE : 07/29/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-106a	S-107a	S-108a	S-109a	S-110a
AAC ID	261701-92460	261701-92462	261701-92464	261701-92466	261701-92468
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.008**	**0.008**	**0.010**	**0.028**	**0.012**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.008**	**0.008**	**0.010**	**0.028**	**0.012**

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261701
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/20/2026
RECEIVING DATE : 07/20/2026
ANALYSIS DATE : 07/21/2026
REPORT DATE : 07/29/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-111a	S-112a	S-113a	S-114a
AAC ID	261701-92470	261701-92472	261701-92474	261701-92476
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.009**	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.009**	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/20/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3495	0.511	101.9	0.1
Duplicate	3419	0.500	99.7	2.3
Triplicate	3582	0.523	104.4	2.4

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3414	0.500	97.4	0.3
Duplicate	3359	0.492	95.8	1.3
Triplicate	3438	0.503	98.1	1.0

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3766	0.517	99.1	1.1
Duplicate	3617	0.497	95.1	2.9
Triplicate	3789	0.520	99.7	1.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261486-91451**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261486-91451 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.270	0.258	107.7	102.9	4.5
MeSH	<PQL	0.257	0.247	0.252	96.2	98.2	2.0
DMS	<PQL	0.261	0.250	0.251	95.7	96.1	0.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.519	103.5
MeSH	0.513	0.485	94.5
DMS	0.522	0.501	95.9

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/20/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11452	485	96.7	0.6
Duplicate	11406	483	96.3	0.9
Triplicate	11688	495	98.7	1.5

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11225	498	97.0	0.8
Duplicate	11043	490	95.4	2.4
Triplicate	11671	517	100.8	3.2

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12088	511	97.8	2.3
Duplicate	12280	519	99.3	0.7
Triplicate	12740	538	103.0	3.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261486-91451**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261486-91451 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	254.4	242.8	101.5	96.9	4.7
MeSH	<PQL	256.6	254.6	261.2	99.2	101.8	2.6
DMS	<PQL	261.1	272.6	275.4	104.4	105.5	1.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	471.8	94.1
MeSH	513.3	470.9	91.7
DMS	522.3	479.3	91.8

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/21/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3600	0.526	104.9	0.1
Duplicate	3596	0.525	104.8	0.0
Triplicate	3594	0.525	104.8	0.1

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3597	0.527	102.6	0.3
Duplicate	3627	0.531	103.5	1.1
Triplicate	3540	0.518	101.0	1.3

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3796	0.521	99.8	2.4
Duplicate	3977	0.546	104.6	2.3
Triplicate	3894	0.535	102.4	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 261701-92476

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID** 261701-92476 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.272	0.274	108.5	109.3	0.7
MeSH	<PQL	0.257	0.260	0.278	101.3	108.3	6.7
DMS	<PQL	0.261	0.262	0.278	100.3	106.5	5.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.533	106.3
MeSH	0.513	0.508	99.0
DMS	0.522	0.514	98.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/21/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11973	507	101.1	2.1
Duplicate	11722	496	99.0	0.0
Triplicate	11475	486	96.9	2.1

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11624	515	100.4	1.4
Duplicate	11384	505	98.3	0.7
Triplicate	11383	505	98.3	0.7

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12968	548	104.9	2.7
Duplicate	12481	527	100.9	1.2
Triplicate	12445	526	100.7	1.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261701-92474**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261701-92474 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	248.1	249.8	99.0	99.7	0.7
MeSH	<PQL	256.6	247.1	268.3	96.3	104.6	8.2
DMS	<PQL	261.1	256.7	256.8	98.3	98.3	0.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	512.3	102.2
MeSH	513.3	495.4	96.5
DMS	522.3	504.0	96.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

261701

CE Schmidt, PhD, Environmental Consultant — **Sulfur D1**

Chain of Custody Record

| | | |

Atmospheric Analysis & Consulting, Inc.

CLIENT	: Environmental Management Consulting
PROJECT NAME	: SCS Chiquita Canyon Landfill
PROJECT NUMBER	: CES F1-02106
AAC PROJECT NO.	: 261721
REPORT DATE	: 07/29/2026

On July 21st 2026, Atmospheric Analysis & Consulting, Inc. received twenty eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	AAC ID	Client ID	AAC ID
S-201a	261721-92532	S-208a	261721-92546
S-201b	261721-92533	S-208b	261721-92547
S-202a	261721-92534	S-209a	261721-92548
S-202b	261721-92535	S-209b	261721-92549
S-203a	261721-92536	S-210a	261721-92550
S-203b	261721-92537	S-210b	261721-92551
S-204a	261721-92538	S-211a	261721-92552
S-204b	261721-92539	S-211b	261721-92553
S-205a	261721-92540	S-212a	261721-92554
S-205b	261721-92541	S-212b	261721-92555
S-206a	261721-92542	S-213a	261721-92556
S-206b	261721-92543	S-213b	261721-92557
S-207a	261721-92544	S-214a	261721-92558
S-207b	261721-92545	S-214b	261721-92559

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Per client request, samples "S-2xx-b" were held as backup and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 9 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261721
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/21/2026
RECEIVING DATE : 07/21/2026
ANALYSIS DATE : 07/21/2026
REPORT DATE : 07/29/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-201a	S-202a	S-203a	S-204a	S-205a
AAC ID	261721-92532	261721-92534	261721-92536	261721-92538	261721-92540
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	**0.007**	**8.16**	**0.006**
COS / SO2	< 0.005	< 0.005	< 0.005	**0.105**	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	**0.027**	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	**0.023**	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	**0.005**	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	**0.035**	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	**1.18**	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	**0.018**	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	**0.021**	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	**1.19**	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	**0.082**	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	**0.026**	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	**0.089**	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	**0.006**	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	**0.008**	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	**0.027**	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	**0.065**	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	**0.007**	**11.0**	**0.006**

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261721
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/21/2026
RECEIVING DATE : 07/21/2026
ANALYSIS DATE : 07/21-22/2026
REPORT DATE : 07/29/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-206a	S-207a	S-208a	S-209a	S-210a
AAC ID	261721-92542	261721-92544	261721-92546	261721-92548	261721-92550
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.007**	< 0.005	**0.007**	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	**0.005**	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	**0.016**	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	**0.008**	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	**0.025**	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	**0.006**	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	**0.008**	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	**0.048**	< 0.005	< 0.005
Total Reduced Sulfurs	**0.007**	< 0.005	**0.118**	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261721
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/21/2026
RECEIVING DATE : 07/21/2026
ANALYSIS DATE : 07/22/2026
REPORT DATE : 07/29/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-211a	S-212a	S-213a	S-214a
AAC ID	261721-92552	261721-92554	261721-92556	261721-92558
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	**0.005**	**0.006**	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.005**	**0.006**	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/21/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11973	507	101.1	2.1
Duplicate	11722	496	99.0	0.0
Triplicate	11475	486	96.9	2.1

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11624	515	100.4	1.4
Duplicate	11384	505	98.3	0.7
Triplicate	11383	505	98.3	0.7

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12968	548	104.9	2.7
Duplicate	12481	527	100.9	1.2
Triplicate	12445	526	100.7	1.5

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261701-92474**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261701-92474 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	248.1	249.8	99.0	99.7	0.7
MeSH	<PQL	256.6	247.1	268.3	96.3	104.6	8.2
DMS	<PQL	261.1	256.7	256.8	98.3	98.3	0.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	512.3	102.2
MeSH	513.3	495.4	96.5
DMS	522.3	504.0	96.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/21/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3600	0.526	104.9	0.1
Duplicate	3596	0.525	104.8	0.0
Triplicate	3594	0.525	104.8	0.1

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3597	0.527	102.6	0.3
Duplicate	3627	0.531	103.5	1.1
Triplicate	3540	0.518	101.0	1.3

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3796	0.521	99.8	2.4
Duplicate	3977	0.546	104.6	2.3
Triplicate	3894	0.535	102.4	0.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261701-92476**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261701-92476 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.272	0.274	108.5	109.3	0.7
MeSH	<PQL	0.257	0.260	0.278	101.3	108.3	6.7
DMS	<PQL	0.261	0.262	0.278	100.3	106.5	5.9

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.533	106.3
MeSH	0.513	0.508	99.0
DMS	0.522	0.514	98.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/22/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3596	0.525	104.8	1.0
Duplicate	3602	0.526	105.0	1.1
Triplicate	3488	0.510	101.7	2.1

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3535	0.518	100.8	2.3
Duplicate	3451	0.505	98.5	0.1
Triplicate	3383	0.495	96.5	2.1

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3753	0.516	98.7	0.8
Duplicate	3877	0.533	102.0	2.5
Triplicate	3717	0.511	97.8	1.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261721-92558**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261721-92558 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.274	0.274	109.3	109.3	0.0
MeSH	<PQL	0.257	0.268	0.270	104.4	105.2	0.7
DMS	<PQL	0.261	0.262	0.271	100.3	103.8	3.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.514	102.5
MeSH	0.513	0.532	103.7
DMS	0.522	0.559	107.0

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/22/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11956	506	100.9	2.9
Duplicate	11426	484	96.5	1.7
Triplicate	11476	486	96.9	1.2

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11632	516	100.5	2.6
Duplicate	11275	500	97.4	0.5
Triplicate	11090	492	95.8	2.1

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12933	546	104.6	4.6
Duplicate	12071	510	97.6	2.4
Triplicate	12106	511	97.9	2.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261721-92556**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261721-92556 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	259.6	249.5	103.6	99.5	4.0
MeSH	<PQL	256.6	261.0	255.9	101.7	99.7	2.0
DMS	<PQL	261.1	275.2	263.6	105.4	100.9	4.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	482.8	96.3
MeSH	513.3	508.1	99.0
DMS	522.3	519.5	99.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

261721

CE Schmidt, PhD, Environmental Consultant — **Sulfur D2**

Chain of Custody Record

| | | |

Atmospheric Analysis & Consulting, Inc.

CLIENT	:	Environmental Management Consulting
PROJECT NAME	:	SCS Chiquita Canyon Landfill
PROJECT NUMBER	:	CES F1-02106
AAC PROJECT NO.	:	261732
REPORT DATE	:	07/30/2026

On July 22nd 2026, Atmospheric Analysis & Consulting, Inc. received twenty eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	AAC ID	Client ID	AAC ID
S-301a	261732-92633	S-308a	261732-92647
S-301b	261732-92634	S-308b	261732-92648
S-302a	261732-92635	S-309a	261732-92649
S-302b	261732-92636	S-309b	261732-92650
S-303a	261732-92637	S-310a	261732-92651
S-303b	261732-92638	S-310b	261732-92652
S-304a	261732-92639	S-311a	261732-92653
S-304b	261732-92640	S-311b	261732-92654
S-305a	261732-92641	S-312a	261732-92655
S-305b	261732-92642	S-312b	261732-92656
S-306a	261732-92643	S-313a	261732-92657
S-306b	261732-92644	S-313b	261732-92658
S-307a	261732-92645	S-314a	261732-92659
S-307b	261732-92646	S-314b	261732-92660

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Per client request, samples "S-3xx-b" were held as backup and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 9 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261732
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2026
RECEIVING DATE : 07/22/2026
ANALYSIS DATE : 07/22/2026
REPORT DATE : 07/30/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-301a	S-302a	S-303a	S-304a	S-305a
AAC ID	261732-92633	261732-92635	261732-92637	261732-92639	261732-92641
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	**0.006**	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	**0.006**	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261732
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2026
RECEIVING DATE : 07/22/2026
ANALYSIS DATE : 07/22/2026
REPORT DATE : 07/30/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-306a	S-307a	S-308a	S-309a	S-310a
AAC ID	261732-92643	261732-92645	261732-92647	261732-92649	261732-92651
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.007**	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.007**	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261732
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/22/2026
RECEIVING DATE : 07/22/2026
ANALYSIS DATE : 07/23/2026
REPORT DATE : 07/30/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-311a	S-312a	S-313a	S-314a
AAC ID	261732-92653	261732-92655	261732-92657	261732-92659
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/22/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11956	506	100.9	2.9
Duplicate	11426	484	96.5	1.7
Triplicate	11476	486	96.9	1.2

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11632	516	100.5	2.6
Duplicate	11275	500	97.4	0.5
Triplicate	11090	492	95.8	2.1

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12933	546	104.6	4.6
Duplicate	12071	510	97.6	2.4
Triplicate	12106	511	97.9	2.1

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261721-92556**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261721-92556 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	259.6	249.5	103.6	99.5	4.0
MeSH	<PQL	256.6	261.0	255.9	101.7	99.7	2.0
DMS	<PQL	261.1	275.2	263.6	105.4	100.9	4.3

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	482.8	96.3
MeSH	513.3	508.1	99.0
DMS	522.3	519.5	99.5

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/22/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3596	0.525	104.8	1.0
Duplicate	3602	0.526	105.0	1.1
Triplicate	3488	0.510	101.7	2.1

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3535	0.518	100.8	2.3
Duplicate	3451	0.505	98.5	0.1
Triplicate	3383	0.495	96.5	2.1

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3753	0.516	98.7	0.8
Duplicate	3877	0.533	102.0	2.5
Triplicate	3717	0.511	97.8	1.7

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261721-92558**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261721-92558 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.274	0.274	109.3	109.3	0.0
MeSH	<PQL	0.257	0.268	0.270	104.4	105.2	0.7
DMS	<PQL	0.261	0.262	0.271	100.3	103.8	3.4

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.514	102.5
MeSH	0.513	0.532	103.7
DMS	0.522	0.559	107.0

Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, * Must be < 5% RPD from Mean result.***

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/23/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11953	506	100.9	0.7
Duplicate	11786	499	99.5	0.7
Triplicate	11871	502	100.2	0.0

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11696	519	101.0	0.4
Duplicate	11627	515	100.4	1.0
Triplicate	11906	528	102.8	1.4

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12761	539	103.2	0.1
Duplicate	12574	531	101.7	1.3
Triplicate	12900	545	104.3	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261732-92657**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261732-92657 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	274.0	260.8	109.3	104.1	5.0
MeSH	<PQL	256.6	282.1	277.0	109.9	107.9	1.8
DMS	<PQL	261.1	283.5	282.1	108.6	108.0	0.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	467.9	93.3
MeSH	513.3	473.4	92.2
DMS	522.3	495.8	94.9

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/23/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3582	0.523	104.4	0.3
Duplicate	3546	0.518	103.4	0.7
Triplicate	3588	0.524	104.6	0.5

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3538	0.518	100.9	1.6
Duplicate	3341	0.489	95.3	4.0
Triplicate	3565	0.522	101.7	2.4

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3962	0.544	104.2	2.5
Duplicate	3732	0.513	98.2	3.5
Triplicate	3904	0.536	102.7	1.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261732-92659**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261732-92659 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.275	0.274	109.7	109.3	0.4
MeSH	<PQL	0.257	0.263	0.263	102.5	102.5	0.0
DMS	<PQL	0.261	0.272	0.264	104.2	101.1	3.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.513	102.3
MeSH	0.513	0.491	95.7
DMS	0.522	0.489	93.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

CE Schmidt, PhD, Environmental Consultant 261732 **Sulfur D3**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS				Client Address and Phone Number		Laboratory Name
CES F1-02106						***3900 Kilroy Airport Way, Suite 100***		***Atmospheric Analysis and Consulting***
Client Name	**Dr. Charles E. Schmidt**					***Long Beach, CA 90806 562-743-7895***		Laboratory Address
SCS	19200 Live Oak Road, Red Bluff, CA 96080					Analysis Requested		***2225 Sperry Avenue***
Chiquita Canyon Landfill	530-529-4256							***Ventura, CA 93003***
Project Manager	SCHMIDTCE@aol.com							Laboratory Phone
Pat Sullivan								***805-650-1642***
Requested Completion Date								Laboratory Contact
								John Yokoyama
								jgyokoyama@aaclab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	# OF CONTAINERS	Sample Container: Bag	Can	Tube	SCAQMD Method 307-91	Field H2S (ppmv)	Remarks
	7/22/2026	822		x	S- 301 a/b 92633 92634	2	X			X		
	7/22/2026	826		x	S- 302 a/b 92635 92636	2	X			X		
	7/22/2026	831		x	S- 303 a/b 92637 92638	2	X			X		
	7/22/2026	834		x	S- 304 a/b 92639 92640	2	X			X		
	7/22/2026	841		x	S- 305 a/b 92641 92642	2	X			X		
	7/22/2026	959		x	S- 306 a/b 92643 92644	2	X			X		
	7/22/2026	959		x	S- 307 a/b 92645 92646	2	X			X		
	7/22/2026	953		x	S- 308 a/b 92647 92648	2	X			X		
	7/22/2026	1116		x	S- 309 a/b 92649 92650	2	X			X		
	7/22/2026	1121		x	S- 310 a/b 92651 92652	2	X			X		
	7/22/2026	1114		x	S- 311 a/b 92653 92654	2	X			X		
	7/22/2026	1115		x	S- 312 a/b 92655 92656	2	X			X		
	7/22/2026	1119		x	S- 313 a/b 92657 92658	2	X			X		
	7/22/2026	1147		x	S- 314 a/b 92659 92660	2	X			X		

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
CE Schmidt	7/22/26 1200	CE Schmidt	7/22/26 1200	QC Level 1 2 3
Recieved by: AAC	Date/Time 7/22/26 1230	Relinquished by	Date/Time 7/22/26 1330	COC / Ice
Recieved by	Date/Time	Relinquished by	Date/Time	Ana Req / Temp ***AMB***
Recieved by Laboratory	Date/Time 7/22/26 1320	Sample Shipped Via UPS FEDEX BUS Hand Other	Air Bill No.	Cust Seal / pH
Remarks				Sample Condition

File: Sulfur Forms.xlsb Form: Sulfur COC D3

Atmospheric Analysis & Consulting, Inc.

CLIENT	: Environmental Management Consulting
PROJECT NAME	: SCS Chiquita Canyon Landfill
PROJECT NUMBER	: CES F1-02106
AAC PROJECT NO.	: 261740
REPORT DATE	: 07/31/2026

On July 23rd 2026, Atmospheric Analysis & Consulting, Inc. received twenty eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	AAC ID	Client ID	AAC ID
S-401a	261740-92689	S-408a	261740-92703
S-401b	261740-92690	S-408b	261740-92704
S-402a	261740-92691	S-409a	261740-92705
S-402b	261740-92692	S-409b	261740-92706
S-403a	261740-92693	S-410a	261740-92707
S-403b	261740-92694	S-410b	261740-92708
S-404a	261740-92695	S-411a	261740-92709
S-404b	261740-92696	S-411b	261740-92710
S-405a	261740-92697	S-412a	261740-92711
S-405b	261740-92698	S-412b	261740-92712
S-406a	261740-92699	S-413a	261740-92713
S-406b	261740-92700	S-413b	261740-92714
S-407a	261740-92701	S-414a	261740-92715
S-407b	261740-92702	S-414b	261740-92716

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Per client request, samples "S-4xx-b" were held as backup and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 9 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261740
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/23/2026
RECEIVING DATE : 07/23/2026
ANALYSIS DATE : 07/23/2026
REPORT DATE : 07/31/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-401a	S-402a	S-403a	S-404a	S-405a
AAC ID	261740-92689	261740-92691	261740-92693	261740-92695	261740-92697
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261740
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/23/2026
RECEIVING DATE : 07/23/2026
ANALYSIS DATE : 07/23/2026
REPORT DATE : 07/31/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-406a	S-407a	S-408a	S-409a	S-410a
AAC ID	261740-92699	261740-92701	261740-92703	261740-92705	261740-92707
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261740
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/23/2026
RECEIVING DATE : 07/23/2026
ANALYSIS DATE : 07/24/2026
REPORT DATE : 07/31/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-411a	S-412a	S-413a	S-414a
AAC ID	261740-92709	261740-92711	261740-92713	261740-92715
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/23/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11953	506	100.9	0.7
Duplicate	11786	499	99.5	0.7
Triplicate	11871	502	100.2	0.0

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11696	519	101.0	0.4
Duplicate	11627	515	100.4	1.0
Triplicate	11906	528	102.8	1.4

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12761	539	103.2	0.1
Duplicate	12574	531	101.7	1.3
Triplicate	12900	545	104.3	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261732-92657**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261732-92657 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	274.0	260.8	109.3	104.1	5.0
MeSH	<PQL	256.6	282.1	277.0	109.9	107.9	1.8
DMS	<PQL	261.1	283.5	282.1	108.6	108.0	0.5

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	467.9	93.3
MeSH	513.3	473.4	92.2
DMS	522.3	495.8	94.9

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/23/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3582	0.523	104.4	0.3
Duplicate	3546	0.518	103.4	0.7
Triplicate	3588	0.524	104.6	0.5

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3538	0.518	100.9	1.6
Duplicate	3341	0.489	95.3	4.0
Triplicate	3565	0.522	101.7	2.4

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3962	0.544	104.2	2.5
Duplicate	3732	0.513	98.2	3.5
Triplicate	3904	0.536	102.7	1.0

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261732-92659**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261732-92659 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.275	0.274	109.7	109.3	0.4
MeSH	<PQL	0.257	0.263	0.263	102.5	102.5	0.0
DMS	<PQL	0.261	0.272	0.264	104.2	101.1	3.0

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.513	102.3
MeSH	0.513	0.491	95.7
DMS	0.522	0.489	93.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/24/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11644	493	98.3	0.4
Duplicate	11921	504	100.6	2.0
Triplicate	11514	487	97.2	1.5

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11694	518	101.0	0.6
Duplicate	11892	527	102.7	2.3
Triplicate	11294	501	97.6	2.9

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12563	531	101.6	0.5
Duplicate	12836	542	103.8	1.7
Triplicate	12472	527	100.9	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID** 261721-92556

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID** 261721-92556 x2

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	243.9	233.2	97.3	93.0	4.5
MeSH	<PQL	256.6	236.5	243.4	92.1	94.8	2.9
DMS	<PQL	261.1	238.6	238.5	91.4	91.3	0.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	468.2	93.4
MeSH	513.3	465.4	90.7
DMS	522.3	477.4	91.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/24/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3318	0.485	96.7	2.9
Duplicate	3481	0.509	101.5	1.8
Triplicate	3456	0.505	100.7	1.1

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3337	0.489	95.2	3.0
Duplicate	3478	0.509	99.2	1.1
Triplicate	3503	0.513	99.9	1.9

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3736	0.513	98.3	2.5
Duplicate	3820	0.525	100.5	0.3
Triplicate	3941	0.541	103.7	2.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261721-92558**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261721-92558 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.253	0.257	100.9	102.5	1.6
MeSH	<PQL	0.257	0.233	0.254	90.8	99.0	8.6
DMS	<PQL	0.261	0.242	0.261	92.7	100.0	7.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.502	100.1
MeSH	0.513	0.470	91.6
DMS	0.522	0.473	90.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

261740

CE Schmidt, PhD, Environmental Consultant — **Sulfur D4**

Chain of Custody Record

| | | |

Atmospheric Analysis & Consulting, Inc.

CLIENT	: Environmental Management Consulting
PROJECT NAME	: SCS Chiquita Canyon Landfill
PROJECT NUMBER	: CES F1-02106
AAC PROJECT NO.	: 261749
REPORT DATE	: 08/03/2026

On July 24th 2026, Atmospheric Analysis & Consulting, Inc. received twenty eight (28) Tedlar Bags for Total Reduced Sulfur analysis by SCAQMD 307.91. Upon receipt, the samples were assigned unique Laboratory ID numbers as follows:

Client ID	AAC ID	Client ID	AAC ID
S-501a	261749-92789	S-508a	261749-92803
S-501b	261749-92790	S-508b	261749-92804
S-502a	261749-92791	S-509a	261749-92805
S-502b	261749-92792	S-509b	261749-92806
S-503a	261749-92793	S-510a	261749-92807
S-503b	261749-92794	S-510b	261749-92808
S-504a	261749-92795	S-511a	261749-92809
S-504b	261749-92796	S-511b	261749-92810
S-505a	261749-92797	S-512a	261749-92811
S-505b	261749-92798	S-512b	261749-92812
S-506a	261749-92799	S-513a	261749-92813
S-506b	261749-92800	S-513b	261749-92814
S-507a	261749-92801	S-514a	261749-92815
S-507b	261749-92802	S-514b	261749-92816

This analysis is performed in accordance with AAC's Quality Manual. Test results apply to the sample(s) as received. For detailed information pertaining to specific EPA, NCASI, ASTM and SCAQMD accreditations (Methods & Analytes), please visit our website at www.aaclab.com.

I certify that this data is technically accurate, complete, and in compliance with the terms and conditions of the contract. Per client request, samples "S-5xx-b" were held as backup and therefore not analyzed. No problems were encountered during receiving, preparation, and/or analysis of these samples. The Technical Director or his/her designee, as verified by the following signature, has authorized release of the data.

If you have any questions or require further explanation of data results, please contact the undersigned.

Sucha Parmar, Ph.D.
Technical Director

This report consists of 7 pages.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261749
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/24/2026
RECEIVING DATE : 07/24/2026
ANALYSIS DATE : 07/24/2026
REPORT DATE : 08/03/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-501a	S-502a	S-503a	S-504a	S-505a
AAC ID	261749-92789	261749-92791	261749-92793	261749-92795	261749-92797
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	**0.007**
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005	**0.007**

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261749
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/24/2026
RECEIVING DATE : 07/24/2026
ANALYSIS DATE : 07/24/2026
REPORT DATE : 08/03/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-506a	S-507a	S-508a	S-509a	S-510a
AAC ID	261749-92799	261749-92801	261749-92803	261749-92805	261749-92807
Analyte	Result	Result	Result	Result	Result
Hydrogen Sulfide	**0.007**	**0.011**	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	**0.007**	**0.011**	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc

LABORATORY ANALYSIS REPORT

CLIENT : Environmental Management Consulting
PROJECT NO. : 261749
MATRIX : AIR
UNITS : ppmv

SAMPLING DATE : 07/24/2026
RECEIVING DATE : 07/24/2026
ANALYSIS DATE : 07/24/2026
REPORT DATE : 08/03/2026

Total Reduced Sulfur Compounds by SCAQMD 307.91

Client ID	S-511a	S-512a	S-513a	S-514a
AAC ID	261749-92809	261749-92811	261749-92813	261749-92815
Analyte	Result	Result	Result	Result
Hydrogen Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
COS / SO2	< 0.005	< 0.005	< 0.005	< 0.005
Methyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Ethyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
Carbon Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Isopropyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
tert-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
n-Propyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Methylethylsulfide	< 0.005	< 0.005	< 0.005	< 0.005
sec-Butyl Mercaptan / Thiophene	< 0.005	< 0.005	< 0.005	< 0.005
iso-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Sulfide	< 0.005	< 0.005	< 0.005	< 0.005
n-Butyl Mercaptan	< 0.005	< 0.005	< 0.005	< 0.005
Dimethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
2-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
3-Methylthiophene	< 0.005	< 0.005	< 0.005	< 0.005
Tetrahydrothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Bromothiophene	< 0.005	< 0.005	< 0.005	< 0.005
Thiophenol	< 0.005	< 0.005	< 0.005	< 0.005
Diethyl Disulfide	< 0.005	< 0.005	< 0.005	< 0.005
Total Unidentified Sulfur	< 0.005	< 0.005	< 0.005	< 0.005
Total Reduced Sulfurs	< 0.005	< 0.005	< 0.005	< 0.005

All unidentified compound's concentrations expressed in terms of H_2S (TRS does not include COS and SO2)
Sample Reporting Limit (SRL) is equal to Reporting Limit x Analysis Dil. Fac.

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/24/2026
Analyst: NR/RSF
Units: ppmV

Instrument ID : SCD-BTU
Initial Cal Date : 05/14/2026

Opening Calibration Verification Standard

0.501 ppmV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3318	0.485	96.7	2.9
Duplicate	3481	0.509	101.5	1.8
Triplicate	3456	0.505	100.7	1.1

0.513 ppmV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3337	0.489	95.2	3.0
Duplicate	3478	0.509	99.2	1.1
Triplicate	3503	0.513	99.9	1.9

0.522 ppmV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	3736	0.513	98.3	2.5
Duplicate	3820	0.525	100.5	0.3
Triplicate	3941	0.541	103.7	2.8

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261721-92558**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.000	0.0
MeSH	<PQL	<PQL	0.000	0.0
DMS	<PQL	<PQL	0.000	0.0

Matrix Spike & Duplicate **Sample ID 261721-92558 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	0.251	0.253	0.257	100.9	102.5	1.6
MeSH	<PQL	0.257	0.233	0.254	90.8	99.0	8.6
DMS	<PQL	0.261	0.242	0.261	92.7	100.0	7.6

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	0.501	0.502	100.1
MeSH	0.513	0.470	91.6
DMS	0.522	0.473	90.6

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*

PQL = 0.05 ppmV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

Atmospheric Analysis & Consulting, Inc.

Quality Control/Quality Assurance Report
SCAQMD 307.91

Cal Verification Date: 7/24/2026
Analyst: NR/RSF
Units: ppbV

Instrument ID : SCD#10
Initial Cal Date : 06/01/2026

Opening Calibration Verification Standard

501.3 ppbV H2S (GC-031226-01)

H_2S	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11644	493	98.3	0.4
Duplicate	11921	504	100.6	2.0
Triplicate	11514	487	97.2	1.5

513.3 ppbV MeSH (GC-031226-01)

MeSH	Resp. (area)	Result	% Rec *	% RPD ****
Initial	11694	518	101.0	0.6
Duplicate	11892	527	102.7	2.3
Triplicate	11294	501	97.6	2.9

522.3 ppbV DMS (GC-031226-01)

DMS	Resp. (area)	Result	% Rec *	% RPD ****
Initial	12563	531	101.6	0.5
Duplicate	12836	542	103.8	1.7
Triplicate	12472	527	100.9	1.2

Method Blank

Analyte	Result
H_2S	<PQL
MeSH	<PQL
DMS	<PQL

Duplicate Analysis **Sample ID 261721-92556**

Analyte	Sample Result	Duplicate Result	Mean	% RPD ***
H_2S	<PQL	<PQL	0.0	0.0
MeSH	<PQL	<PQL	0.0	0.0
DMS	<PQL	<PQL	0.0	0.0

Matrix Spike & Duplicate **Sample ID 261721-92556 x2**

Analyte	Sample Conc.	Spike Added	MS Result	MSD Result	MS % Rec **	MSD % Rec **	% RPD ***
H_2S	<PQL	250.6	243.9	233.2	97.3	93.0	4.5
MeSH	<PQL	256.6	236.5	243.4	92.1	94.8	2.9
DMS	<PQL	261.1	238.6	238.5	91.4	91.3	0.1

Closing Calibration Verification Standard

Analyte	Std. Conc.	Result	% Rec **
H_2S	501.3	468.2	93.4
MeSH	513.3	465.4	90.7
DMS	522.3	477.4	91.4

** Must be 95-105%, ** Must be 90-110%, *** Must be < 10%, **** Must be < 5% RPD from Mean result.*
PQL = 50.0 ppbV

2225 Sperry Ave., Ventura, CA 93003 www.aaclab.com (805) 650-1642

261749

CE Schmidt, PhD, Environmental Consultant — **Sulfur D5**

Chain of Custody Record

| | | |

ENVIRONMENTAL
Analytical Service, Inc.

Thursday, September 3, 2026

Sample Delivery Group (SDG) 226144
EAS Project Number: 17807

Chuck Schmidt
C.E. Schmidt
19200 Live Oak Road
Red Bluff, CA 96080

Chuck ,

Enclosed is the analytical report for the samples received and analyzed by Environmental Analytical Service, Inc. for the following Project.

Client Project Name: Chiquita Canyon
PO Number:
Client Project Number:
Sample Event Date: 7/20-7/24/2026

If you have any questions on the report or the analytical data please contact me at (805) 781-3585.

Sincerely

Steven D. Hoyt Ph.D.
Laboratory Director

SDH/LIMS

173 Cross Street
San Luis Obispo
CA
93401-7597
805.781.3585
Fax 805.541.4550

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: **226144**

Client Project Manager: Chuck Schmidt

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

Project Number: 17807
Sample Event Date: 7/20-7/24/2026
Received Date: 7/24/2026
Report Date: 9/3/2026

Project Number:
PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	728		668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

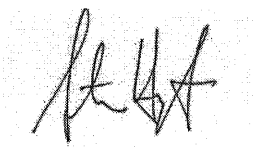
All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 9/3/2026

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

Quality Control Report

EAS SDG Number: 226144

Project Number: 17807

QC Narrative

Samples were anlayzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different then the referrenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater then ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description: METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled: **Time:**
Date Analyzed: 8/3/2026 **Time:** 14:43
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.57	0.69	1.72	0.98	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	87	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled: **Time:**
Date Analyzed: 8/3/2026 **Time:** 14:43
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled:
Date Analyzed: 8/3/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 14:43

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/4/2026 **Time:** 12:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.48	0.69	1.72	0.82	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	86	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/4/2026 **Time:** 12:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled:
Date Analyzed: 8/4/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:06

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description: METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled: **Time:**
Date Analyzed: 8/5/2026 **Time:** 11:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	82	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled: **Time:**
Date Analyzed: 8/5/2026 **Time:** 11:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled:
Date Analyzed: 8/5/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:01

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled: **Time:**
Date Analyzed: 8/6/2026 **Time:** 11:54
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled:
Date Analyzed: 8/6/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:54

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled:
Date Analyzed: 8/6/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:54

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled: **Time:**
Date Analyzed: 8/7/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled: **Time:**
Date Analyzed: 8/7/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled:
Date Analyzed: 8/7/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:58

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled: **Time:**
Date Analyzed: 8/10/2026 **Time:** 12:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	92	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled:
Date Analyzed: 8/10/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 12:16

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled:
Date Analyzed: 8/10/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:16

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled: **Time:**
Date Analyzed: 8/11/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.89	0.69	1.72	1.54	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled: **Time:**
Date Analyzed: 8/11/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled:
Date Analyzed: 8/11/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:58

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled: **Time:**
Date Analyzed: 8/12/2026 **Time:** 11:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled: **Time:**
Date Analyzed: 8/12/2026 **Time:** 11:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled:
Date Analyzed: 8/12/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:46

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/14/2026 **Time:** 12:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/14/2026 **Time:** 12:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled:
Date Analyzed: 8/14/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:25

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080326-MB1
Date: 8/3/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	90		95		70	130	5	25	
75-35-4	1,1-Dichloroethene	101		110		70	130	9	25	
75-09-2	Dichloromethane	88		96		70	130	9	25	
75-34-3	1,1-Dichloroethane	86		91		70	130	6	25	
67-66-3	Chloroform	84		90		70	130	7	25	
71-55-6	1,1,1-Trichloroethane	90		89		70	130	1	25	
107-06-2	1,2-Dichloroethane	82		94		70	130	14	25	
71-43-2	Benzene	91		97		70	130	6	25	
56-23-5	Carbon tetrachloride	92		94		70	130	2	25	
79-01-6	Trichloroethene	94		100		70	130	6	25	
108-88-3	Toluene	83		94		70	130	12	25	
106-93-4	1,2-Dibromoethane	71		89		70	130	22	25	
127-18-4	Tetrachloroethene	96		96		70	130	0	25	
100-41-4	Ethylbenzene	90		90		70	130	1	25	
1330-20-7	m,p-Xylenes	91		89		70	130	2	25	
95-47-6	o-Xylene	92		85		70	130	7	25	
108-67-8	1,3,5-Trimethylbenzene	96		78		70	130	20	25	
95-63-6	1,2,4-Trimethylbenzene	83		73		70	130	12	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080426-MB1
Date: 8/4/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	95		74		70	130	25	25	
75-35-4	1,1-Dichloroethene	107		103		70	130	4	25	
75-09-2	Dichloromethane	104		100		70	130	4	25	
75-34-3	1,1-Dichloroethane	94		111		70	130	16	25	
67-66-3	Chloroform	94		104		70	130	11	25	
71-55-6	1,1,1-Trichloroethane	98		87		70	130	12	25	
107-06-2	1,2-Dichloroethane	97		111		70	130	14	25	
71-43-2	Benzene	103		97		70	130	6	25	
56-23-5	Carbon tetrachloride	90		73		70	130	21	25	
79-01-6	Trichloroethene	101		105		70	130	4	25	
108-88-3	Toluene	93		114		70	130	20	25	
106-93-4	1,2-Dibromoethane	105		83		70	130	24	25	
127-18-4	Tetrachloroethene	93		117		70	130	22	25	
100-41-4	Ethylbenzene	128		110		70	130	15	25	
1330-20-7	m,p-Xylenes	129		109		70	130	17	25	
95-47-6	o-Xylene	118		95		70	130	21	25	
108-67-8	1,3,5-Trimethylbenzene	124		127		70	130	3	25	
95-63-6	1,2,4-Trimethylbenzene	126		124		70	130	2	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 080526-MB1
Date: 8/5/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	102		97		70	130	6	25	
75-35-4	1,1-Dichloroethene	113		106		70	130	7	25	
75-09-2	Dichloromethane	98		96		70	130	2	25	
75-34-3	1,1-Dichloroethane	92		106		70	130	14	25	
67-66-3	Chloroform	94		106		70	130	12	25	
71-55-6	1,1,1-Trichloroethane	98		100		70	130	3	25	
107-06-2	1,2-Dichloroethane	96		101		70	130	6	25	
71-43-2	Benzene	98		92		70	130	7	25	
56-23-5	Carbon tetrachloride	108		109		70	130	2	25	
79-01-6	Trichloroethene	96		92		70	130	4	25	
108-88-3	Toluene	92		90		70	130	2	25	
106-93-4	1,2-Dibromoethane	104		83		70	130	23	25	
127-18-4	Tetrachloroethene	91		86		70	130	5	25	
100-41-4	Ethylbenzene	93		79		70	130	16	25	
1330-20-7	m,p-Xylenes	90		78		70	130	15	25	
95-47-6	o-Xylene	91		78		70	130	15	25	
108-67-8	1,3,5-Trimethylbenzene	86		81		70	130	6	25	
95-63-6	1,2,4-Trimethylbenzene	87		82		70	130	6	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 080626-MB1
Date: 8/6/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	107		98		70	130	9	25	
75-35-4	1,1-Dichloroethene	115		105		70	130	9	25	
75-09-2	Dichloromethane	105		101		70	130	4	25	
75-34-3	1,1-Dichloroethane	103		102		70	130	1	25	
67-66-3	Chloroform	101		99		70	130	2	25	
71-55-6	1,1,1-Trichloroethane	104		93		70	130	11	25	
107-06-2	1,2-Dichloroethane	101		98		70	130	3	25	
71-43-2	Benzene	103		102		70	130	1	25	
56-23-5	Carbon tetrachloride	114		102		70	130	11	25	
79-01-6	Trichloroethene	100		105		70	130	5	25	
108-88-3	Toluene	103		121		70	130	17	25	
106-93-4	1,2-Dibromoethane	117		111		70	130	5	25	
127-18-4	Tetrachloroethene	99		115		70	130	14	25	
100-41-4	Ethylbenzene	105		115		70	130	9	25	
1330-20-7	m,p-Xylenes	104		126		70	130	19	25	
95-47-6	o-Xylene	104		127		70	130	20	25	
108-67-8	1,3,5-Trimethylbenzene	95		109		70	130	14	25	
95-63-6	1,2,4-Trimethylbenzene	95		105		70	130	9	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 080726-MB1
Date: 8/7/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	107		106		70	130	2	25	
75-35-4	1,1-Dichloroethene	116		110		70	130	5	25	
75-09-2	Dichloromethane	109		100		70	130	8	25	
75-34-3	1,1-Dichloroethane	108		100		70	130	8	25	
67-66-3	Chloroform	107		94		70	130	13	25	
71-55-6	1,1,1-Trichloroethane	102		96		70	130	6	25	
107-06-2	1,2-Dichloroethane	112		92		70	130	20	25	
71-43-2	Benzene	107		95		70	130	12	25	
56-23-5	Carbon tetrachloride	106		98		70	130	8	25	
79-01-6	Trichloroethene	98		87		70	130	12	25	
108-88-3	Toluene	99		81		70	130	20	25	
106-93-4	1,2-Dibromoethane	84		75		70	130	12	25	
127-18-4	Tetrachloroethene	90		78		70	130	14	25	
100-41-4	Ethylbenzene	96		75		70	130	24	25	
1330-20-7	m,p-Xylenes	93		73		70	130	24	25	
95-47-6	o-Xylene	92		73		70	130	23	25	
108-67-8	1,3,5-Trimethylbenzene	103		86		70	130	17	25	
95-63-6	1,2,4-Trimethylbenzene	105		90		70	130	16	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 081026-MB1
Date: 8/10/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	113		109		70	130	3	25	
75-35-4	1,1-Dichloroethene	117		107		70	130	9	25	
75-09-2	Dichloromethane	104		93		70	130	12	25	
75-34-3	1,1-Dichloroethane	102		98		70	130	4	25	
67-66-3	Chloroform	102		88		70	130	14	25	
71-55-6	1,1,1-Trichloroethane	102		93		70	130	9	25	
107-06-2	1,2-Dichloroethane	107		86		70	130	22	25	
71-43-2	Benzene	100		90		70	130	10	25	
56-23-5	Carbon tetrachloride	102		90		70	130	12	25	
79-01-6	Trichloroethene	94		83		70	130	13	25	
108-88-3	Toluene	96		82		70	130	17	25	
106-93-4	1,2-Dibromoethane	78		71		70	130	9	25	
127-18-4	Tetrachloroethene	87		74		70	130	17	25	
100-41-4	Ethylbenzene	96		76		70	130	24	25	
1330-20-7	m,p-Xylenes	93		75		70	130	22	25	
95-47-6	o-Xylene	83		74		70	130	11	25	
108-67-8	1,3,5-Trimethylbenzene	112		90		70	130	22	25	
95-63-6	1,2,4-Trimethylbenzene	116		94		70	130	21	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 081126-MB1
Date: 8/11/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	110		102		70	130	8	25	
75-35-4	1,1-Dichloroethene	110		109		70	130	1	25	
75-09-2	Dichloromethane	110		107		70	130	2	25	
75-34-3	1,1-Dichloroethane	108		119		70	130	10	25	
67-66-3	Chloroform	112		111		70	130	1	25	
71-55-6	1,1,1-Trichloroethane	107		103		70	130	4	25	
107-06-2	1,2-Dichloroethane	114		113		70	130	1	25	
71-43-2	Benzene	102		96		70	130	6	25	
56-23-5	Carbon tetrachloride	105		99		70	130	6	25	
79-01-6	Trichloroethene	98		95		70	130	3	25	
108-88-3	Toluene	105		102		70	130	3	25	
106-93-4	1,2-Dibromoethane	111		94		70	130	16	25	
127-18-4	Tetrachloroethene	92		87		70	130	5	25	
100-41-4	Ethylbenzene	108		91		70	130	17	25	
1330-20-7	m,p-Xylenes	106		90		70	130	17	25	
95-47-6	o-Xylene	105		88		70	130	17	25	
108-67-8	1,3,5-Trimethylbenzene	104		94		70	130	10	25	
95-63-6	1,2,4-Trimethylbenzene	99		95		70	130	5	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 081226-MB1
Date: 8/12/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	115		112		70	130	3	25	
75-35-4	1,1-Dichloroethene	122		111		70	130	10	25	
75-09-2	Dichloromethane	114		109		70	130	4	25	
75-34-3	1,1-Dichloroethane	115		112		70	130	3	25	
67-66-3	Chloroform	112		106		70	130	6	25	
71-55-6	1,1,1-Trichloroethane	111		105		70	130	6	25	
107-06-2	1,2-Dichloroethane	123		107		70	130	14	25	
71-43-2	Benzene	106		97		70	130	9	25	
56-23-5	Carbon tetrachloride	107		103		70	130	4	25	
79-01-6	Trichloroethene	100		92		70	130	8	25	
108-88-3	Toluene	108		97		70	130	11	25	
106-93-4	1,2-Dibromoethane	123		102		70	130	18	25	
127-18-4	Tetrachloroethene	91		83		70	130	10	25	
100-41-4	Ethylbenzene	105		95		70	130	10	25	
1330-20-7	m,p-Xylenes	106		97		70	130	9	25	
95-47-6	o-Xylene	103		97		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	108		123		70	130	13	25	
95-63-6	1,2,4-Trimethylbenzene	113		130		70	130	14	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 Volatile Organic Compounds by GC/MS

QC_Batch: 081426-MB1
Date: 8/14/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	112		110		70	130	2	25	
75-35-4	1,1-Dichloroethene	116		113		70	130	3	25	
75-09-2	Dichloromethane	104		99		70	130	5	25	
75-34-3	1,1-Dichloroethane	106		102		70	130	3	25	
67-66-3	Chloroform	99		87		70	130	12	25	
71-55-6	1,1,1-Trichloroethane	101		91		70	130	10	25	
107-06-2	1,2-Dichloroethane	105		94		70	130	11	25	
71-43-2	Benzene	102		95		70	130	7	25	
56-23-5	Carbon tetrachloride	95		91		70	130	5	25	
79-01-6	Trichloroethene	93		89		70	130	4	25	
108-88-3	Toluene	97		93		70	130	4	25	
106-93-4	1,2-Dibromoethane	96		84		70	130	13	25	
127-18-4	Tetrachloroethene	84		77		70	130	9	25	
100-41-4	Ethylbenzene	85		80		70	130	6	25	
1330-20-7	m,p-Xylenes	82		78		70	130	5	25	
95-47-6	o-Xylene	81		79		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	73		88		70	130	19	25	
95-63-6	1,2,4-Trimethylbenzene	74		95		70	130	24	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description: T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.03	0.69	1.72	1.78	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.69	1.24	2.07	7.64	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	1.98	0.92	2.76	4.55	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	12.51	4.76	5.71	29.76	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.32	1.18	3.54	12.76	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.52	1.41	3.53	5.36	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.70	4.48	6.40	5.45	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.94	3.02	3.77	3.55	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.41	1.64	13.13	26.29	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	88	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description: T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	189.69	2.71	3.25	513.12	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	18.30	28.67	61.43	74.95

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 02

File Name: 2614402A.D
Description: T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.90	0.69	1.72	3.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.77	1.24	2.07	7.80	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	91.25	3.78	24.24	172.28	
107-02-8	Acrolein	0.40	1.20	2.60	0.92	2.76	5.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	27.15	4.76	5.71	64.60	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.90	2.34	7.02	11.11	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	9.89	1.18	3.54	29.21	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.42	1.41	3.53	8.55	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.37	4.48	6.40	7.59	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	9.07	1.64	13.13	37.23	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 02**

File Name: 2614402A.D **Date Sampled:** 7/20/2026 **Time:** 10:05
Description T-102 **Date Analyzed:** 8/4/2026 **Time:** 16:30
Canister: 737 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	222.96	2.71	3.25	603.13	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 02

File Name: 2614402A.D
Description T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOHEXANONE, 3-METHYL	7.00	15.00	12.50	28.67	61.43	51.19
2-HEPTANONE, 6-METHYL-	7.00	15.00	24.50	28.67	61.43	100.34

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 03

File Name: 2614403A.D
Description: T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.17	0.69	1.72	2.01	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.11	2.62	3.15	6.70	
74-87-3	Chloromethane	0.60	1.00	3.87	1.24	2.07	8.01	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	45.11	3.78	24.24	85.17	
107-02-8	Acrolein	0.40	1.20	2.60	0.92	2.76	5.98	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	20.92	4.76	5.71	49.77	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.55	1.18	3.54	13.44	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.89	1.41	3.53	6.67	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.72	4.48	6.40	5.51	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.60	1.64	13.13	14.77	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 03

File Name: 2614403A.D
Description T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	212.39	2.71	3.25	574.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 03

File Name: 2614403A.D
Description T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	22.80	28.67	61.43	93.38

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 04

File Name: 2614404A.D
Description: T-104
Canister: 990
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 09:58
Date Analyzed: 8/4/2026 **Time:** 17:47
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.78	0.69	1.72	3.07	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	11.17	2.62	3.15	14.64	
74-87-3	Chloromethane	0.60	1.00	4.04	1.24	2.07	8.36	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	73.97	3.78	24.24	139.66	
107-02-8	Acrolein	0.40	1.20	5.38	0.92	2.76	12.36	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	96.70	4.76	5.71	230.10	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.30	1.97	12.31	5.65	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	49.30	1.18	3.54	145.56	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.75	1.41	3.53	6.16	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.71	4.48	6.40	5.46	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.97	1.64	13.13	8.08	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.21	3.02	3.77	4.57	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	11.53	1.64	13.13	47.30	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.85	4.40	13.19	10.16	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 04

File Name: 2614404A.D
Description T-104
Canister: 990
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 09:58
Date Analyzed: 8/4/2026 **Time:** 17:47
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.60	2.71	3.25	585.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 04

File Name: 2614404A.D
Description T-104
Canister: 990
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 09:58
Date Analyzed: 8/4/2026 **Time:** 17:47
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-PENTANONE	7.00	15.00	28.20	28.67	61.43	115.49

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 05

File Name: 2614405A.D
Description: T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.28	0.69	1.72	2.20	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.24	2.62	3.15	4.25	
74-87-3	Chloromethane	0.60	1.00	3.68	1.24	2.07	7.61	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.93	3.78	24.24	47.07	
107-02-8	Acrolein	0.40	1.20	3.48	0.92	2.76	8.00	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	18.36	4.76	5.71	43.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.01	1.97	12.31	2.49	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	1.25	0.70	3.48	4.36	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.25	1.18	3.54	21.42	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	17.09	1.41	3.53	60.34	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.52	4.48	6.40	8.05	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.92	3.02	3.77	3.46	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.76	1.64	13.13	27.75	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.70	1.74	4.35	3.04	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.94	1.74	4.35	4.11	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.19	4.40	13.19	6.51	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 05

File Name: 2614405A.D
Description T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	214.86	2.71	3.25	581.20	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 05

File Name: 2614405A.D
Description T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description: T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.31	0.69	1.72	3.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.86	1.24	2.07	7.98	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	263.84	3.78	24.24	498.13	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.56	4.76	5.71	41.77	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.31	0.70	3.48	11.52	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	38.27	1.41	3.53	135.10	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	4.67	4.48	6.40	14.93	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.08	3.02	3.77	11.61	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.30	1.64	13.13	5.34	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.14	1.74	4.35	4.97	
1330-20-7	m,p-Xylenes	0.40	1.00	2.68	1.74	4.35	11.67	
111-84-2	Nonane	0.40	1.00	0.58	2.10	5.25	3.07	J
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.89	1.74	4.35	3.85	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.19	4.40	13.19	12.02	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.29	2.71	3.25	595.91	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOBUTANE, ETHYL-	7.00	15.00	13.90	28.67	61.43	56.93

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 07

File Name: 2614407A.D
Description: T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.29	0.69	1.72	2.23	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.69	1.24	2.07	7.64	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	32.10	3.78	24.24	60.61	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.98	4.76	5.71	26.12	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	2.85	0.70	3.48	9.90	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	44.46	1.41	3.53	156.96	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.86	0.59	3.54	5.50	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	9.64	4.48	6.40	30.85	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	11.06	3.02	3.77	41.71	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.86	1.64	13.13	7.65	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	0.96	1.87	4.68	4.48	J
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	3.95	1.74	4.35	17.17	
1330-20-7	m,p-Xylenes	0.40	1.00	6.18	1.74	4.35	26.87	
111-84-2	Nonane	0.40	1.00	1.94	2.10	5.25	10.20	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.53	1.74	4.35	6.67	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	1.64	4.66	13.99	9.57	J
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.57	4.40	13.19	14.15	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 07

File Name: 2614407A.D
Description T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.00	2.71	3.25	584.30	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 07

File Name: 2614407A.D
Description T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOPENTANE, METHYL-	7.00	15.00	18.40	28.67	61.43	75.36
BICYCLO[2.2.1]HEPT-2-ENE, 1,7,7-TRI	7.00	15.00	17.80	28.67	61.43	72.90

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 08

File Name: 2614408A.D
Description: T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.64	0.69	1.72	8.00	
75-71-8	Dichlorodifluoromethane	0.60	1.00	1.33	2.97	4.95	6.58	
67-56-1	Methanol	2.00	2.40	4.15	2.62	3.15	5.44	
74-87-3	Chloromethane	0.60	1.00	3.87	1.24	2.07	8.00	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.58	3.78	24.24	36.96	
107-02-8	Acrolein	0.40	1.20	3.72	0.92	2.76	8.55	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	11.49	4.76	5.71	27.34	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.08	0.70	3.48	10.69	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	39.89	1.41	3.53	140.81	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.80	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.44	3.02	3.77	5.44	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	0.58	1.74	4.35	2.52	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 08

File Name: 2614408A.D
Description T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	161.74	2.71	3.25	437.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 08

File Name: 2614408A.D
Description T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOPROPANE, PROPYL-	7.00	15.00	14.50	28.67	61.43	59.38

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 09

File Name: 2614409A.D
Description: T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.24	0.69	1.72	2.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	1.33	2.97	4.95	6.59	
67-56-1	Methanol	2.00	2.40	4.35	2.62	3.15	5.70	
74-87-3	Chloromethane	0.60	1.00	3.64	1.24	2.07	7.53	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	50.67	3.78	24.24	95.67	
107-02-8	Acrolein	0.40	1.20	5.07	0.92	2.76	11.65	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.95	4.76	5.71	26.05	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.25	0.70	3.48	11.31	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	52.78	1.41	3.53	186.32	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.75	0.59	3.54	5.15	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	7.51	4.48	6.40	24.02	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.87	3.02	3.77	14.60	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	0.74	1.87	4.68	3.44	J
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	6.28	1.74	4.35	27.32	
1330-20-7	m,p-Xylenes	0.40	1.00	6.80	1.74	4.35	29.58	
111-84-2	Nonane	0.40	1.00	2.84	2.10	5.25	14.91	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	3.35	1.74	4.35	14.58	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	1.18	3.94	13.78	5.81	J
98-82-8	Isopropylbenzene	0.80	2.80	3.34	3.94	13.78	16.43	
622-96-8	4-Ethyltoluene	0.80	6.40	4.30	3.94	31.51	21.16	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	8.45	4.66	13.99	49.26	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.95	3.94	17.72	19.44	
538-93-2	i-Butylbenzene	0.80	2.40	1.25	4.40	13.19	6.86	J
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	27.42	4.40	13.19	150.72	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 09

File Name: 2614409A.D
Description T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.08	2.71	3.25	449.27	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 09

File Name: 2614409A.D
Description T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description: T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.94	0.69	1.72	1.62	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.70	2.62	3.15	6.16	
74-87-3	Chloromethane	0.60	1.00	3.59	1.24	2.07	7.42	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	55.77	3.78	24.24	105.30	
107-02-8	Acrolein	0.40	1.20	2.23	0.92	2.76	5.12	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.88	4.76	5.71	16.37	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.69	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.12	1.41	3.53	7.49	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.33	4.48	6.40	7.44	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.02	1.74	4.35	4.44	
1330-20-7	m,p-Xylenes	0.40	1.00	1.12	1.74	4.35	4.87	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	0.85	3.94	31.51	4.19	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	1.06	4.66	13.99	6.18	J
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	3.66	4.40	13.19	20.10	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 10**

File Name:	2614410A.D	**Date Sampled:**	7/20/2026	**Time:**	12:05
Description	T-110	**Date Analyzed:**	8/5/2026	**Time:**	12:57
Canister:	800	**Can Dilution Factor:**	1.00		
QC_Batch:	080526-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	214.10	2.71	3.25	579.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description: T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.42	1.24	2.07	7.06	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.37	3.78	24.24	46.01	
107-02-8	Acrolein	0.40	1.20	1.99	0.92	2.76	4.57	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	26.25	4.76	5.71	62.47	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.68	1.97	12.31	4.15	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.91	1.18	3.54	26.32	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.55	1.41	3.53	5.47	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	147.65	2.71	3.25	399.40	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 12

File Name: 2614412A.D
Description: T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.71	2.62	3.15	7.48	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	46.26	3.78	24.24	87.35	
107-02-8	Acrolein	0.40	1.20	2.06	0.92	2.76	4.74	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	7.34	4.76	5.71	17.47	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.03	1.41	3.53	7.15	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.95	0.59	3.54	5.75	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	8.32	4.48	6.40	26.62	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.45	3.02	3.77	13.00	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	4.93	1.74	4.35	21.43	
1330-20-7	m,p-Xylenes	0.40	1.00	4.86	1.74	4.35	21.15	
111-84-2	Nonane	0.40	1.00	2.47	2.10	5.25	12.98	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.64	1.74	4.35	11.48	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.58	3.94	13.78	12.72	J
622-96-8	4-Ethyltoluene	0.80	6.40	3.67	3.94	31.51	18.09	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	5.89	4.66	13.99	34.31	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.60	3.94	17.72	17.73	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	14.13	4.40	13.19	77.65	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 12

File Name: 2614412A.D
Description T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	205.58	2.71	3.25	556.12	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 12

File Name: 2614412A.D
Description T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 13**

File Name: 2614413A.D **Date Sampled:** 7/20/2026 **Time:** 12:11
Description: T-113 **Date Analyzed:** 8/5/2026 **Time:** 14:48
Canister: 859 **Can Dilution Factor:** 1.00
QC_Batch: 080526-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.79	2.62	3.15	6.28	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	47.18	3.78	24.24	89.07	
107-02-8	Acrolein	0.40	1.20	2.16	0.92	2.76	4.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	7.73	4.76	5.71	18.40	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.51	1.41	3.53	5.33	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.62	0.59	3.54	4.79	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	6.68	4.48	6.40	21.36	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	2.95	3.02	3.77	11.12	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	4.48	1.74	4.35	19.50	
1330-20-7	m,p-Xylenes	0.40	1.00	5.25	1.74	4.35	22.85	
111-84-2	Nonane	0.40	1.00	2.20	2.10	5.25	11.59	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.49	1.74	4.35	10.82	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.32	3.94	13.78	11.41	J
622-96-8	4-Ethyltoluene	0.80	6.40	3.28	3.94	31.51	16.15	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	5.85	4.66	13.99	34.09	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.13	3.94	17.72	15.39	J
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	15.58	4.40	13.19	85.60	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 13

File Name: 2614413A.D
Description T-113
Canister: 859
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:11
Date Analyzed: 8/5/2026 **Time:** 14:48
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	193.06	2.71	3.25	522.25	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 13

File Name: 2614413A.D
Description T-113
Canister: 859
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:11
Date Analyzed: 8/5/2026 **Time:** 14:48
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 14**

File Name: 2614414A.D **Date Sampled:** 7/20/2026 **Time:** 12:51
Description: T-114 **Date Analyzed:** 8/4/2026 **Time:** 12:44
Canister: 529 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.84	0.69	1.72	1.46	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.86	1.41	3.53	3.02	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 14

File Name: 2614414A.D
Description T-114
Canister: 529
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:51
Date Analyzed: 8/4/2026 **Time:** 12:44
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	210.29	2.71	3.25	568.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 14

File Name: 2614414A.D
Description T-114
Canister: 529
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:51
Date Analyzed: 8/4/2026 **Time:** 12:44
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 15**

File Name: 2614415A.D **Date Sampled:** 7/21/2026 **Time:** 09:16
Description: T-201 **Date Analyzed:** 8/5/2026 **Time:** 16:32
Canister: 653 **Can Dilution Factor:** 1.00
QC_Batch: 080526-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.62	0.69	1.72	2.80	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.18	2.62	3.15	13.34	
74-87-3	Chloromethane	0.60	1.00	1.15	1.24	2.07	2.38	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	55.78	3.78	24.24	105.32	
107-02-8	Acrolein	0.40	1.20	3.98	0.92	2.76	9.15	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.54	4.76	5.71	41.74	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.59	1.18	3.54	25.38	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.59	4.48	6.40	8.27	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	10.80	1.64	13.13	44.30	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 15

File Name: 2614415A.D
Description T-201
Canister: 653
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:16
Date Analyzed: 8/5/2026 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	215.97	2.71	3.25	584.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 15

File Name: 2614415A.D
Description T-201
Canister: 653
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:16
Date Analyzed: 8/5/2026 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 16

File Name: 2614416A.D
Description: T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.21	0.69	1.72	3.81	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	15.88	2.62	3.15	20.81	
74-87-3	Chloromethane	0.60	1.00	1.10	1.24	2.07	2.28	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	43.54	3.78	24.24	82.20	
107-02-8	Acrolein	0.40	1.20	4.54	0.92	2.76	10.42	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	22.17	4.76	5.71	52.76	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.69	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.98	1.18	3.54	20.60	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.79	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.05	3.02	3.77	3.95	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	4.14	1.64	13.13	17.00	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 16

File Name: 2614416A.D
Description T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	200.92	2.71	3.25	543.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 16

File Name: 2614416A.D
Description T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 17**

File Name: 2614417A.D
Description: T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.01	0.69	1.72	3.46	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	13.57	2.62	3.15	17.78	
74-87-3	Chloromethane	0.60	1.00	1.72	1.24	2.07	3.55	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	27.84	3.78	24.24	52.55	
107-02-8	Acrolein	0.40	1.20	2.39	0.92	2.76	5.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	25.11	4.76	5.71	59.74	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.49	1.18	3.54	7.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.59	4.48	6.40	5.10	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.04	3.02	3.77	3.94	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.04	1.64	13.13	4.28	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 17**

File Name: 2614417A.D
Description T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	181.50	2.71	3.25	490.98	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 17

File Name: 2614417A.D
Description T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 18

File Name: 2614418B.D
Description: T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	295.51	0.69	1.72	509.28	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	316.25	2.62	3.15	414.47	
74-87-3	Chloromethane	0.60	1.00	180.78	1.24	2.07	373.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	148.52	1.55	3.89	577.24	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.22	3.78	24.24	45.74	
107-02-8	Acrolein	0.40	1.20	53.62	0.92	2.76	123.19	
75-69-4	Trichlorofluoromethane	0.40	1.00	0.96	2.25	5.63	5.42	J
67-64-1	Acetone	2.00	2.40	206.19	4.76	5.71	490.63	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	7.38	1.97	12.31	18.16	
75-65-0	t-Butyl alcohol	0.40	4.00	45.66	1.21	12.14	138.56	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	2.85	0.70	3.48	9.91	
75-15-0	Carbon disulfide	0.40	1.00	64.41	1.25	3.12	200.73	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	1.08	0.81	4.05	4.37	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	181.23	1.18	3.54	535.14	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	40.90	1.41	3.53	144.38	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	50.69	1.44	3.61	182.90	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	9.39	0.79	3.97	37.28	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	64.93	0.81	4.05	263.26	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	71.92	0.69	3.45	248.01	
71-43-2	Benzene	1.40	2.00	72.00	4.48	6.40	230.29	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	31.90	0.94	4.68	149.18	
142-82-5	n-Heptane	0.40	1.00	183.16	1.64	4.10	751.65	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	10.10	0.54	5.38	54.35	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	122.93	1.64	13.13	504.48	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	12.31	0.91	4.55	55.94	
108-88-3	Toluene	0.80	1.00	249.68	3.02	3.77	941.78	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	102.44	1.87	4.68	479.11	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	29.08	0.68	6.79	197.45	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	180.89	1.74	4.35	786.77	
1330-20-7	m,p-Xylenes	0.40	1.00	234.38	1.74	4.35	1,019.43	
111-84-2	Nonane	0.40	1.00	195.65	2.10	5.25	1,028.06	
100-42-5	Styrene	0.60	1.00	25.80	2.56	4.27	110.09	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	174.51	1.74	4.35	759.03	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	52.50	3.94	13.78	258.44	
98-82-8	Isopropylbenzene	0.80	2.80	67.06	3.94	13.78	330.13	
622-96-8	4-Ethyltoluene	0.80	6.40	154.82	3.94	31.51	762.13	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	54.81	3.94	17.72	269.80	
124-18-5	Decane	0.80	2.40	129.04	4.66	13.99	752.04	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	111.48	3.94	17.72	548.81	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	206.39	4.40	13.19	1,134.36	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	39.19	2.10	10.50	205.74	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418B.D
Description T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	201.67	2.71	3.25	545.54	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418B.D
Description T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	240.90	28.67	61.43	986.61
CYCLOPROPANECARBOXYLIC ACID	7.00	15.00	267.30	28.67	61.43	1,094.73
BUTANE, 2-METHYL-	7.00	15.00	237.50	28.67	61.43	972.68
2-BUTENE, 2-METHYL-	7.00	15.00	39.60	28.67	61.43	162.18
FURAN	7.00	15.00	41.10	28.67	61.43	168.33
FURAN, 2-METHYL-	7.00	15.00	35.60	28.67	61.43	145.80
CYCLOHEXANE, 1,2-DIMETHYL-, TRANS-	7.00	15.00	38.00	28.67	61.43	155.63
.ALPHA.-PINENE	7.00	15.00	109.60	28.67	61.43	448.87
NONANE, 3-METHYL-	7.00	15.00	35.20	28.67	61.43	144.16
3',6-DIMETHOXYAURONE	7.00	15.00	45.80	28.67	61.43	187.57

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 18**

File Name:	2614418A.D	**Date Sampled:**	7/21/2026	**Time:**	09:33
Description:	T-204	**Date Analyzed:**	8/12/2026	**Time:**	18:15
Canister:	688	**Can Dilution Factor:**	1.00		
QC_Batch:	081226-MA1	**Air Volume:**	25 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
109-99-9	Tetrahydrofuran	0.80	4.80	738.23	2.38	14.17	2,179.89	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 18**

File Name: 2614418A.D
Description T-204
Canister: 688
QC_Batch: 081226-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/12/2026 **Time:** 18:15
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	652.11	10.82	12.98	1,763.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418A.D
Description T-204
Canister: 688
QC_Batch: 081226-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/12/2026 **Time:** 18:15
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	28.00	60.00	963.60	114.67	245.73	3,946.42
CYCLOPROPANECARBOXYLIC ACID	28.00	60.00	1,069.20	114.67	245.73	4,378.91
BUTANE, 2-METHYL-	28.00	60.00	950.00	114.67	245.73	3,890.72
2-BUTENE, 2-METHYL-	28.00	60.00	158.40	114.67	245.73	648.73
FURAN	28.00	60.00	164.40	114.67	245.73	673.30
FURAN, 2-METHYL-	28.00	60.00	142.40	114.67	245.73	583.20
CYCLOHEXANE, 1,2-DIMETHYL-, TRANS-	28.00	60.00	152.00	114.67	245.73	622.52
.ALPHA.-PINENE	28.00	60.00	438.40	114.67	245.73	1,795.47
NONANE, 3-METHYL-	28.00	60.00	140.80	114.67	245.73	576.65
3',6-DIMETHOXYAURONE	28.00	60.00	183.20	114.67	245.73	750.30

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 19

File Name: 2614419A.D
Description: T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	12.16	0.69	1.72	20.95	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.74	2.62	3.15	27.18	
74-87-3	Chloromethane	0.60	1.00	8.32	1.24	2.07	17.20	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.63	1.55	3.89	14.11	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	103.46	3.78	24.24	195.33	
107-02-8	Acrolein	0.40	1.20	2.92	0.92	2.76	6.70	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	207.94	4.76	5.71	494.78	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	1.88	1.21	12.14	5.72	J
4227-95-6	Methyl iodide	0.40	1.20	3.46	2.34	7.02	20.25	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	17.71	1.18	3.54	52.30	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	2.66	0.59	3.54	7.86	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	1.76	0.98	4.89	8.58	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.87	4.48	6.40	5.99	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.22	3.02	3.77	12.14	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	2.12	1.74	4.35	9.21	
1330-20-7	m,p-Xylenes	0.40	1.00	3.04	1.74	4.35	13.20	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.73	1.74	4.35	7.53	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	1.15	3.94	31.51	5.67	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	1.48	4.40	13.19	8.11	J
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	17.75	4.40	13.19	97.57	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	37.13	2.10	10.50	194.93	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 19**

File Name: 2614419A.D
Description T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	143.34	2.71	3.25	387.75	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 19

File Name: 2614419A.D
Description T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
DISULFIDE, BIS(1-METHYLPROPYL)	7.00	15.00	26.50	28.67	61.43	108.53

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 20**

File Name: 2614420A.D **Date Sampled:** 7/21/2026 **Time:** 10:51
Description: T-206 **Date Analyzed:** 8/5/2026 **Time:** 21:00
Canister: 809 **Can Dilution Factor:** 1.00
QC_Batch: 080526-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	40.02	0.69	1.72	68.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	29.35	1.24	2.07	60.70	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	12.62	1.55	3.89	49.05	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	103.49	3.78	24.24	195.40	
107-02-8	Acrolein	0.40	1.20	19.92	0.92	2.76	45.77	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	66.61	4.76	5.71	158.49	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	3.35	1.21	12.14	10.17	J
4227-95-6	Methyl iodide	0.40	1.20	6.25	2.34	7.02	36.59	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	18.31	1.18	3.54	54.07	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.13	1.41	3.53	4.01	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	13.79	0.59	3.54	40.72	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	3.11	0.98	4.89	15.22	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.60	0.69	3.45	5.52	
71-43-2	Benzene	1.40	2.00	3.41	4.48	6.40	10.92	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	3.81	1.64	4.10	15.65	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	2.77	1.64	13.13	11.36	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	31.61	3.02	3.77	119.23	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	2.05	1.87	4.68	9.57	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	0.72	0.68	6.79	4.89	J
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	16.50	1.74	4.35	71.78	
1330-20-7	m,p-Xylenes	0.40	1.00	24.56	1.74	4.35	106.84	
111-84-2	Nonane	0.40	1.00	7.26	2.10	5.25	38.16	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	8.28	1.74	4.35	36.03	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	5.80	3.94	31.51	28.56	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	6.87	4.66	13.99	40.04	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.40	3.94	17.72	21.68	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	54.88	4.40	13.19	301.61	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	22.26	2.10	10.50	116.87	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 20

File Name: 2614420A.D
Description T-206
Canister: 809
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:51
Date Analyzed: 8/5/2026 **Time:** 21:00
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	136.38	2.71	3.25	368.91	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 20

File Name: 2614420A.D
Description: T-206
Canister: 809
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:51
Date Analyzed: 8/5/2026 **Time:** 21:00
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
.ALPHA.-PINENE	7.00	15.00	74.30	28.67	61.43	304.30
DISULFIDE, BIS(2-METHYLPROPYL)	7.00	15.00	21.00	28.67	61.43	86.01

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 21**

File Name: 2614421A.D **Date Sampled:** 7/21/2026 **Time:** 10:53
Description: T-207 **Date Analyzed:** 8/6/2026 **Time:** 12:32
Canister: 694 **Can Dilution Factor:** 1.00
QC_Batch: 080626-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.57	0.69	1.72	7.87	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	189.93	2.62	3.15	248.92	
74-87-3	Chloromethane	0.60	1.00	7.42	1.24	2.07	15.35	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.73	1.55	3.89	18.39	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	94.53	3.78	24.24	178.48	
107-02-8	Acrolein	0.40	1.20	10.55	0.92	2.76	24.24	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	79.02	4.76	5.71	188.03	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	5.54	1.97	12.31	13.63	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.67	2.34	7.02	15.60	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.16	1.18	3.54	21.16	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	4.05	0.98	4.89	19.80	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.60	4.48	6.40	5.12	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.51	3.02	3.77	5.71	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	2.77	1.74	4.35	12.03	
1330-20-7	m,p-Xylenes	0.40	1.00	3.15	1.74	4.35	13.69	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.43	1.74	4.35	10.56	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	8.78	4.40	13.19	48.24	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	2.01	2.10	10.50	10.56	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 21**

File Name: 2614421A.D
Description T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	112.73	2.71	3.25	304.95	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 21

File Name: 2614421A.D
Description T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 22**

File Name: 2614422A.D
Description: T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	227.33	0.69	1.72	391.78	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.24	2.62	3.15	5.56	
74-87-3	Chloromethane	0.60	1.00	23.44	1.24	2.07	48.47	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	20.67	1.55	3.89	80.33	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	8.72	3.78	24.24	16.46	J
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	56.45	4.76	5.71	134.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	5.39	2.34	7.02	31.53	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.97	1.41	3.53	6.96	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	17.29	0.59	3.54	51.06	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	2.27	0.79	3.97	8.99	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.67	0.69	3.45	5.77	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	4.16	1.64	4.10	17.07	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.65	0.54	5.38	14.24	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	93.11	3.02	3.77	351.19	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	7.06	1.87	4.68	33.03	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	8.26	0.68	6.79	56.06	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	95.03	1.74	4.35	413.32	
1330-20-7	m,p-Xylenes	0.40	1.00	127.11	1.74	4.35	552.85	
111-84-2	Nonane	0.40	1.00	26.15	2.10	5.25	137.38	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	45.01	1.74	4.35	195.76	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	8.04	3.94	13.78	39.56	
622-96-8	4-Ethyltoluene	0.80	6.40	20.44	3.94	31.51	100.63	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	6.50	3.94	17.72	31.99	
124-18-5	Decane	0.80	2.40	19.63	4.66	13.99	114.42	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	13.24	3.94	17.72	65.16	
538-93-2	i-Butylbenzene	0.80	2.40	20.06	4.40	13.19	110.27	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	99.15	4.40	13.19	544.93	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	7.12	2.10	10.50	37.40	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 22

File Name: 2614422A.D
Description T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	96.03	2.71	3.25	259.77	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 22

File Name: 2614422A.D
Description T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	112.70	28.67	61.43	461.56
BUTANE	7.00	15.00	106.90	28.67	61.43	437.81
BUTANE, 2-METHYL-	7.00	15.00	34.20	28.67	61.43	140.07
.ALPHA.-PINENE	7.00	15.00	112.40	28.67	61.43	460.33
UNKNOWN SILOXANE	7.00	15.00	66.20	28.67	61.43	271.12
3-CARENE	7.00	15.00	29.10	28.67	61.43	119.18

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 23

File Name: 2614423A.D
Description: T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	2.38	1.24	2.07	4.92	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.02	1.55	3.89	7.85	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	1.67	0.92	2.76	3.83	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.41	4.76	5.71	22.38	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.01	2.34	7.02	11.76	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.16	1.18	3.54	12.29	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	1.31	1.41	7.05	4.62	J
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.31	2.10	10.50	6.86	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 23

File Name: 2614423A.D
Description T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	118.09	2.71	3.25	319.43	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 23

File Name: 2614423A.D
Description T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 24

File Name: 2614424A.D
Description: T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.91	0.69	1.72	3.29	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	132.49	2.62	3.15	173.63	
74-87-3	Chloromethane	0.60	1.00	3.34	1.24	2.07	6.91	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.50	1.55	3.89	9.74	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.54	3.78	24.24	36.90	
107-02-8	Acrolein	0.40	1.20	6.14	0.92	2.76	14.12	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	25.84	4.76	5.71	61.49	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.95	1.97	12.31	4.80	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.07	2.34	7.02	12.14	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 24

File Name: 2614424A.D
Description T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	104.95	2.71	3.25	283.89	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 24

File Name: 2614424A.D
Description T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 25

File Name: 2614425A.D
Description: T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.70	0.69	1.72	2.94	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.19	2.62	3.15	13.35	
74-87-3	Chloromethane	0.60	1.00	2.25	1.24	2.07	4.65	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	2.43	3.78	24.24	4.59	J
107-02-8	Acrolein	0.40	1.20	3.08	0.92	2.76	7.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	11.19	4.76	5.71	26.62	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.84	2.34	7.02	10.80	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.21	1.18	3.54	6.53	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.30	4.40	13.19	7.13	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 1
Laboratory ID: 25

File Name: 2614425A.D
Description T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	98.94	2.71	3.25	267.63	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 25

File Name: 2614425A.D
Description T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 26

File Name: 2614426A.D
Description: T-212
Canister: 710
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:15
Date Analyzed: 8/6/2026 **Time:** 17:12
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	26.85	0.69	1.72	46.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	107.56	2.62	3.15	140.96	
74-87-3	Chloromethane	0.60	1.00	10.54	1.24	2.07	21.81	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	4.06	2.80	7.00	28.41	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.06	1.55	3.89	15.80	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.29	3.78	24.24	43.97	
107-02-8	Acrolein	0.40	1.20	9.97	0.92	2.76	22.92	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	79.78	4.76	5.71	189.84	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.49	1.97	12.31	20.90	
75-65-0	t-Butyl alcohol	0.40	4.00	7.80	1.21	12.14	23.67	
4227-95-6	Methyl iodide	0.40	1.20	3.12	2.34	7.02	18.25	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.90	1.18	3.54	26.28	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.59	1.41	3.53	9.14	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	2.50	0.69	3.45	8.63	
71-43-2	Benzene	1.40	2.00	3.80	4.48	6.40	12.15	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	1.67	0.94	4.68	7.82	
142-82-5	n-Heptane	0.40	1.00	4.62	1.64	4.10	18.95	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.22	0.54	5.38	11.94	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	80.35	3.02	3.77	303.09	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	2.14	0.68	6.79	14.56	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	89.32	1.74	4.35	388.49	
1330-20-7	m,p-Xylenes	0.40	1.00	108.49	1.74	4.35	471.89	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	2.18	2.56	4.27	9.29	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	81.75	1.74	4.35	355.57	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	15.52	3.94	13.78	76.39	
98-82-8	Isopropylbenzene	0.80	2.80	20.92	3.94	13.78	103.01	
622-96-8	4-Ethyltoluene	0.80	6.40	55.88	3.94	31.51	275.06	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	25.56	3.94	17.72	125.81	
124-18-5	Decane	0.80	2.40	14.72	4.66	13.99	85.79	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	51.67	3.94	17.72	254.34	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	28.73	4.40	13.19	157.92	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	4.66	2.10	10.50	24.46	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 1
Laboratory ID: 26

File Name: 2614426A.D
Description T-212
Canister: 710
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:15
Date Analyzed: 8/6/2026 **Time:** 17:12
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.87	2.71	3.25	451.39	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 26

File Name: 2614426A.D
Description: T-212
Canister: 710
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:15
Date Analyzed: 8/6/2026 **Time:** 17:12
Can Dilution Factor: 1.00
* **Air Volume:** 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	41.60	28.67	61.43	170.37
2-BUTENE, (E)-	7.00	15.00	27.30	28.67	61.43	111.81
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	23.00	28.67	61.43	94.20
CYCLOHEXANE, 1-ETHYL-4-METHYL-,	7.00	15.00	39.90	28.67	61.43	163.41
.ALPHA.-PINENE	7.00	15.00	96.10	28.67	61.43	393.58
DECANE, 2,6,8-TRIMETHYL-	7.00	15.00	45.80	28.67	61.43	187.57
CAMPHENE	7.00	15.00	87.10	28.67	61.43	356.72

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 27

File Name: 2614427A.D
Description: T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	28.33	0.69	1.72	48.82	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	107.83	2.62	3.15	141.32	
74-87-3	Chloromethane	0.60	1.00	10.41	1.24	2.07	21.54	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	4.33	2.80	7.00	30.32	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.93	1.55	3.89	15.27	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	29.89	3.78	24.24	56.43	
107-02-8	Acrolein	0.40	1.20	8.78	0.92	2.76	20.17	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	78.97	4.76	5.71	187.91	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.02	1.97	12.31	19.74	
75-65-0	t-Butyl alcohol	0.40	4.00	7.46	1.21	12.14	22.65	
4227-95-6	Methyl iodide	0.40	1.20	3.14	2.34	7.02	18.39	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	10.22	1.18	3.54	30.19	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.48	1.41	3.53	8.76	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	2.90	0.69	3.45	10.00	
71-43-2	Benzene	1.40	2.00	5.28	4.48	6.40	16.88	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	1.92	0.94	4.68	8.96	
142-82-5	n-Heptane	0.40	1.00	5.21	1.64	4.10	21.38	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.42	0.54	5.38	13.01	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	84.70	3.02	3.77	319.48	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	2.29	0.68	6.79	15.55	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	90.98	1.74	4.35	395.70	
1330-20-7	m,p-Xylenes	0.40	1.00	108.73	1.74	4.35	472.89	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	2.05	2.56	4.27	8.74	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	83.83	1.74	4.35	364.63	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	16.60	3.94	13.78	81.71	
98-82-8	Isopropylbenzene	0.80	2.80	21.15	3.94	13.78	104.10	
622-96-8	4-Ethyltoluene	0.80	6.40	57.95	3.94	31.51	285.28	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	25.75	3.94	17.72	126.75	
124-18-5	Decane	0.80	2.40	15.59	4.66	13.99	90.87	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	53.90	3.94	17.72	265.36	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	28.52	4.40	13.19	156.75	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	5.09	2.10	10.50	26.72	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 27

File Name: 2614427A.D
Description: T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.04	2.71	3.25	449.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 27

File Name: 2614427A.D
Description: T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	47.40	28.67	61.43	194.13
2-BUTENE, (E)-	7.00	15.00	30.20	28.67	61.43	123.68
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	17.20	28.67	61.43	70.44
CYCLOHEXANE, 1-ETHYL-4-METHYL-	7.00	15.00	40.00	28.67	61.43	163.82
.ALPHA.-PINENE	7.00	15.00	96.90	28.67	61.43	396.85
DECANE, 2,6,8-TRIMETHYL-	7.00	15.00	52.40	28.67	61.43	214.60
CAMPHENE	7.00	15.00	100.30	28.67	61.43	410.78

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 28**

File Name:	C08036E.D	**Date Sampled:**	7/21/2026	**Time:**	12:38
Description:	T-214	**Date Analyzed:**	8/3/2026	**Time:**	10:24
Canister:	692	**Can Dilution Factor:**	1.00		
QC_Batch:	080326-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.84	0.69	1.72	1.45	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	87	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	190.67	2.71	3.25	515.78	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 29

File Name: 2614429A.D
Description: T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.01	0.69	1.72	3.47	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.82	2.62	3.15	3.70	
74-87-3	Chloromethane	0.60	1.00	0.97	1.24	2.07	2.01	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	33.54	3.78	24.24	63.32	
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	14.64	4.76	5.71	34.84	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.39	1.97	12.31	3.43	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.62	1.18	3.54	13.63	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.08	4.48	6.40	6.64	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.16	1.64	13.13	12.95	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 29

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.40	2.71	3.25	596.20	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 29

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 30

File Name: 2614430A.D
Description: T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.06	0.69	1.72	1.82	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.83	3.78	24.24	45.00	
107-02-8	Acrolein	0.40	1.20	0.99	0.92	2.76	2.28	J
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.00	4.76	5.71	14.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 30

File Name: 2614430A.D
Description T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	160.61	2.71	3.25	434.46	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 30

File Name: 2614430A.D
Description T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 31

File Name: 2614431A.D
Description: T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.54	0.69	1.72	2.66	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.34	2.62	3.15	5.69	
74-87-3	Chloromethane	0.60	1.00	1.81	1.24	2.07	3.74	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.60	3.78	24.24	44.57	
107-02-8	Acrolein	0.40	1.20	2.64	0.92	2.76	6.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.74	4.76	5.71	20.79	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.39	1.18	3.54	4.12	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.66	1.41	3.53	5.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.67	4.48	6.40	5.33	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.50	1.64	13.13	6.14	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 31

File Name: 2614431A.D
Description: T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	145.80	2.71	3.25	394.40	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 31

File Name: 2614431A.D
Description T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description: T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.50	0.69	1.72	2.58	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.42	2.62	3.15	3.17	
74-87-3	Chloromethane	0.60	1.00	1.21	1.24	2.07	2.50	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	5.03	3.78	24.24	9.50	J
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.30	4.76	5.71	31.65	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.56	1.18	3.54	10.52	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.02	1.41	3.53	3.61	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.36	1.64	13.13	13.79	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	133.44	2.71	3.25	360.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 33

File Name: 2614433A.D
Description: T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.77	0.69	1.72	3.05	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.79	2.62	3.15	11.52	
74-87-3	Chloromethane	0.60	1.00	1.49	1.24	2.07	3.07	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.32	3.78	24.24	28.93	
107-02-8	Acrolein	0.40	1.20	2.39	0.92	2.76	5.50	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	18.06	4.76	5.71	42.98	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.75	1.18	3.54	19.93	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.12	1.41	3.53	3.95	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.88	1.64	13.13	15.92	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 33

File Name: 2614433A.D
Description: T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	171.87	2.71	3.25	464.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 33

File Name: 2614433A.D
Description T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description: T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.75	0.69	1.72	8.19	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	31.97	2.62	3.15	41.90	
74-87-3	Chloromethane	0.60	1.00	3.51	1.24	2.07	7.26	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.25	1.55	3.89	12.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	14.45	3.78	24.24	27.29	
107-02-8	Acrolein	0.40	1.20	7.08	0.92	2.76	16.26	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	73.71	4.76	5.71	175.40	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.81	1.97	12.31	6.92	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.00	2.34	7.02	11.68	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	1.46	1.25	3.12	4.55	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	16.37	1.18	3.54	48.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.06	1.41	3.53	3.75	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	2.03	0.98	4.89	9.94	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	8.89	1.64	13.13	36.49	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	1.04	1.74	4.35	4.54	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.68	2.10	10.50	8.83	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	97	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	172.22	2.71	3.25	465.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	24.90	28.67	61.43	101.98
1-HEXANOL, 2-ETHYL-	7.00	15.00	19.50	28.67	61.43	79.86

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 35

File Name: 2614435B.D
Description: T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.90	0.69	1.72	8.44	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.50	2.62	3.15	11.14	
74-87-3	Chloromethane	0.60	1.00	1.36	1.24	2.07	2.81	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	26.49	3.78	24.24	50.02	
107-02-8	Acrolein	0.40	1.20	2.79	0.92	2.76	6.40	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.82	4.76	5.71	23.37	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.65	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.60	1.18	3.54	4.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.78	1.41	3.53	2.77	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.84	0.98	4.89	4.13	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 35**

File Name: 2614435B.D
Description T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	147.76	2.71	3.25	399.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 35

File Name: 2614435B.D
Description T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL	7.00	15.00	12.00	28.67	61.43	49.15

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 36

File Name: 2614436B.D
Description: T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	179.83	0.69	1.72	309.91	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	26.00	2.62	3.15	34.07	
74-87-3	Chloromethane	0.60	1.00	11.85	1.24	2.07	24.51	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.57	1.55	3.89	17.77	
75-00-3	Chloroethane	0.40	1.00	19.50	1.06	2.64	51.51	
64-17-5	Ethanol	2.00	12.84	38.73	3.78	24.24	73.13	
107-02-8	Acrolein	0.40	1.20	77.37	0.92	2.76	177.77	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	55.20	4.76	5.71	131.36	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.86	1.97	12.31	4.59	J
75-65-0	t-Butyl alcohol	0.40	4.00	1.54	1.21	12.14	4.69	J
4227-95-6	Methyl iodide	0.40	1.20	3.33	2.34	7.02	19.52	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	1.05	0.79	3.17	4.15	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	49.43	1.41	3.53	174.50	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	9.10	0.79	3.97	36.11	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	10.25	0.81	4.05	41.54	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	70.28	0.69	3.45	242.36	
71-43-2	Benzene	1.40	2.00	24.92	4.48	6.40	79.72	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	18.73	0.94	4.68	87.59	
142-82-5	n-Heptane	0.40	1.00	60.58	1.64	4.10	248.62	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	7.44	0.54	5.38	40.05	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	34.68	3.02	3.77	130.80	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	9.15	0.68	6.79	62.13	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	23.90	1.74	4.35	103.97	
1330-20-7	m,p-Xylenes	0.40	1.00	27.23	1.74	4.35	118.44	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	8.59	1.74	4.35	37.38	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.59	3.94	13.78	12.73	J
622-96-8	4-Ethyltoluene	0.80	6.40	2.61	3.94	31.51	12.86	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.69	4.40	13.19	14.80	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	107	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 36

File Name: 2614436B.D
Description T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	184.51	2.71	3.25	499.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 36

File Name: 2614436B.D
Description: T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
BUTANE	7.00	15.00	234.40	28.67	61.43	959.98
BUTANE, 2-METHYL-	7.00	15.00	110.60	28.67	61.43	452.96
2-PENTENE	7.00	15.00	40.90	28.67	61.43	167.51
1-BUTENE, 2-METHYL-	7.00	15.00	23.60	28.67	61.43	96.65
BUTANE, 2,2-DIMETHYL	7.00	15.00	28.30	28.67	61.43	115.90
CYCLOHEXANE, 1,3-DIMETHYL, CIS-	7.00	15.00	33.20	28.67	61.43	135.97
CYCLOHEXANE, 1,1,3-TRIMETHYL-	7.00	15.00	37.10	28.67	61.43	151.94
BENZENE, 1-CHLORO-4-(TRIFLUOROMET	7.00	15.00	122.80	28.67	61.43	502.93
.ALPHA.-PINENE	7.00	15.00	35.30	28.67	61.43	144.57
2-HEPTANONE, 6-METHYL-	7.00	15.00	23.10	28.67	61.43	94.61

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 37

File Name: 2614437A.D
Description: T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	10.60	0.69	1.72	18.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.23	1.24	2.07	2.54	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	3.75	0.92	2.76	8.61	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.07	4.76	5.71	21.59	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.02	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.68	1.18	3.54	19.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.10	1.41	3.53	3.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.39	0.69	3.45	4.80	
71-43-2	Benzene	1.40	2.00	2.07	4.48	6.40	6.61	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	1.07	1.64	4.10	4.40	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.36	3.02	3.77	5.12	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.42	1.64	13.13	5.82	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.19	1.74	4.35	5.18	
1330-20-7	m,p-Xylenes	0.40	1.00	0.99	1.74	4.35	4.31	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.72	1.74	4.35	3.13	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	138.82	2.71	3.25	375.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 38

File Name: 2614438A.D
Description: T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.69	0.69	1.72	4.64	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.97	1.24	2.07	4.08	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	114.70	3.78	24.24	216.55	
107-02-8	Acrolein	0.40	1.20	8.17	0.92	2.76	18.78	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	137.14	4.76	5.71	326.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.76	1.97	12.31	21.57	
75-65-0	t-Butyl alcohol	0.40	4.00	1.98	1.21	12.14	6.01	J
4227-95-6	Methyl iodide	0.40	1.20	1.98	2.34	7.02	11.56	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	96.41	1.18	3.54	284.68	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.22	1.41	3.53	4.30	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.10	4.48	6.40	6.70	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	3.13	1.64	13.13	12.86	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	13.11	1.64	13.13	53.81	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 38

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	142.99	2.71	3.25	386.81	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 38

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description: T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.40	0.69	1.72	2.42	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.68	1.24	2.07	3.48	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	281.74	3.78	24.24	531.93	
107-02-8	Acrolein	0.40	1.20	4.26	0.92	2.76	9.80	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	12.41	4.76	5.71	29.54	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.87	2.34	7.02	10.95	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.00	1.18	3.54	14.75	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.57	1.41	3.53	2.02	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.20	1.64	13.13	4.91	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	119.08	2.71	3.25	322.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description: T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.67	0.69	1.72	2.87	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.74	2.62	3.15	7.53	
74-87-3	Chloromethane	0.60	1.00	1.74	1.24	2.07	3.61	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.20	1.55	3.89	4.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	76.40	3.78	24.24	144.24	
107-02-8	Acrolein	0.40	1.20	6.29	0.92	2.76	14.44	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	30.64	4.76	5.71	72.92	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.01	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	14.35	1.18	3.54	42.37	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.85	1.41	3.53	3.01	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.90	4.48	6.40	6.08	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.43	1.64	13.13	14.07	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.85	2.71	3.25	451.35	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 41

File Name: 2614441A.D
Description: T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	3.11	0.69	1.72	5.36	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.22	2.62	3.15	10.78	
74-87-3	Chloromethane	0.60	1.00	2.84	1.24	2.07	5.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.31	1.55	3.89	8.97	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	145.44	3.78	24.24	274.59	
107-02-8	Acrolein	0.40	1.20	9.15	0.92	2.76	21.03	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	31.26	4.76	5.71	74.39	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.01	2.34	7.02	11.77	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	11.18	1.18	3.54	33.01	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.36	1.41	3.53	4.80	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.09	4.48	6.40	6.69	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	5.98	1.64	13.13	24.55	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 41

File Name: 2614441A.D
Description T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	199.57	2.71	3.25	539.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 41

File Name: 2614441A.D
Description: T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
ARSENOUS ACID, TRIS(TRIMETHYLSILYL)	7.00	15.00	54.30	28.67	61.43	222.39
UNKNOWN SILOXANE	7.00	15.00	140.60	28.67	61.43	575.83
TRIDECANE	7.00	15.00	68.40	28.67	61.43	280.13
1-HEXANOL, 2-ETHYL-	7.00	15.00	27.30	28.67	61.43	111.81
OCTANE, 2-METHYL	7.00	15.00	64.90	28.67	61.43	265.80
UNDECANE, 3-METHYL-	7.00	15.00	73.10	28.67	61.43	299.38
HEPTANE, 2,6-DIMETHYL-	7.00	15.00	178.00	28.67	61.43	729.00

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description: T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.55	0.69	1.72	0.95	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	2.25	4.76	5.71	5.35	J
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	171.71	2.71	3.25	464.48	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 43

File Name: 2614443B.D
Description: T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.10	0.69	1.72	7.06	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	18.13	2.62	3.15	23.75	
74-87-3	Chloromethane	0.60	1.00	2.42	1.24	2.07	5.00	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.09	1.55	3.89	8.12	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	75.50	3.78	24.24	142.55	
107-02-8	Acrolein	0.40	1.20	5.51	0.92	2.76	12.67	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	28.38	4.76	5.71	67.53	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.44	1.18	3.54	13.12	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.71	4.48	6.40	8.67	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	104.30	0.54	5.38	561.31	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.66	2.10	10.50	8.74	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 43

File Name: 2614443B.D
Description T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	218.09	2.71	3.25	589.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 43

File Name: 2614443B.D
Description: T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
HEPTANE, 1,1'-OXYBIS-	7.00	15.00	13.90	28.67	61.43	56.93

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 44

File Name: 2614444.D
Description: T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	5.18	0.69	1.72	8.93	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.45	2.62	3.15	7.15	
74-87-3	Chloromethane	0.60	1.00	1.46	1.24	2.07	3.01	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.40	3.78	24.24	46.07	
107-02-8	Acrolein	0.40	1.20	3.34	0.92	2.76	7.67	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.17	4.76	5.71	21.82	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.65	1.18	3.54	4.88	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	17.32	0.98	4.89	84.68	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.08	0.69	3.45	3.74	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.37	0.68	6.79	9.33	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 44

File Name: 2614444.D
Description T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.70	2.71	3.25	597.02	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 44

File Name: 2614444.D
Description T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1 PROPANE, 2-METHYL-	7.00	15.00	15.60	28.67	61.43	63.89
BUTANE	7.00	15.00	14.10	28.67	61.43	57.75

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 45

File Name: 2614445.D
Description: T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.86	0.69	1.72	3.21	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.55	2.62	3.15	3.34	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.73	3.78	24.24	29.69	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.94	4.76	5.71	16.52	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	0.91	1.97	12.31	2.24	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.96	1.18	3.54	5.79	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	77.72	0.54	5.38	418.24	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 45

File Name: 2614445.D
Description T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	191.24	2.71	3.25	517.33	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 45

File Name: 2614445.D
Description T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 46

File Name: 2614446.D
Description: T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	15.62	0.69	1.72	26.91	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.62	2.62	3.15	13.92	
74-87-3	Chloromethane	0.60	1.00	1.45	1.24	2.07	2.99	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	27.70	3.78	24.24	52.31	
107-02-8	Acrolein	0.40	1.20	5.64	0.92	2.76	12.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.38	4.76	5.71	31.83	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.70	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.35	1.18	3.54	9.90	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.27	1.41	3.53	4.49	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	23.15	0.98	4.89	113.19	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.04	0.69	3.45	10.48	
71-43-2	Benzene	1.40	2.00	1.96	4.48	6.40	6.27	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	0.94	1.64	4.10	3.88	J
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	2.41	3.02	3.77	9.08	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	0.95	0.68	6.79	6.42	J
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	2.04	1.74	4.35	8.87	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.93	1.74	4.35	4.05	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 46

File Name: 2614446.D
Description T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	164.57	2.71	3.25	445.18	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 46

File Name: 2614446.D
Description T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 47

File Name: 2614447.D
Description: T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.14	0.69	1.72	1.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.63	2.62	3.15	4.76	
74-87-3	Chloromethane	0.60	1.00	0.74	1.24	2.07	1.52	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	18.06	3.78	24.24	34.10	
107-02-8	Acrolein	0.40	1.20	1.39	0.92	2.76	3.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.23	4.76	5.71	24.35	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.96	0.98	4.89	4.70	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	76.24	0.54	5.38	410.29	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	93	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 47

File Name: 2614447.D
Description: T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	187.90	2.71	3.25	508.29	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 47

File Name: 2614447.D
Description T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description: T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.44	0.69	1.72	4.21	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	15.88	2.62	3.15	20.81	
74-87-3	Chloromethane	0.60	1.00	2.33	1.24	2.07	4.82	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	51.45	3.78	24.24	97.14	
107-02-8	Acrolein	0.40	1.20	6.49	0.92	2.76	14.90	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	46.75	4.76	5.71	111.25	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	3.61	1.97	12.31	8.88	J
75-65-0	t-Butyl alcohol	0.40	4.00	6.72	1.21	12.14	20.39	
4227-95-6	Methyl iodide	0.40	1.20	2.09	2.34	7.02	12.23	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.54	1.18	3.54	16.36	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	4.74	0.59	3.54	13.98	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	2.01	0.98	4.89	9.82	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.53	4.48	6.40	8.08	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	7.24	1.44	7.22	26.12	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.81	1.64	13.13	7.43	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.85	1.74	4.35	3.71	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.98	1.74	4.35	4.28	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.90	1.74	4.35	3.91	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	1.93	2.71	3.25	5.21	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description: T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.96	0.69	1.72	1.65	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.45	2.62	3.15	3.21	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	10.86	3.78	24.24	20.50	J
107-02-8	Acrolein	0.40	1.20	2.21	0.92	2.76	5.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.37	4.76	5.71	41.33	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.67	1.97	12.31	6.56	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.91	1.18	3.54	23.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	4.61	1.64	13.13	18.94	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
2037-26-5	Toluene-d8	% Rec.	LCL	UCL	Flag
		95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description: T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.53	2.71	3.25	596.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description: T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	15.92	0.69	1.72	27.44	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	17.96	2.62	3.15	23.54	
74-87-3	Chloromethane	0.60	1.00	3.37	1.24	2.07	6.96	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.95	1.55	3.89	7.59	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	11.13	3.78	24.24	21.01	J
107-02-8	Acrolein	0.40	1.20	10.86	0.92	2.76	24.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	42.56	4.76	5.71	101.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	7.18	1.97	12.31	17.66	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.66	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	13.50	1.18	3.54	39.86	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.54	1.41	3.53	5.45	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	12.50	0.59	3.54	36.92	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	10.08	0.98	4.89	49.28	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.30	0.69	3.45	11.39	
71-43-2	Benzene	1.40	2.00	2.22	4.48	6.40	7.11	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.33	3.02	3.77	5.02	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.74	1.74	4.35	3.22	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.82	1.74	4.35	3.56	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.56	1.74	4.35	2.43	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	0.98	4.40	13.19	5.37	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	218.39	2.71	3.25	590.75	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 51

File Name: 2614451A.D
Description: T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.21	0.69	1.72	3.80	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.51	2.62	3.15	5.91	
74-87-3	Chloromethane	0.60	1.00	1.25	1.24	2.07	2.59	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.54	1.55	3.89	5.98	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	16.57	3.78	24.24	31.28	
107-02-8	Acrolein	0.40	1.20	2.79	0.92	2.76	6.41	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	16.76	4.76	5.71	39.89	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.15	1.18	3.54	12.27	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.09	4.48	6.40	6.70	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	82.30	0.54	5.38	442.92	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.69	1.64	13.13	15.15	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 51

File Name: 2614451A.D
Description T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	172.09	2.71	3.25	465.52	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 51

File Name: 2614451A.D
Description T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.50	0.69	1.72	4.30	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.91	2.62	3.15	27.40	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.56	1.55	3.89	17.73	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
107-02-8	Acrolein	0.40	1.20	6.08	0.92	2.76	13.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	35.17	4.76	5.71	83.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.19	1.97	12.31	2.94	J
75-65-0	t-Butyl alcohol	0.40	4.00	2.85	1.21	12.14	8.64	J
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.67	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.39	1.18	3.54	15.93	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.20	1.41	3.53	7.78	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.04	4.48	6.40	6.52	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.24	0.54	5.38	12.05	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.53	1.64	13.13	6.26	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.88	3.02	3.77	3.34	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	5.02	1.64	13.13	20.60	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.28	0.68	6.79	8.69	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.12	1.74	4.35	4.89	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.58	2.10	10.50	8.28	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	181.75	2.71	3.25	491.66	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	17.00	28.67	61.43	69.62
1-DECANE, 3,4-DIMETHYL	7.00	15.00	20.40	28.67	61.43	83.55

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
64-17-5	Ethanol	8.00	51.36	211.59	15.10	96.97	399.49	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	431.63	10.82	12.98	1,167.59	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	28.00	60.00	68.00	114.67	245.73	278.49
1-DECANE, 3,4-DIMETHYL	28.00	60.00	81.60	114.67	245.73	334.19

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description: T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.87	0.69	1.72	4.94	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	14.84	2.62	3.15	19.45	
74-87-3	Chloromethane	0.60	1.00	2.54	1.24	2.07	5.26	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.48	1.55	3.89	9.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
107-02-8	Acrolein	0.40	1.20	6.17	0.92	2.76	14.18	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	142.12	4.76	5.71	338.18	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	14.13	1.97	12.31	34.77	
75-65-0	t-Butyl alcohol	0.40	4.00	3.44	1.21	12.14	10.45	J
4227-95-6	Methyl iodide	0.40	1.20	1.84	2.34	7.02	10.77	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	91.38	1.18	3.54	269.83	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.99	1.41	3.53	10.55	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	1.77	0.98	4.89	8.65	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.78	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	67.38	0.54	5.38	362.62	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	3.64	1.64	13.13	14.94	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	37.86	1.64	13.13	155.37	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description: T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	145.00	2.71	3.25	392.23	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE	7.00	15.00	79.80	28.67	61.43	326.82
2-OCTANONE	7.00	15.00	41.90	28.67	61.43	171.60

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description: T-411
Canister: 750
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/12/2026 **Time:** 19:27
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
64-17-5	Ethanol	8.00	51.36	181.85	15.10	96.97	343.34	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 53**

File Name: 2614453A.D **Date Sampled:** 7/23/2026 **Time:** 11:07
Description T-411 **Date Analyzed:** 8/12/2026 **Time:** 19:27
Canister: 750 **Can Dilution Factor:** 1.00
QC_Batch: 081226-MA1 **Air Volume:** 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	532.35	10.82	12.98	1,440.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/12/2026 **Time:** 19:27
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE	28.00	60.00	319.20	114.67	245.73	1,307.28
2-OCTANONE	28.00	60.00	167.60	114.67	245.73	686.41

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 54**

File Name: 2614454A.D **Date Sampled:** 7/23/2026 **Time:** 11:07
Description: T-412 **Date Analyzed:** 8/10/2026 **Time:** 20:05
Canister: 503 **Can Dilution Factor:** 1.00
QC_Batch: 081026-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	41.14	2.62	3.15	53.91	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.20	1.55	3.89	16.34	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	111.28	3.78	24.24	210.10	
107-02-8	Acrolein	0.40	1.20	130.35	0.92	2.76	299.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.45	2.34	7.02	14.35	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	2.25	0.79	3.17	8.92	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	60.85	1.41	3.53	214.81	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	14.20	1.44	3.61	51.25	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	32.08	0.79	3.97	127.29	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
107-06-2	1,2-Dichloroethane	0.20	1.00	30.40	0.81	4.05	123.27	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	205.45	0.69	3.45	708.47	
71-43-2	Benzene	1.40	2.00	94.43	4.48	6.40	302.05	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	23.41	0.54	5.38	125.96	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	145.75	3.02	3.77	549.76	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	69.08	1.87	4.68	323.09	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	24.58	0.68	6.79	166.89	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	105.08	1.74	4.35	457.02	
1330-20-7	m,p-Xylenes	0.40	1.00	122.77	1.74	4.35	533.99	
111-84-2	Nonane	0.40	1.00	31.72	2.10	5.25	166.66	
100-42-5	Styrene	0.60	1.00	3.20	2.56	4.27	13.65	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	41.74	1.74	4.35	181.56	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	10.99	3.94	13.78	54.08	
622-96-8	4-Ethyltoluene	0.80	6.40	12.37	3.94	31.51	60.90	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	5.65	3.94	17.72	27.79	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.96	3.94	17.72	24.41	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	17.63	4.40	13.19	96.89	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	107	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	215.05	2.71	3.25	581.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOBUTANE	7.00	15.00	42.70	28.67	61.43	174.88
BUTANE, 2-METHYL-	7.00	15.00	137.60	28.67	61.43	563.54
1-BUTENE, 2-METHYL-	7.00	15.00	74.80	28.67	61.43	306.34
PETNANE, 2,3-DIMETHYL-	7.00	15.00	69.50	28.67	61.43	284.64
CYCLOHEXANE, 1,4-DIMETHYL-	7.00	15.00	39.60	28.67	61.43	162.18
CYCLOHEXANE, ETHYL-	7.00	15.00	48.60	28.67	61.43	199.04
CYCLOHEXANE, 1,1,3-TRIMETHYL	7.00	15.00	55.20	28.67	61.43	226.07
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	41.60	28.67	61.43	170.37
.ALPHA.-PINENE	7.00	15.00	79.30	28.67	61.43	324.77
CAMPHENE	7.00	15.00	49.60	28.67	61.43	203.14

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description: T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	4.00	10.00	890.46	6.89	17.23	1,534.61	
67-64-1	Acetone	20.00	24.00	1,915.74	47.59	57.11	4,558.47	
78-93-3	2-Butanone (MEK)	4.00	12.00	276.04	11.81	35.43	815.12	
142-82-5	n-Heptane	4.00	10.00	161.98	16.41	41.04	664.73	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description: T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	10.00	12.00	661.14	27.05	32.46	1,788.44	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	70.00	150.00	ND	286.68	614.32	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description: T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	263.48	0.69	1.72	454.08	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	54.42	2.62	3.15	71.32	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	7.86	1.55	3.89	30.54	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	124.16	3.78	24.24	234.42	
107-02-8	Acrolein	0.40	1.20	131.24	0.92	2.76	301.54	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	219.13	4.76	5.71	521.41	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	3.24	2.34	7.02	18.95	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	3.22	0.79	3.17	12.77	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	61.05	1.18	3.54	180.28	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	105.96	1.41	3.53	374.07	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	12.15	1.44	3.61	43.84	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	20.59	0.79	3.97	81.72	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	26.03	0.81	4.05	105.54	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	144.83	0.69	3.45	499.45	
71-43-2	Benzene	1.40	2.00	71.45	4.48	6.40	228.53	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	192.11	1.64	4.10	788.37	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	16.84	0.54	5.38	90.64	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	118.55	3.02	3.77	447.15	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	54.52	1.87	4.68	255.00	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	22.59	0.68	6.79	153.41	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	85.47	1.74	4.35	371.77	
1330-20-7	m,p-Xylenes	0.40	1.00	99.64	1.74	4.35	433.40	
111-84-2	Nonane	0.40	1.00	23.64	2.10	5.25	124.21	
100-42-5	Styrene	0.60	1.00	3.35	2.56	4.27	14.28	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	34.78	1.74	4.35	151.28	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	9.18	3.94	13.78	45.20	
622-96-8	4-Ethyltoluene	0.80	6.40	10.74	3.94	31.51	52.85	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	4.55	3.94	17.72	22.41	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.31	3.94	17.72	21.20	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	13.96	4.40	13.19	76.73	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	110	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.95	2.71	3.25	586.87	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description: T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
3-BUTENOIC ACID	7.00	15.00	413.90	28.67	61.43	1,695.13
BUTANE, 2-METHYL-	7.00	15.00	220.10	28.67	61.43	901.42
2-PENTENE, (E)-	7.00	15.00	94.30	28.67	61.43	386.21
2-PENTENE, (Z)-	7.00	15.00	60.30	28.67	61.43	246.96
CYCLOPENTANE, METHYL-	7.00	15.00	144.60	28.67	61.43	592.21
CYCLOPENTANE, 1,1,2-TRIMETHYL-	7.00	15.00	38.90	28.67	61.43	159.31
CYCLOHEXANE, ETHYL-	7.00	15.00	44.70	28.67	61.43	183.07
CYCLOHEXANE, 1,1,3-TRIMETHYL-	7.00	15.00	51.80	28.67	61.43	212.15
.ALPHA.-PINENE	7.00	15.00	74.50	28.67	61.43	305.11
CAMPHENE	7.00	15.00	52.60	28.67	61.43	215.42

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 56

File Name: C08036G.D
Description: T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.93	0.69	1.72	1.61	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	4.09	4.76	5.71	9.72	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.68	4.48	6.40	5.36	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 56

File Name: C08036G.D
Description T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	250.27	2.71	3.25	676.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 56

File Name: C08036G.D
Description T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description: T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.04	0.69	1.72	1.79	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.23	2.62	3.15	4.23	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	33.01	3.78	24.24	62.32	
107-02-8	Acrolein	0.40	1.20	2.11	0.92	2.76	4.84	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.66	4.76	5.71	15.85	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	41.24	0.54	5.38	221.95	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description: T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	137.15	2.71	3.25	370.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description: T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.24	0.69	1.72	2.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.55	2.62	3.15	5.96	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	54.45	3.78	24.24	102.80	
107-02-8	Acrolein	0.40	1.20	1.41	0.92	2.76	3.23	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.67	4.76	5.71	20.62	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	52.85	0.54	5.38	284.42	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	141.48	2.71	3.25	382.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description: T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.82	0.69	1.72	3.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	19.04	2.62	3.15	24.96	
74-87-3	Chloromethane	0.60	1.00	1.44	1.24	2.07	2.99	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	22.11	3.78	24.24	41.74	
107-02-8	Acrolein	0.40	1.20	4.57	0.92	2.76	10.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	15.23	4.76	5.71	36.24	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.09	1.18	3.54	6.17	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.10	4.48	6.40	6.71	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	0.94	0.54	5.38	5.03	J
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.36	1.64	13.13	9.67	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	194.65	2.71	3.25	526.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 60

File Name: 2614460A.D
Description: T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	21.67	0.69	1.72	37.34	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.82	2.62	3.15	27.28	
74-87-3	Chloromethane	0.60	1.00	4.37	1.24	2.07	9.05	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.88	1.55	3.89	7.29	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.96	3.78	24.24	37.68	
107-02-8	Acrolein	0.40	1.20	10.00	0.92	2.76	22.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	45.25	4.76	5.71	107.66	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.59	1.97	12.31	3.93	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.20	2.34	7.02	12.90	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	1.24	0.70	3.48	4.30	
75-15-0	Carbon disulfide	0.40	1.00	15.72	1.25	3.12	48.98	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	19.25	1.18	3.54	56.84	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	3.14	1.41	3.53	11.10	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	10.33	0.59	3.54	30.49	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.69	0.69	3.45	12.74	
71-43-2	Benzene	1.40	2.00	3.72	4.48	6.40	11.89	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	1.00	0.54	5.38	5.36	J
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.32	3.02	3.77	4.97	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	13.41	1.64	13.13	55.04	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.26	0.68	6.79	8.55	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.87	1.74	4.35	3.79	J
1330-20-7	m,p-Xylenes	0.40	1.00	1.46	1.74	4.35	6.37	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.03	1.74	4.35	4.47	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	4.33	4.40	13.19	23.80	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
2037-26-5	Toluene-d8	% Rec.	LCL	UCL	Flag
		89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 60

File Name: 2614460A.D
Description T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	170.53	2.71	3.25	461.30	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 60

File Name: 2614460A.D
Description T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1 BUTANE	7.00	15.00	18.60	28.67	61.43	76.18
UNKNOWN SILOXANE	7.00	15.00	75.00	28.67	61.43	307.16
2-HEPTANONE, 6-METHYL	7.00	15.00	37.10	28.67	61.43	151.94

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 61

File Name: 2614461A.D
Description: T-505
Canister: 627
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:36
Date Analyzed: 8/11/2026 **Time:** 18:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.83	0.69	1.72	4.88	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	76.74	2.62	3.15	100.57	
74-87-3	Chloromethane	0.60	1.00	2.39	1.24	2.07	4.94	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	11.08	3.78	24.24	20.93	J
107-02-8	Acrolein	0.40	1.20	6.05	0.92	2.76	13.89	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	19.94	4.76	5.71	47.45	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	0.95	0.70	3.48	3.31	J
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.71	1.18	3.54	7.99	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.14	1.41	3.53	7.56	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.58	4.48	6.40	5.07	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	57.68	0.54	5.38	310.41	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.18	3.02	3.77	4.46	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 61

File Name: 2614461A.D
Description: T-505
Canister: 627
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:36
Date Analyzed: 8/11/2026 **Time:** 18:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	139.23	2.71	3.25	376.64	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 61

File Name: 2614461A.D
Description T-505
Canister: 627
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:36
Date Analyzed: 8/11/2026 **Time:** 18:22
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-HEXANOL, 2-ETHYL-	7.00	15.00	23.70	28.67	61.43	97.06

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 62

File Name: 2614462A.D
Description: T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.73	0.69	1.72	4.70	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	83.05	2.62	3.15	108.84	
74-87-3	Chloromethane	0.60	1.00	2.39	1.24	2.07	4.95	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	5.90	3.78	24.24	11.14	J
107-02-8	Acrolein	0.40	1.20	6.93	0.92	2.76	15.92	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	61.64	4.76	5.71	146.68	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	11.13	1.18	3.54	32.87	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.24	1.41	3.53	4.38	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	43.07	0.54	5.38	231.78	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.22	1.64	13.13	25.51	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 62

File Name: 2614462A.D
Description: T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	134.82	2.71	3.25	364.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 62

File Name: 2614462A.D
Description T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-DECENE, 3,4-DIMETHYL	7.00	15.00	15.00	28.67	61.43	61.43

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 63

File Name: 2614463A.D
Description: T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.52	0.69	1.72	7.79	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	130.38	2.62	3.15	170.87	
74-87-3	Chloromethane	0.60	1.00	2.96	1.24	2.07	6.12	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.93	1.55	3.89	7.50	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.08	3.78	24.24	28.48	
107-02-8	Acrolein	0.40	1.20	12.26	0.92	2.76	28.18	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	42.15	4.76	5.71	100.29	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.98	2.34	7.02	11.61	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	7.98	1.25	3.12	24.87	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.77	1.18	3.54	17.02	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	22.45	0.98	4.89	109.76	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 63

File Name: 2614463A.D
Description: T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	156.92	2.71	3.25	424.48	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 63

File Name: 2614463A.D
Description T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-HEXANOL, 2-ETHYL	7.00	15.00	13.70	28.67	61.43	56.11

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description: T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	3.53	0.69	1.72	6.09	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.88	2.62	3.15	14.26	
74-87-3	Chloromethane	0.60	1.00	1.39	1.24	2.07	2.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	3.53	3.78	24.24	6.67	J
107-02-8	Acrolein	0.40	1.20	4.65	0.92	2.76	10.68	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	34.23	4.76	5.71	81.45	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.03	1.18	3.54	8.95	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.34	4.48	6.40	7.47	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.35	1.64	13.13	9.66	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	174.81	2.71	3.25	472.88	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 65

File Name: 2614465A.D
Description: T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.00	0.69	1.72	1.73	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	0.81	1.24	2.07	1.67	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	14.29	4.76	5.71	33.99	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.91	1.18	3.54	11.55	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	84.70	0.54	5.38	455.81	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.90	1.64	13.13	11.90	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 65

File Name: 2614465A.D
Description T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	204.44	2.71	3.25	553.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 65

File Name: 2614465A.D
Description T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 66

File Name: 2614466A.D
Description: T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.79	0.69	1.72	3.08	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.22	2.62	3.15	5.53	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	2.87	0.92	2.76	6.60	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	31.66	4.76	5.71	75.33	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	17.50	1.18	3.54	51.67	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.45	4.48	6.40	4.64	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	9.26	1.64	13.13	38.01	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 66

File Name: 2614466A.D
Description: T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	180.69	2.71	3.25	488.78	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 66

File Name: 2614466A.D
Description T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 67

File Name: 2614467A.D
Description: T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.99	0.69	1.72	3.43	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	2.28	0.92	2.76	5.23	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.21	4.76	5.71	31.42	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	1.82	1.25	3.12	5.67	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	69.81	0.54	5.38	375.67	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.36	1.64	13.13	5.60	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 67**

File Name: 2614467A.D
Description T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	213.88	2.71	3.25	578.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 67

File Name: 2614467A.D
Description T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 68

File Name: 2614468A.D
Description: T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.55	0.69	1.72	2.68	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	9.38	2.62	3.15	12.30	
74-87-3	Chloromethane	0.60	1.00	1.41	1.24	2.07	2.91	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	76.79	3.78	24.24	144.97	
107-02-8	Acrolein	0.40	1.20	1.43	0.92	2.76	3.29	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.96	4.76	5.71	21.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.87	1.18	3.54	8.46	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 68

File Name: 2614468A.D
Description T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	135.02	2.71	3.25	365.24	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 68

File Name: 2614468A.D
Description T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 69

File Name: 2614469A.D
Description: T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.37	0.69	1.72	2.37	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	7.12	2.62	3.15	9.34	
74-87-3	Chloromethane	0.60	1.00	1.25	1.24	2.07	2.58	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	74.01	3.78	24.24	139.73	
107-02-8	Acrolein	0.40	1.20	2.65	0.92	2.76	6.09	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.74	4.76	5.71	32.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.39	1.18	3.54	7.04	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 69

File Name: 2614469A.D
Description T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	158.21	2.71	3.25	427.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 69

File Name: 2614469A.D
Description T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 70

File Name: 2614470A.D
Description: T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	2.02	4.76	5.71	4.82	J
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	0.88	4.40	13.19	4.83	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 70

File Name: 2614470A.D
Description: T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	184.72	2.71	3.25	499.69	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 70

File Name: 2614470A.D
Description T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: **226144**

Client Project Manager: Chuck Schmidt

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

Project Number: 17807
Sample Event Date: 7/20-7/24/2026
Received Date: 7/24/2026
Report Date: 9/3/2026

Project Number:
PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	728		668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

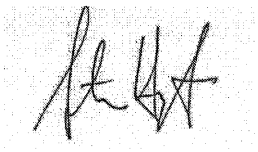
All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 9/3/2026

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

Quality Control Report

EAS SDG Number: 226144

Project Number: 17807

QC Narrative

Samples were anlayzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different then the referrenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater then ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

ENVIRONMENTAL
Analytical Service, Inc.

Thursday, September 3, 2026

Sample Delivery Group (SDG) 226144
EAS Project Number: 17807

Chuck Schmidt
C.E. Schmidt
19200 Live Oak Road
Red Bluff, CA 96080

Chuck ,

Enclosed is the analytical report for the samples received and analyzed by Environmental Analytical Service, Inc. for the following Project.

Client Project Name: Chiquita Canyon
PO Number:
Client Project Number:
Sample Event Date: 7/20-7/24/2026

If you have any questions on the report or the analytical data please contact me at (805) 781-3585.

Sincerely

Steven D. Hoyt Ph.D.
Laboratory Director

SDH/LIMS

173 Cross Street
San Luis Obispo
CA
93401-7597
805.781.3585
Fax 805.541.4550

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07316

File Name: B07316C
Description: METHOD BLANK
Canister:
QC_Batch: 073126-GCK

Date Sampled:
Time:
Date Analyzed: 07/31/26
Time: 17:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08036

File Name: B08036B
Description: METHOD BLANK
Canister:
QC_Batch: 080326-GCK

Date Sampled:
Date Analyzed: 08/03/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:31

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08046

File Name: B08046B
Description: METHOD BLANK
Canister:
QC_Batch: 080426-GCK

Date Sampled:
Date Analyzed: 08/04/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:43

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08056

File Name: B08056B
Description: METHOD BLANK
Canister:
QC_Batch: 080526-GCK

Date Sampled:
Time:
Date Analyzed: 08/05/2026
Time: 12:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08076

File Name: B08076B
Description: METHOD BLANK
Canister:
QC_Batch: 080726-GCK

Date Sampled:
Date Analyzed: 08/07/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:30

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08106

File Name: B08106B
Description: METHOD BLANK
Canister:
QC_Batch: 081026-GCK

Date Sampled:
Date Analyzed: 08/10/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:43

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08116

File Name: B08116B
Description: METHOD BLANK
Canister:
QC_Batch: 081126-GCK

Date Sampled:
Date Analyzed: 08/11/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:27

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08126

File Name: B08126B
Description: METHOD BLANK
Canister:
QC_Batch: 081226-GCK

Date Sampled:
Date Analyzed: 08/12/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:09

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08136

File Name: B08136B
Description: METHOD BLANK
Canister:
QC_Batch: 081326-GCK

Date Sampled:
Time:
Date Analyzed: 08/13/2026
Time: 11:16
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08146

File Name: B08146B
Description: METHOD BLANK
Canister:
QC_Batch: 081426-GCK

Date Sampled:
Date Analyzed: 08/14/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 12:05

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08196

File Name: B08196B
Description: METHOD BLANK
Canister:
QC_Batch: 081926-GCK

Date Sampled: **Time:**
Date Analyzed: 08/19/2026 **Time:** 11:02
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08206

File Name: B08206B
Description: METHOD BLANK
Canister:
QC_Batch: 082026-GCK

Date Sampled: **Time:**
Date Analyzed: 08/20/2026 **Time:** 10:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08256

File Name: B08256B
Description: METHOD BLANK
Canister:
QC_Batch: 082526-GCK

Date Sampled:
Date Analyzed: 08/25/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 16:37

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08266

File Name: B08266B
Description: METHOD BLANK
Canister:
QC_Batch: 082626-GCK

Date Sampled:
Date Analyzed: 08/26/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:14

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08276

File Name: B08276B
Description: METHOD BLANK
Canister:
QC_Batch: 082726-GCK

Date Sampled:
Date Analyzed: 08/27/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:51

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08316

File Name: B08316B
Description: METHOD BLANK
Canister:
QC_Batch: 083126-GCK

Date Sampled:
Date Analyzed: 08/31/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:18

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 073126-GCK
Date: 07/31/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	92		94		70	130	2	25	
110-54-3	n-Hexane	98		102		70	130	4	25	
71-43-2	Benzene	77		87		70	130	10	25	
142-82-5	n-Heptane	106		115		70	130	9	25	
108-88-3	Toluene	95		109		70	130	15	25	
111-65-9	n-Octane	101		114		70	130	12	25	
108-38-3	m,p-xylene	95		104		70	130	10	25	
95-47-6	o-xylene	105		109		70	130	4	25	
108-67-8	1,3,5-Trimethylbenzene	104		110		70	130	7	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080326-GCK
Date: 08/03/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	93		97		70	130	4	25	
110-54-3	n-Hexane	104		107		70	130	3	25	
71-43-2	Benzene	89		87		70	130	1	25	
142-82-5	n-Heptane	117		113		70	130	5	25	
108-88-3	Toluene	119		106		70	130	13	25	
111-65-9	n-Octane	118		108		70	130	9	25	
108-38-3	m,p-xylene	107		101		70	130	6	25	
95-47-6	o-xylene	110		98		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	95		84		70	130	11	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080426-GCK
Date: 08/04/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	96		96		70	130	0	25	
110-54-3	n-Hexane	103		105		70	130	2	25	
71-43-2	Benzene	93		93		70	130	1	25	
142-82-5	n-Heptane	113		110		70	130	3	25	
108-88-3	Toluene	117		110		70	130	7	25	
111-65-9	n-Octane	117		110		70	130	7	25	
108-38-3	m,p-xylene	115		115		70	130	1	25	
95-47-6	o-xylene	117		117		70	130	0	25	
108-67-8	1,3,5-Trimethylbenzene	113		120		70	130	8	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080526-GCK
Date: 08/05/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	100		100		70	130	0	25	
110-54-3	n-Hexane	107		106		70	130	1	25	
71-43-2	Benzene	98		95		70	130	3	25	
142-82-5	n-Heptane	116		116		70	130	0	25	
108-88-3	Toluene	118		117		70	130	1	25	
111-65-9	n-Octane	119		113		70	130	5	25	
108-38-3	m,p-xylene	113		120		70	130	7	25	
95-47-6	o-xylene	116		129		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	111		123		70	130	12	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080726-GCK
Date: 08/07/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	103		102		70	130	1	25	
110-54-3	n-Hexane	110		108		70	130	2	25	
71-43-2	Benzene	101		98		70	130	3	25	
142-82-5	n-Heptane	115		114		70	130	1	25	
108-88-3	Toluene	124		109		70	130	15	25	
111-65-9	n-Octane	119		108		70	130	10	25	
108-38-3	m,p-xylene	113		100		70	130	13	25	
95-47-6	o-xylene	113		101		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	99		92		70	130	7	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081026-GCK
Date: 08/10/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	103		101		70	130	2	25	
110-54-3	n-Hexane	107		106		70	130	1	25	
71-43-2	Benzene	101		92		70	130	10	25	
142-82-5	n-Heptane	114		107		70	130	8	25	
108-88-3	Toluene	114		101		70	130	13	25	
111-65-9	n-Octane	117		100		70	130	16	25	
108-38-3	m,p-xylene	110		92		70	130	18	25	
95-47-6	o-xylene	110		93		70	130	17	25	
108-67-8	1,3,5-Trimethylbenzene	94		90		70	130	4	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081126-GCK
Date: 08/11/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	80		83		70	130	3	25	
110-54-3	n-Hexane	84		84		70	130	0	25	
71-43-2	Benzene	79		79		70	130	0	25	
142-82-5	n-Heptane	90		87		70	130	3	25	
108-88-3	Toluene	90		81		70	130	8	25	
111-65-9	n-Octane	91		83		70	130	8	25	
108-38-3	m,p-xylene	83		76		70	130	7	25	
95-47-6	o-xylene	82		75		70	130	7	25	
108-67-8	1,3,5-Trimethylbenzene	71		75		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081226-GCK
Date: 08/12/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	84		82		70	130	3	25	
110-54-3	n-Hexane	86		87		70	130	1	25	
71-43-2	Benzene	80		85		70	130	4	25	
142-82-5	n-Heptane	92		88		70	130	4	25	
108-88-3	Toluene	92		82		70	130	9	25	
111-65-9	n-Octane	92		85		70	130	7	25	
108-38-3	m,p-xylene	84		81		70	130	3	25	
95-47-6	o-xylene	84		83		70	130	1	25	
108-67-8	1,3,5-Trimethylbenzene	75		90		70	130	15	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081326-GCK
Date: 08/13/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	78		82		70	130	5	25	
110-54-3	n-Hexane	81		90		70	130	9	25	
71-43-2	Benzene	77		74		70	130	3	25	
142-82-5	n-Heptane	86		82		70	130	4	25	
108-88-3	Toluene	89		78		70	130	11	25	
111-65-9	n-Octane	85		78		70	130	7	25	
108-38-3	m,p-xylene	88		81		70	130	7	25	
95-47-6	o-xylene	88		79		70	130	9	25	
108-67-8	1,3,5-Trimethylbenzene	82		79		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081926-GCK
Date: 08/19/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	112		94		70	130	18	25	
110-54-3	n-Hexane	117		99		70	130	18	25	
71-43-2	Benzene	107		88		70	130	19	25	
142-82-5	n-Heptane	120		96		70	130	24	25	
108-88-3	Toluene	111		91		70	130	21	25	
111-65-9	n-Octane	113		89		70	130	24	25	
108-38-3	m,p-xylene	121		99		70	130	22	25	
95-47-6	o-xylene	116		93		70	130	22	25	
108-67-8	1,3,5-Trimethylbenzene	128		105		70	130	23	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082026-GCK
Date: 08/20/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	100		87		70	130	14	25	
110-54-3	n-Hexane	95		92		70	130	3	25	
71-43-2	Benzene	90		84		70	130	7	25	
142-82-5	n-Heptane	101		94		70	130	7	25	
108-88-3	Toluene	109		92		70	130	17	25	
111-65-9	n-Octane	109		92		70	130	17	25	
108-38-3	m,p-xylene	113		104		70	130	9	25	
95-47-6	o-xylene	114		108		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	118		123		70	130	6	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082526-GCK
Date: 08/25/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	91		91		70	130	0	25	
110-54-3	n-Hexane	95		94		70	130	1	25	
71-43-2	Benzene	91		85		70	130	6	25	
142-82-5	n-Heptane	101		95		70	130	6	25	
108-88-3	Toluene	101		90		70	130	12	25	
111-65-9	n-Octane	99		88		70	130	11	25	
108-38-3	m,p-xylene	99		93		70	130	6	25	
95-47-6	o-xylene	92		89		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	81		93		70	130	12	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082626-GCK
Date: 08/26/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	90		90		70	130	0	25	
110-54-3	n-Hexane	94		92		70	130	1	25	
71-43-2	Benzene	90		84		70	130	6	25	
142-82-5	n-Heptane	99		95		70	130	4	25	
108-88-3	Toluene	103		85		70	130	19	25	
111-65-9	n-Octane	101		87		70	130	14	25	
108-38-3	m,p-xylene	100		81		70	130	20	25	
95-47-6	o-xylene	100		82		70	130	18	25	
108-67-8	1,3,5-Trimethylbenzene	93		78		70	130	15	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Canister: 758
QC_Batch: 082526-GCK

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 08/25/2026 **Time:** 17:15
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	34.35	2.47	7.40	42.37	
115-07-1	Propene	1.33	4.00	2.58	2.30	6.90	4.46	J
74-98-6	Propane	1.33	4.00	3.69	2.41	7.23	6.66	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	15.77	26.50	79.49	55.70	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	94.61	29.51	88.52	62.04	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 02

File Name: 2614402A
Description: T-102
Canister: 737
QC_Batch: 082526-GCK

Date Sampled: 07/20/26 **Time:** 10:05
Date Analyzed: 08/25/2026 **Time:** 17:59
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	17.20	2.47	7.40	21.22	
115-07-1	Propene	1.33	4.00	2.44	2.30	6.90	4.20	J
74-98-6	Propane	1.33	4.00	2.72	2.41	7.23	4.92	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	8.62	26.50	79.49	30.47	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	51.75	29.51	88.52	33.93	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Canister: 548
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 08/03/2026 **Time:** 16:55
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.73	2.47	7.40	31.74	
115-07-1	Propene	1.33	4.00	1.36	2.30	6.90	2.34	J
74-98-6	Propane	1.33	4.00	8.06	2.41	7.23	14.57	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.82	2.38	7.14	11.49	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.70	2.36	7.07	2.47	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.85	2.35	7.04	3.50	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.48	2.18	6.53	6.44	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.91	2.18	6.53	3.98	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.71	2.19	6.57	3.50	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.54	2.19	6.57	2.66	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	23.80	26.50	79.49	84.08	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	142.81	29.51	88.52	93.64	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 04

File Name: 2614404B
Description: T-104
Canister: 990
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 08/03/2026 **Time:** 20:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	5.32	2.30	6.91	6.12	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.80	2.47	7.40	26.89	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	5.84	2.41	7.23	10.55	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.03	2.30	6.90	2.37	J
590-18-1	c-2-Butene	1.00	3.00	1.91	2.30	6.90	4.39	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	15.54	2.30	6.90	53.62	
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	4.98	2.30	6.90	17.19	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	10.18	2.34	7.02	47.67	
142-82-5	n-Heptane	0.57	1.71	4.29	2.35	7.04	17.61	
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	2.61	2.16	6.47	9.84	
592-27-8	2-Methylheptane	0.50	1.50	0.58	2.34	7.02	2.73	J
589-81-1	3-Methylheptane	0.50	1.50	0.68	2.34	7.02	3.20	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.73	2.18	6.53	3.17	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.83	2.19	6.57	4.08	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	63.43	26.50	79.49	224.07	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	380.56	29.51	88.52	249.55	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Canister: 885
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 08/03/2026 **Time:** 21:18
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	18.56	2.30	6.91	21.37	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	10.78	2.47	7.40	13.30	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.49	2.41	7.23	6.31	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.88	2.30	6.90	4.33	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.04	2.30	6.90	2.40	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	2.06	2.30	6.90	5.93	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.76	2.36	7.07	6.23	J
96-14-0	3-Methylpentane	0.67	2.00	5.22	2.36	7.07	18.46	
110-54-3	n-Hexane	0.67	2.00	12.19	2.36	7.07	43.06	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	2.64	2.35	7.04	10.83	
71-43-2	Benzene	0.67	2.00	1.21	2.13	6.40	3.87	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	0.76	2.34	7.02	3.57	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.67	2.18	6.53	2.91	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.92	2.19	6.57	4.55	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.08	2.19	6.57	5.34	J
124-18-5	n-Decane	0.40	1.20	0.69	2.33	7.00	4.05	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.71	2.20	6.60	3.91	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	51.29	26.50	79.49	181.21	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	307.76	29.51	88.52	201.81	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Canister: 755
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 08/04/2026 **Time:** 13:14
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	20.63	2.36	7.09	60.95	
646-04-8	t-2-Pentene	0.80	2.40	3.01	2.30	6.90	8.64	
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	2.10	2.36	7.07	7.43	
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	3.84	2.30	6.90	13.24	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.40	2.34	7.02	6.56	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.81	2.18	6.53	3.53	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.66	2.18	6.53	7.22	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.67	2.18	6.53	2.92	J
111-84-2	n-Nonane	0.44	1.33	0.58	2.34	7.01	3.06	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.24	2.19	6.57	6.12	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.46	2.33	7.00	2.71	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	37.39	26.50	79.49	132.10	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	224.36	29.51	88.52	147.12	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Canister: 182
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 08/04/2026 **Time:** 14:07
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.15	2.47	7.40	29.79	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.82	2.41	7.23	6.90	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.55	2.36	7.09	4.57	J
646-04-8	t-2-Pentene	0.80	2.40	2.12	2.30	6.90	6.08	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.76	2.36	7.07	6.22	J
96-14-0	3-Methylpentane	0.67	2.00	3.73	2.36	7.07	13.19	
110-54-3	n-Hexane	0.67	2.00	17.31	2.36	7.07	61.17	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	3.89	2.35	7.04	15.97	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	41.03	26.50	79.49	144.95	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	246.17	29.51	88.52	161.42	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Canister: 551
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 08/04/2026 **Time:** 14:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.42	2.47	7.40	28.89	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.95	2.41	7.23	5.33	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.26	2.30	6.90	2.90	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.95	2.30	6.90	5.60	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.84	2.36	7.07	2.95	J
96-14-0	3-Methylpentane	0.67	2.00	0.90	2.36	7.07	3.18	J
110-54-3	n-Hexane	0.67	2.00	5.21	2.36	7.07	18.40	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.25	2.35	7.04	5.13	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	22.11	26.50	79.49	78.12	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	132.67	29.51	88.52	87.00	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Canister: 638
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 08/04/2026 **Time:** 16:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.19	2.47	7.40	38.48	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	6.47	2.41	7.23	11.70	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	3.17	2.38	7.14	7.55	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	7.47	2.13	6.40	23.91	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	1.08	2.35	7.04	4.42	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.00	2.34	7.02	4.69	J
108-88-3	Toluene	0.57	1.71	2.90	2.16	6.47	10.93	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.23	2.34	7.02	5.74	J
100-41-4	Ethylbenzene	0.50	1.50	3.96	2.18	6.53	17.22	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	4.89	2.18	6.53	21.29	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	3.08	2.18	6.53	13.42	
111-84-2	n-Nonane	0.44	1.33	2.25	2.34	7.01	11.82	
98-82-8	i-Propylbenzene	0.44	1.33	1.61	2.19	6.57	7.94	
103-65-1	n-propylbenzene	0.44	1.33	1.50	2.19	6.57	7.39	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	4.48	2.19	6.57	22.07	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	2.10	2.19	6.57	10.35	
611-14-3	2-Ethyltoluene	0.44	1.33	1.61	2.19	6.57	7.95	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	8.32	2.19	6.57	40.98	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.96	2.20	6.60	5.26	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	85.41	26.50	79.49	301.72	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	512.44	29.51	88.52	336.03	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Canister: 800
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 08/04/2026 **Time:** 17:36
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	29.34	2.47	7.40	36.20	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.45	2.41	7.23	6.24	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.01	2.30	6.90	2.32	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.11	2.36	7.07	3.92	J
110-54-3	n-Hexane	0.67	2.00	14.59	2.36	7.07	51.56	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.10	2.35	7.04	4.53	J
71-43-2	Benzene	0.67	2.00	0.87	2.13	6.40	2.79	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.81	2.19	6.57	3.98	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.46	2.19	6.57	2.28	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	34.44	26.50	79.49	121.68	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	206.66	29.51	88.52	135.51	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Canister: 645
QC_Batch: 080526-GCK

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 08/05/2026 **Time:** 13:43
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.72	2.47	7.40	32.96	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.70	2.41	7.23	6.68	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.96	2.36	7.07	3.39	J
110-54-3	n-Hexane	0.67	2.00	1.18	2.36	7.07	4.16	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	15.23	26.50	79.49	53.82	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	91.41	29.51	88.52	59.94	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 12

File Name: 2614412B
Description: T-112
Canister: 663
QC_Batch: 083126-GCK

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 08/31/2026 **Time:** 12:02
Can Factor: 1.31
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	5.24	15.72	ND	6.03	18.10	ND	ND
74-86-2	Acetylene	5.24	15.72	ND	5.58	16.75	ND	ND
74-84-0	Ethane	5.24	15.72	77.53	6.46	19.39	95.65	
115-07-1	Propene	3.49	10.48	6.00	6.03	18.08	10.35	J
74-98-6	Propane	3.49	10.48	7.30	6.31	18.94	13.20	J
75-28-5	i-Butane	2.62	7.86	ND	6.24	18.72	ND	ND
106-98-9	1-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
106-97-8	n-Butane	2.62	7.86	ND	6.24	18.72	ND	ND
624-64-6	t-2-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
590-18-1	c-2-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
78-78-4	i-Pentane	2.10	6.29	ND	6.20	18.61	ND	ND
109-67-1	1-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
109-66-0	n-Pentane	2.10	6.29	ND	6.19	18.58	ND	ND
646-04-8	t-2-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
627-20-3	c-2-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
75-83-2	2,2-Dimethylbutane	1.75	5.24	ND	6.17	18.51	ND	ND
287-92-3	Cyclopentane	2.10	6.29	ND	6.02	18.07	ND	ND
79-29-8	2,3-Dimethylbutane	1.75	5.24	ND	6.17	18.51	ND	ND
107-83-5	2-Methylpentane	1.75	5.24	ND	6.17	18.51	ND	ND
96-14-0	3-Methylpentane	1.75	5.24	ND	6.17	18.51	ND	ND
110-54-3	n-Hexane	1.75	5.24	ND	6.17	18.51	ND	ND
96-37-7	Methylcyclopentane	1.75	5.24	ND	6.03	18.08	ND	ND
108-08-7	2,4-Dimethylpentane	1.50	4.49	ND	6.15	18.44	ND	ND
71-43-2	Benzene	1.75	5.24	4.87	5.59	16.77	15.58	J
110-82-7	Cyclohexane	1.75	5.24	ND	6.03	18.08	ND	ND
591-76-4	2-Methylhexane	1.50	4.49	ND	6.15	18.44	ND	ND
565-59-3	2,3-Dimethylpentane	1.50	4.49	ND	6.15	18.44	ND	ND
589-34-4	3-Methylhexane	1.50	4.49	ND	6.15	18.44	ND	ND
540-84-1	2,2,4-Trimethylpentane	1.31	3.93	ND	6.13	18.39	ND	ND
142-82-5	n-Heptane	1.50	4.49	ND	6.15	18.44	ND	ND
108-87-2	Methylcyclohexane	1.50	4.49	ND	6.03	18.08	ND	ND
565-75-3	2,3,4-Trimethylpentane	1.31	3.93	ND	6.13	18.39	ND	ND
108-88-3	Toluene	1.50	4.49	4.17	5.65	16.95	15.75	J
592-27-8	2-Methylheptane	1.31	3.93	ND	6.13	18.39	ND	ND
589-81-1	3-Methylheptane	1.31	3.93	ND	6.13	18.39	ND	ND
111-65-9	n-Octane	1.31	3.93	ND	6.13	18.39	ND	ND
100-41-4	Ethylbenzene	1.31	3.93	2.04	5.70	17.11	8.88	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.31	3.93	2.11	5.70	17.11	9.19	J
100-42-5	Styrene	1.31	3.93	ND	5.59	16.78	ND	ND
95-47-6	o-xylene	1.31	3.93	1.68	5.70	17.11	7.30	J
111-84-2	n-Nonane	1.16	3.49	1.26	6.12	18.37	6.61	J
98-82-8	i-Propylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
103-65-1	n-propylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
620-14-4	3-Ethyltoluene	1.16	3.49	ND	5.74	17.21	ND	ND
622-96-8	4-Ethyltoluene	1.16	3.49	1.90	5.74	17.21	9.36	J
108-67-8	1,3,5-Trimethylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
611-14-3	2-Ethyltoluene	1.16	3.49	ND	5.74	17.21	ND	ND
95-63-6	1,2,4-Trimethylbenzene	1.16	3.49	4.43	5.74	17.21	21.84	
124-18-5	n-Decane	1.05	3.14	3.45	6.11	18.34	20.11	
526-73-8	1,2,3-Trimethylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
141-93-5	1,3-Diethylbenzene	1.05	3.14	ND	5.76	17.29	ND	ND
105-05-5	1,4-Diethylbenzene	1.05	3.14	ND	5.76	17.29	ND	ND
1120-21-4	Undecane	0.95	2.86	ND	6.10	18.31	ND	ND
112-40-3	Dodecane	0.87	2.62	ND	6.10	18.29	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	19.65	58.95	74.12	69.42	208.26	261.85	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	117.90	353.70	444.72	77.31	231.93	291.62	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Canister: 859
QC_Batch: 080526-GCK

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 08/05/2026 **Time:** 16:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	37.69	2.47	7.40	46.49	
115-07-1	Propene	1.33	4.00	1.56	2.30	6.90	2.69	J
74-98-6	Propane	1.33	4.00	8.25	2.41	7.23	14.91	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.01	2.30	6.90	2.32	J
106-97-8	n-Butane	1.00	3.00	5.35	2.38	7.14	12.75	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	7.47	2.13	6.40	23.91	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.15	2.34	7.02	5.40	J
108-88-3	Toluene	0.57	1.71	3.21	2.16	6.47	12.13	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.31	2.34	7.02	6.13	J
100-41-4	Ethylbenzene	0.50	1.50	4.21	2.18	6.53	18.31	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	5.29	2.18	6.53	23.03	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	3.22	2.18	6.53	14.01	
111-84-2	n-Nonane	0.44	1.33	2.32	2.34	7.01	12.20	
98-82-8	i-Propylbenzene	0.44	1.33	1.54	2.19	6.57	7.59	
103-65-1	n-propylbenzene	0.44	1.33	1.48	2.19	6.57	7.27	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	3.93	2.19	6.57	19.38	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.35	2.19	6.57	6.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	7.42	2.19	6.57	36.55	
124-18-5	n-Decane	0.40	1.20	5.16	2.33	7.00	30.08	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	91.88	26.50	79.49	324.58	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	551.27	29.51	88.52	361.49	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Canister: 529
QC_Batch: 073126-GCK

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 07/31/26 **Time:** 18:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Canister: 653
QC_Batch: 082526-GCK

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 08/25/2026 **Time:** 18:47
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.56	2.30	6.91	2.95	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	29.49	2.47	7.40	36.38	
115-07-1	Propene	1.33	4.00	3.07	2.30	6.90	5.30	J
74-98-6	Propane	1.33	4.00	3.75	2.41	7.23	6.77	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.20	2.38	7.14	2.85	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.07	2.36	7.07	14.39	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	4.49	2.35	7.04	18.46	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.57	2.16	6.47	2.16	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	8.41	2.34	7.02	39.36	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.01	2.18	6.53	4.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.06	2.19	6.57	5.22	J
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	1.22	2.19	6.57	6.03	J
622-96-8	4-Ethyltoluene	0.44	1.33	0.54	2.19	6.57	2.65	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.63	2.19	6.57	3.13	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	2.77	2.19	6.57	13.63	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.61	2.19	6.57	3.02	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.06	2.20	6.60	5.82	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.51	2.20	6.60	2.78	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	52.37	26.50	79.49	185.00	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	314.20	29.51	88.52	206.03	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Canister: 803
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 08/07/2026 **Time:** 12:22
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	30.90	2.47	7.40	38.11	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.92	2.41	7.23	7.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.79	2.36	7.07	2.78	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	15.12	26.50	79.49	53.43	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	90.74	29.51	88.52	59.50	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 17

File Name: 2614417A
Description: T-203
Canister: 668
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:37
Date Analyzed: 08/07/2026 **Time:** 13:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.90	2.47	7.40	30.72	
115-07-1	Propene	1.33	4.00	1.71	2.30	6.90	2.95	J
74-98-6	Propane	1.33	4.00	5.94	2.41	7.23	10.74	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.62	2.38	7.14	3.86	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	16.98	26.50	79.49	60.00	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	101.89	29.51	88.52	66.82	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 18

File Name: 2614418A
Description: T-204
Canister: 688
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:33
Date Analyzed: 08/07/2026 **Time:** 13:57
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	164.19	2.30	6.91	189.09	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	76.74	2.47	7.40	94.67	
115-07-1	Propene	1.33	4.00	486.94	2.30	6.90	840.16	
74-98-6	Propane	1.33	4.00	185.41	2.41	7.23	335.11	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	8.65	2.30	6.90	19.88	
106-97-8	n-Butane	1.00	3.00	119.50	2.38	7.14	284.55	
624-64-6	t-2-Butene	1.00	3.00	8.70	2.30	6.90	19.99	
590-18-1	c-2-Butene	1.00	3.00	9.51	2.30	6.90	21.87	
78-78-4	i-Pentane	0.80	2.40	145.90	2.37	7.10	431.71	
109-67-1	1-Pentene	0.80	2.40	26.90	2.30	6.90	77.29	
109-66-0	n-Pentane	0.80	2.40	29.16	2.36	7.09	86.16	
646-04-8	t-2-Pentene	0.80	2.40	6.73	2.30	6.90	19.33	
627-20-3	c-2-Pentene	0.80	2.40	5.15	2.30	6.90	14.79	
75-83-2	2,2-Dimethylbutane	0.67	2.00	7.46	2.36	7.07	26.35	
287-92-3	Cyclopentane	0.80	2.40	73.52	2.30	6.90	211.22	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	16.97	2.36	7.07	59.96	
96-14-0	3-Methylpentane	0.67	2.00	64.79	2.36	7.07	228.88	
110-54-3	n-Hexane	0.67	2.00	38.93	2.36	7.07	137.54	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	22.80	2.35	7.04	93.62	
71-43-2	Benzene	0.67	2.00	52.31	2.13	6.40	167.45	
110-82-7	Cyclohexane	0.67	2.00	34.75	2.30	6.90	119.93	
591-76-4	2-Methylhexane	0.57	1.71	27.97	2.35	7.04	114.87	
565-59-3	2,3-Dimethylpentane	0.57	1.71	23.71	2.35	7.04	97.35	
589-34-4	3-Methylhexane	0.57	1.71	44.04	2.35	7.04	180.85	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	91.28	2.34	7.02	427.22	
142-82-5	n-Heptane	0.57	1.71	115.05	2.35	7.04	472.45	
108-87-2	Methylcyclohexane	0.57	1.71	90.48	2.30	6.90	364.14	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	25.91	2.34	7.02	121.27	
108-88-3	Toluene	0.57	1.71	777.48	2.16	6.47	2,934.66	
592-27-8	2-Methylheptane	0.50	1.50	79.71	2.34	7.02	373.06	
589-81-1	3-Methylheptane	0.50	1.50	25.94	2.34	7.02	121.41	
111-65-9	n-Octane	0.50	1.50	74.84	2.34	7.02	350.29	
100-41-4	Ethylbenzene	0.50	1.50	312.58	2.18	6.53	1,360.48	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	445.27	2.18	6.53	1,938.01	
100-42-5	Styrene	0.50	1.50	66.83	2.14	6.41	285.38	
95-47-6	o-xylene	0.50	1.50	150.13	2.18	6.53	653.45	
111-84-2	n-Nonane	0.44	1.33	132.90	2.34	7.01	698.81	
98-82-8	i-Propylbenzene	0.44	1.33	38.14	2.19	6.57	187.88	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	49.15	2.19	6.57	242.11	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	32.41	2.19	6.57	159.63	
611-14-3	2-Ethyltoluene	0.44	1.33	33.63	2.19	6.57	165.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	19.01	2.33	7.00	110.89	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	3.34	2.20	6.60	18.39	
1120-21-4	Undecane	0.36	1.09	0.41	2.33	6.99	2.65	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	4,417.84	26.50	79.49	15,607.30	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	26,507.06	29.51	88.52	17,381.68	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Canister: 761
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 08/07/2026 **Time:** 14:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.85	2.30	6.91	3.28	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.93	2.47	7.40	33.22	
115-07-1	Propene	1.33	4.00	6.00	2.30	6.90	10.35	
74-98-6	Propane	1.33	4.00	6.76	2.41	7.23	12.23	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.69	2.30	6.90	3.89	J
106-97-8	n-Butane	1.00	3.00	1.57	2.38	7.14	3.73	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.81	2.16	6.47	6.81	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.25	2.18	6.53	5.44	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	2.29	2.18	6.53	9.97	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.24	2.18	6.53	5.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	6.03	2.19	6.57	29.69	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.53	2.19	6.57	7.54	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.49	2.19	6.57	2.43	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	43.25	26.50	79.49	152.78	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	259.47	29.51	88.52	170.15	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Canister: 809
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 08/26/2026 **Time:** 12:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.07	2.47	7.40	30.93	
115-07-1	Propene	1.33	4.00	4.47	2.30	6.90	7.72	
74-98-6	Propane	1.33	4.00	4.20	2.41	7.23	7.60	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	5.14	2.30	6.90	11.83	
106-97-8	n-Butane	1.00	3.00	3.07	2.38	7.14	7.32	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.95	2.36	7.07	3.36	J
110-54-3	n-Hexane	0.67	2.00	1.52	2.36	7.07	5.37	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.05	2.34	7.02	4.91	J
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.90	2.19	6.57	4.42	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.34	26.50	79.49	86.00	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	146.07	29.51	88.52	95.78	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 21

File Name: 2614421A
Description: T-207
Canister: 694
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:53
Date Analyzed: 08/07/2026 **Time:** 17:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.39	2.47	7.40	38.72	
115-07-1	Propene	1.33	4.00	2.99	2.30	6.90	5.16	J
74-98-6	Propane	1.33	4.00	6.14	2.41	7.23	11.10	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.64	2.30	6.90	3.77	J
106-97-8	n-Butane	1.00	3.00	10.19	2.38	7.14	24.27	
624-64-6	t-2-Butene	1.00	3.00	6.05	2.30	6.90	13.90	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	6.69	2.37	7.10	19.80	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	2.54	2.30	6.90	7.30	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	3.21	2.36	7.07	11.33	
110-54-3	n-Hexane	0.67	2.00	0.71	2.36	7.07	2.51	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.07	2.13	6.40	3.42	J
110-82-7	Cyclohexane	0.67	2.00	0.72	2.30	6.90	2.48	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.65	2.35	7.04	2.66	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.60	2.35	7.04	2.46	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.27	2.16	6.47	4.81	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.96	2.18	6.53	4.17	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.51	2.18	6.53	6.57	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.49	2.18	6.53	6.48	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	0.48	2.19	6.57	2.37	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.98	2.19	6.57	9.74	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.84	2.19	6.57	4.12	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.49	2.19	6.57	2.43	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	61.13	26.50	79.49	215.95	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	366.77	29.51	88.52	240.50	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Canister: 526
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 08/07/2026 **Time:** 18:25
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	8.71	2.30	6.91	10.04	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.59	2.47	7.40	38.97	
115-07-1	Propene	1.33	4.00	109.50	2.30	6.90	188.93	
74-98-6	Propane	1.33	4.00	347.67	2.41	7.23	628.37	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	84.53	2.38	7.14	201.28	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	28.66	2.37	7.10	84.82	
109-67-1	1-Pentene	0.80	2.40	5.72	2.30	6.90	16.44	
109-66-0	n-Pentane	0.80	2.40	5.92	2.36	7.09	17.48	
646-04-8	t-2-Pentene	0.80	2.40	0.99	2.30	6.90	2.84	J
627-20-3	c-2-Pentene	0.80	2.40	0.93	2.30	6.90	2.67	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.15	2.36	7.07	4.05	J
287-92-3	Cyclopentane	0.80	2.40	2.96	2.30	6.90	8.50	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	3.26	2.36	7.07	11.52	
96-14-0	3-Methylpentane	0.67	2.00	6.44	2.36	7.07	22.75	
110-54-3	n-Hexane	0.67	2.00	3.56	2.36	7.07	12.57	
96-37-7	Methylcyclopentane	0.67	2.00	2.23	2.30	6.90	7.71	
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.07	2.35	7.04	4.40	J
71-43-2	Benzene	0.67	2.00	4.64	2.13	6.40	14.87	
110-82-7	Cyclohexane	0.67	2.00	4.02	2.30	6.90	13.88	
591-76-4	2-Methylhexane	0.57	1.71	3.83	2.35	7.04	15.74	
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.83	2.35	7.04	7.53	
589-34-4	3-Methylhexane	0.57	1.71	6.37	2.35	7.04	26.16	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	10.99	2.34	7.02	51.46	
142-82-5	n-Heptane	0.57	1.71	19.92	2.35	7.04	81.80	
108-87-2	Methylcyclohexane	0.57	1.71	5.95	2.30	6.90	23.96	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	3.13	2.34	7.02	14.67	
108-88-3	Toluene	0.57	1.71	99.87	2.16	6.47	376.96	
592-27-8	2-Methylheptane	0.50	1.50	2.79	2.34	7.02	13.07	
589-81-1	3-Methylheptane	0.50	1.50	3.97	2.34	7.02	18.59	
111-65-9	n-Octane	0.50	1.50	10.65	2.34	7.02	49.84	
100-41-4	Ethylbenzene	0.50	1.50	67.07	2.18	6.53	291.94	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	110.48	2.18	6.53	480.85	
100-42-5	Styrene	0.50	1.50	2.33	2.14	6.41	9.96	
95-47-6	o-xylene	0.50	1.50	43.32	2.18	6.53	188.57	
111-84-2	n-Nonane	0.44	1.33	29.86	2.34	7.01	157.03	
98-82-8	i-Propylbenzene	0.44	1.33	10.43	2.19	6.57	51.39	
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	8.46	2.19	6.57	41.68	
622-96-8	4-Ethyltoluene	0.44	1.33	51.34	2.19	6.57	252.92	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	9.77	2.19	6.57	48.11	
611-14-3	2-Ethyltoluene	0.44	1.33	14.95	2.19	6.57	73.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	61.65	2.19	6.57	303.71	
124-18-5	n-Decane	0.40	1.20	17.38	2.33	7.00	101.35	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	5.87	2.20	6.60	32.27	
1120-21-4	Undecane	0.36	1.09	3.18	2.33	6.99	20.35	
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	1,187.63	26.50	79.49	4,195.65	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	7,125.80	29.51	88.52	4,672.65	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Canister: 856
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 08/07/2026 **Time:** 19:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	18.64	2.47	7.40	23.00	
115-07-1	Propene	1.33	4.00	4.72	2.30	6.90	8.14	
74-98-6	Propane	1.33	4.00	5.07	2.41	7.23	9.17	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.01	2.38	7.14	4.78	J
624-64-6	t-2-Butene	1.00	3.00	1.11	2.30	6.90	2.54	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.42	2.37	7.10	4.21	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.87	2.36	7.07	10.13	
110-54-3	n-Hexane	0.67	2.00	1.04	2.36	7.07	3.69	J
96-37-7	Methylcyclopentane	0.67	2.00	1.02	2.30	6.90	3.50	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.69	2.13	6.40	8.60	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.69	2.35	7.04	2.84	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.32	2.35	7.04	5.43	J
589-34-4	3-Methylhexane	0.57	1.71	0.59	2.35	7.04	2.44	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.78	2.16	6.47	6.73	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.72	2.18	6.53	7.47	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	3.07	2.18	6.53	13.35	
100-42-5	Styrene	0.50	1.50	0.96	2.14	6.41	4.10	J
95-47-6	o-xylene	0.50	1.50	1.47	2.18	6.53	6.39	J
111-84-2	n-Nonane	0.44	1.33	0.50	2.34	7.01	2.65	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.61	2.19	6.57	7.92	
622-96-8	4-Ethyltoluene	0.44	1.33	1.45	2.19	6.57	7.14	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.75	2.19	6.57	3.71	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.59	2.19	6.57	2.92	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.06	2.19	6.57	5.21	J
124-18-5	n-Decane	0.40	1.20	0.57	2.33	7.00	3.30	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.52	2.20	6.60	2.89	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	51.44	26.50	79.49	181.74	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	308.66	29.51	88.52	202.40	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Canister: 679
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 08/26/2026 **Time:** 12:53
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	24.96	2.30	6.91	28.75	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.06	2.47	7.40	3.77	J
115-07-1	Propene	1.33	4.00	2.99	2.30	6.90	5.15	J
74-98-6	Propane	1.33	4.00	4.47	2.41	7.23	8.08	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.13	2.30	6.90	2.59	J
106-97-8	n-Butane	1.00	3.00	7.99	2.38	7.14	19.02	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.41	2.30	6.90	4.04	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.66	2.36	7.07	9.40	
110-54-3	n-Hexane	0.67	2.00	1.05	2.36	7.07	3.71	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.65	2.35	7.04	2.66	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.83	2.18	6.53	3.61	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.49	2.19	6.57	7.34	
620-14-4	3-Ethyltoluene	0.44	1.33	0.58	2.19	6.57	2.88	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.34	2.19	6.57	6.58	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.63	2.19	6.57	8.02	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	34.88	26.50	79.49	123.22	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	209.27	29.51	88.52	137.22	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Canister: 762
QC_Batch: 081026-GCK

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 08/10/2026 **Time:** 12:30
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	28.66	2.47	7.40	35.35	
115-07-1	Propene	1.33	4.00	1.72	2.30	6.90	2.97	J
74-98-6	Propane	1.33	4.00	6.71	2.41	7.23	12.13	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.70	2.19	6.57	3.46	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.81	2.20	6.60	4.43	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	18.55	26.50	79.49	65.52	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	111.27	29.51	88.52	72.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Canister: 710
QC_Batch: 081026-GCK

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 08/10/2026 **Time:** 13:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	6.24	2.30	6.91	7.19	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.91	2.47	7.40	34.43	
115-07-1	Propene	1.33	4.00	21.67	2.30	6.90	37.39	
74-98-6	Propane	1.33	4.00	83.03	2.41	7.23	150.06	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	11.93	2.30	6.90	27.43	
106-97-8	n-Butane	1.00	3.00	21.47	2.38	7.14	51.13	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.65	2.37	7.10	7.83	
109-67-1	1-Pentene	0.80	2.40	4.19	2.30	6.90	12.05	
109-66-0	n-Pentane	0.80	2.40	4.26	2.36	7.09	12.60	
646-04-8	t-2-Pentene	0.80	2.40	1.89	2.30	6.90	5.44	J
627-20-3	c-2-Pentene	0.80	2.40	1.06	2.30	6.90	3.04	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.54	2.36	7.07	5.43	J
287-92-3	Cyclopentane	0.80	2.40	1.73	2.30	6.90	4.96	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.57	2.36	7.07	9.07	
96-14-0	3-Methylpentane	0.67	2.00	3.69	2.36	7.07	13.05	
110-54-3	n-Hexane	0.67	2.00	4.67	2.36	7.07	16.49	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.17	2.35	7.04	4.79	J
71-43-2	Benzene	0.67	2.00	4.22	2.13	6.40	13.49	
110-82-7	Cyclohexane	0.67	2.00	2.84	2.30	6.90	9.78	
591-76-4	2-Methylhexane	0.57	1.71	1.06	2.35	7.04	4.37	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.96	2.35	7.04	3.96	J
589-34-4	3-Methylhexane	0.57	1.71	1.95	2.35	7.04	8.00	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	12.70	2.34	7.02	59.45	
142-82-5	n-Heptane	0.57	1.71	6.40	2.35	7.04	26.29	
108-87-2	Methylcyclohexane	0.57	1.71	11.47	2.30	6.90	46.17	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	2.51	2.34	7.02	11.76	
108-88-3	Toluene	0.57	1.71	89.18	2.16	6.47	336.61	
592-27-8	2-Methylheptane	0.50	1.50	5.94	2.34	7.02	27.82	
589-81-1	3-Methylheptane	0.50	1.50	5.50	2.34	7.02	25.75	
111-65-9	n-Octane	0.50	1.50	4.49	2.34	7.02	21.00	
100-41-4	Ethylbenzene	0.50	1.50	100.23	2.18	6.53	436.24	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	140.42	2.18	6.53	611.16	
100-42-5	Styrene	0.50	1.50	7.65	2.14	6.41	32.69	
95-47-6	o-xylene	0.50	1.50	95.35	2.18	6.53	415.02	
111-84-2	n-Nonane	0.44	1.33	12.74	2.34	7.01	66.98	
98-82-8	i-Propylbenzene	0.44	1.33	28.86	2.19	6.57	142.16	
103-65-1	n-propylbenzene	0.44	1.33	19.48	2.19	6.57	95.98	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	26.95	2.19	6.57	132.74	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	20.21	2.19	6.57	99.58	
611-14-3	2-Ethyltoluene	0.44	1.33	56.71	2.19	6.57	279.34	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	60.06	2.19	6.57	295.86	
124-18-5	n-Decane	0.40	1.20	39.45	2.33	7.00	230.07	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	17.25	2.20	6.60	94.90	
105-05-5	1,4-Diethylbenzene	0.40	1.20	20.84	2.20	6.60	114.65	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	1,217.14	26.50	79.49	4,299.90	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	7,302.84	29.51	88.52	4,788.75	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 27

File Name: 2614427B
Description: T-213
Canister: 655
QC_Batch: 083126-GCK

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 08/31/2026 **Time:** 12:51
Can Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	4.00	12.00	ND	4.61	13.82	ND	ND
74-86-2	Acetylene	4.00	12.00	ND	4.26	12.79	ND	ND
74-84-0	Ethane	4.00	12.00	77.48	4.93	14.80	95.58	
115-07-1	Propene	2.67	8.00	16.78	4.60	13.80	28.94	
74-98-6	Propane	2.67	8.00	54.58	4.82	14.46	98.65	
75-28-5	i-Butane	2.00	6.00	ND	4.76	14.29	ND	ND
106-98-9	1-Butene	2.00	6.00	5.19	4.60	13.80	11.94	J
106-97-8	n-Butane	2.00	6.00	15.86	4.76	14.29	37.77	
624-64-6	t-2-Butene	2.00	6.00	ND	4.60	13.80	ND	ND
590-18-1	c-2-Butene	2.00	6.00	2.55	4.60	13.80	5.87	J
78-78-4	i-Pentane	1.60	4.80	3.45	4.73	14.20	10.20	J
109-67-1	1-Pentene	1.60	4.80	6.13	4.60	13.79	17.61	
109-66-0	n-Pentane	1.60	4.80	4.87	4.73	14.18	14.40	
646-04-8	t-2-Pentene	1.60	4.80	ND	4.60	13.79	ND	ND
627-20-3	c-2-Pentene	1.60	4.80	3.02	4.60	13.79	8.68	J
75-83-2	2,2-Dimethylbutane	1.33	4.00	2.75	4.71	14.13	9.73	J
287-92-3	Cyclopentane	1.60	4.80	5.73	4.60	13.79	16.46	
79-29-8	2,3-Dimethylbutane	1.33	4.00	ND	4.71	14.13	ND	ND
107-83-5	2-Methylpentane	1.33	4.00	2.41	4.71	14.13	8.53	J
96-14-0	3-Methylpentane	1.33	4.00	2.59	4.71	14.13	9.14	J
110-54-3	n-Hexane	1.33	4.00	4.92	4.71	14.13	17.37	
96-37-7	Methylcyclopentane	1.33	4.00	ND	4.60	13.80	ND	ND
108-08-7	2,4-Dimethylpentane	1.14	3.43	1.41	4.69	14.08	5.79	J
71-43-2	Benzene	1.33	4.00	7.09	4.27	12.80	22.70	
110-82-7	Cyclohexane	1.33	4.00	2.30	4.60	13.80	7.93	J
591-76-4	2-Methylhexane	1.14	3.43	ND	4.69	14.08	ND	ND
565-59-3	2,3-Dimethylpentane	1.14	3.43	ND	4.69	14.08	ND	ND
589-34-4	3-Methylhexane	1.14	3.43	2.92	4.69	14.08	11.99	J
540-84-1	2,2,4-Trimethylpentane	1.00	3.00	9.19	4.68	14.04	43.02	
142-82-5	n-Heptane	1.14	3.43	4.91	4.69	14.08	20.18	
108-87-2	Methylcyclohexane	1.14	3.43	8.45	4.60	13.80	34.00	
565-75-3	2,3,4-Trimethylpentane	1.00	3.00	1.49	4.68	14.04	6.97	J
108-88-3	Toluene	1.14	3.43	55.13	4.31	12.94	208.10	
592-27-8	2-Methylheptane	1.00	3.00	4.58	4.68	14.04	21.44	
589-81-1	3-Methylheptane	1.00	3.00	4.94	4.68	14.04	23.14	
111-65-9	n-Octane	1.00	3.00	3.30	4.68	14.04	15.46	
100-41-4	Ethylbenzene	1.00	3.00	63.94	4.35	13.06	278.32	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.00	3.00	94.06	4.35	13.06	409.41	
100-42-5	Styrene	1.00	3.00	6.55	4.27	12.81	27.96	
95-47-6	o-xylene	1.00	3.00	59.63	4.35	13.06	259.55	
111-84-2	n-Nonane	0.89	2.67	7.06	4.67	14.02	37.14	
98-82-8	i-Propylbenzene	0.89	2.67	22.01	4.38	13.14	108.43	
103-65-1	n-propylbenzene	0.89	2.67	22.76	4.38	13.14	112.15	
620-14-4	3-Ethyltoluene	0.89	2.67	ND	4.38	13.14	ND	ND
622-96-8	4-Ethyltoluene	0.89	2.67	18.62	4.38	13.14	91.73	
108-67-8	1,3,5-Trimethylbenzene	0.89	2.67	18.62	4.38	13.14	91.73	
611-14-3	2-Ethyltoluene	0.89	2.67	39.24	4.38	13.14	193.31	
95-63-6	1,2,4-Trimethylbenzene	0.89	2.67	64.21	4.38	13.14	316.31	
124-18-5	n-Decane	0.80	2.40	41.66	4.67	14.00	242.98	
526-73-8	1,2,3-Trimethylbenzene	0.89	2.67	ND	4.38	13.14	ND	ND
141-93-5	1,3-Diethylbenzene	0.80	2.40	34.37	4.40	13.20	189.04	
105-05-5	1,4-Diethylbenzene	0.80	2.40	39.28	4.40	13.20	216.03	
1120-21-4	Undecane	0.73	2.18	1.39	4.66	13.98	8.90	J
112-40-3	Dodecane	0.67	2.00	ND	4.65	13.96	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	15.00	45.00	1,020.87	52.99	158.98	3,606.51	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	90.00	270.00	6,125.21	59.02	177.05	4,016.53	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Canister: 692
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 08/26/2026 **Time:** 13:39
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	3.07	2.30	6.90	5.30	J
74-98-6	Propane	1.33	4.00	3.37	2.41	7.23	6.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.82	2.36	7.07	2.91	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Canister: 659
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 08/10/2026 **Time:** 16:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	24.63	2.30	6.91	28.37	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.20	2.41	7.23	13.01	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.45	2.38	7.14	5.83	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.02	2.37	7.10	8.94	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.14	2.36	7.07	7.57	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	0.54	2.34	7.02	2.55	J
589-81-1	3-Methylheptane	0.50	1.50	1.68	2.34	7.02	7.86	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.45	2.20	6.60	2.46	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	27.59	26.50	79.49	97.47	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	165.54	29.51	88.52	108.55	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 30

File Name: 2614430A
Description: T-302
Canister: 897
QC_Batch: 082626-GCK

Date Sampled: 07/22/26 **Time:** 8:28
Date Analyzed: 08/26/2026 **Time:** 14:24
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.32	2.47	7.40	30.01	
115-07-1	Propene	1.33	4.00	2.93	2.30	6.90	5.06	J
74-98-6	Propane	1.33	4.00	3.62	2.41	7.23	6.54	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.70	2.36	7.07	2.46	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.70	26.50	79.49	44.86	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	76.18	29.51	88.52	49.95	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Canister: 754
QC_Batch: 082726-GCK

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 08/27/2026 **Time:** 12:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.21	2.47	7.40	31.10	
115-07-1	Propene	1.33	4.00	2.43	2.30	6.90	4.20	J
74-98-6	Propane	1.33	4.00	2.87	2.41	7.23	5.19	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.29	26.50	79.49	43.43	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	73.76	29.51	88.52	48.36	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Canister: 745
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 08/10/2026 **Time:** 19:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.03	2.47	7.40	29.65	
115-07-1	Propene	1.33	4.00	1.69	2.30	6.90	2.92	J
74-98-6	Propane	1.33	4.00	4.47	2.41	7.23	8.08	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	4.15	2.30	6.90	9.54	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	82.23	2.36	7.09	242.98	
646-04-8	t-2-Pentene	0.80	2.40	64.20	2.30	6.90	184.44	
627-20-3	c-2-Pentene	0.80	2.40	143.62	2.30	6.90	412.63	
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	1.14	2.30	6.90	3.93	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.77	2.16	6.47	2.92	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	0.56	2.34	7.02	2.63	J
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	3.81	2.14	6.41	16.25	
95-47-6	o-xylene	0.50	1.50	2.68	2.18	6.53	11.67	
111-84-2	n-Nonane	0.44	1.33	0.57	2.34	7.01	2.98	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.81	2.19	6.57	8.94	
622-96-8	4-Ethyltoluene	0.44	1.33	0.74	2.19	6.57	3.64	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.03	2.19	6.57	5.05	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.62	2.20	6.60	3.38	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.62	2.20	6.60	3.39	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	277.73	26.50	79.49	981.18	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	1,666.40	29.51	88.52	1,092.72	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 33

File Name: 2614433A
Description: T-305
Canister: 741
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 9:58
Date Analyzed: 08/10/2026 **Time:** 20:17
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.40	2.30	6.91	2.77	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.55	2.41	7.23	4.60	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.33	2.30	6.90	3.05	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.28	2.30	6.90	2.95	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	96.02	2.37	7.10	284.13	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.87	2.36	7.07	10.12	
96-14-0	3-Methylpentane	0.67	2.00	5.89	2.36	7.07	20.81	
110-54-3	n-Hexane	0.67	2.00	28.32	2.36	7.07	100.05	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	6.18	2.35	7.04	25.38	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	131.45	26.50	79.49	464.38	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	788.69	29.51	88.52	517.18	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 34

File Name: 2614434A
Description: T-306
Canister: 708
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 08/11/2026 **Time:** 12:32
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	28.26	2.47	7.40	34.86	
115-07-1	Propene	1.33	4.00	2.41	2.30	6.90	4.17	J
74-98-6	Propane	1.33	4.00	13.53	2.41	7.23	24.46	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	3.50	2.30	6.90	8.06	
106-97-8	n-Butane	1.00	3.00	8.67	2.38	7.14	20.64	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	0.96	2.37	7.10	2.85	J
109-67-1	1-Pentene	0.80	2.40	0.82	2.30	6.90	2.35	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.55	2.36	7.07	16.06	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.78	2.13	6.40	2.51	J
110-82-7	Cyclohexane	0.67	2.00	1.65	2.30	6.90	5.71	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	4.10	2.35	7.04	16.85	
589-34-4	3-Methylhexane	0.57	1.71	1.84	2.35	7.04	7.56	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.33	2.34	7.02	6.24	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.53	2.34	7.02	7.15	
589-81-1	3-Methylheptane	0.50	1.50	4.41	2.34	7.02	20.66	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.64	2.18	6.53	2.80	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.70	2.18	6.53	3.05	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.36	2.19	6.57	6.68	
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.81	2.19	6.57	8.94	
622-96-8	4-Ethyltoluene	0.44	1.33	0.86	2.19	6.57	4.24	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.15	2.19	6.57	5.68	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.23	2.19	6.57	6.05	J
124-18-5	n-Decane	0.40	1.20	2.29	2.33	7.00	13.38	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.99	2.19	6.57	4.88	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.53	2.20	6.60	13.89	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	75.72	26.50	79.49	267.50	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	454.31	29.51	88.52	297.91	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Canister: 698
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 08/11/2026 **Time:** 13:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	13.49	2.47	7.40	16.64	
115-07-1	Propene	1.33	4.00	2.13	2.30	6.90	3.67	J
74-98-6	Propane	1.33	4.00	23.06	2.41	7.23	41.68	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.18	2.38	7.14	5.20	J
624-64-6	t-2-Butene	1.00	3.00	1.15	2.30	6.90	2.63	J
590-18-1	c-2-Butene	1.00	3.00	1.06	2.30	6.90	2.45	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	2.38	2.30	6.90	6.83	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.16	26.50	79.49	85.35	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	144.96	29.51	88.52	95.05	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 36

File Name: 2614436A
Description: T-308
Canister: 608
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 9:59
Date Analyzed: 08/11/2026 **Time:** 14:12
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	139.56	2.30	6.90	240.79	
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	53.36	2.38	7.14	127.06	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	15.04	2.30	6.90	34.58	
78-78-4	i-Pentane	0.80	2.40	51.07	2.37	7.10	151.12	
109-67-1	1-Pentene	0.80	2.40	4.67	2.30	6.90	13.41	
109-66-0	n-Pentane	0.80	2.40	18.29	2.36	7.09	54.05	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	83.49	2.30	6.90	239.87	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.96	2.36	7.07	17.51	
110-54-3	n-Hexane	0.67	2.00	59.51	2.36	7.07	210.24	
96-37-7	Methylcyclopentane	0.67	2.00	51.98	2.30	6.90	179.39	
108-08-7	2,4-Dimethylpentane	0.57	1.71	7.27	2.35	7.04	29.85	
71-43-2	Benzene	0.67	2.00	22.04	2.13	6.40	70.53	
110-82-7	Cyclohexane	0.67	2.00	51.25	2.30	6.90	176.87	
591-76-4	2-Methylhexane	0.57	1.71	16.16	2.35	7.04	66.35	
565-59-3	2,3-Dimethylpentane	0.57	1.71	5.91	2.35	7.04	24.27	
589-34-4	3-Methylhexane	0.57	1.71	0.99	2.35	7.04	4.08	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	74.96	2.35	7.04	307.81	
108-87-2	Methylcyclohexane	0.57	1.71	27.00	2.30	6.90	108.65	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	26.80	2.34	7.02	125.42	
108-88-3	Toluene	0.57	1.71	20.13	2.16	6.47	75.97	
592-27-8	2-Methylheptane	0.50	1.50	17.61	2.34	7.02	82.42	
589-81-1	3-Methylheptane	0.50	1.50	14.02	2.34	7.02	65.62	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	22.08	2.18	6.53	96.11	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	28.73	2.18	6.53	125.03	
100-42-5	Styrene	0.50	1.50	19.72	2.14	6.41	84.23	
95-47-6	o-xylene	0.50	1.50	9.32	2.18	6.53	40.58	
111-84-2	n-Nonane	0.44	1.33	3.01	2.34	7.01	15.85	
98-82-8	i-Propylbenzene	0.44	1.33	5.09	2.19	6.57	25.06	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	5.34	2.19	6.57	26.31	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	8.48	2.19	6.57	41.80	
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	3.31	2.19	6.57	16.29	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	2.40	2.19	6.57	11.82	
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.63	2.20	6.60	3.46	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	1.83	2.20	6.60	10.04	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	844.11	26.50	79.49	2,982.08	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	5,064.69	29.51	88.52	3,321.11	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Canister: 647
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 08/11/2026 **Time:** 16:47
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.49	2.30	6.91	2.87	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.51	2.47	7.40	33.93	
115-07-1	Propene	1.33	4.00	1.42	2.30	6.90	2.45	J
74-98-6	Propane	1.33	4.00	8.58	2.41	7.23	15.50	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.00	2.30	6.90	4.61	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.89	2.36	7.07	3.14	J
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	3.56	2.35	7.04	14.62	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.58	2.35	7.04	2.38	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	0.88	2.30	6.90	3.53	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.91	2.18	6.53	3.97	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	2.90	2.18	6.53	12.60	
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	0.80	2.19	6.57	3.92	J
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.39	2.19	6.57	6.84	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.12	2.20	6.60	6.14	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.49	2.20	6.60	2.72	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	38.39	26.50	79.49	135.62	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	230.34	29.51	88.52	151.04	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Canister: 654
QC_Batch: 082726-GCK

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 08/27/2026 **Time:** 13:27
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.29	2.47	7.40	26.27	
115-07-1	Propene	1.33	4.00	2.66	2.30	6.90	4.59	J
74-98-6	Propane	1.33	4.00	2.87	2.41	7.23	5.19	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.28	2.36	7.07	4.53	J
110-54-3	n-Hexane	0.67	2.00	0.92	2.36	7.07	3.25	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.30	2.13	6.40	4.17	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	8.81	2.35	7.04	36.17	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.83	2.19	6.57	4.08	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	27.04	26.50	79.49	95.53	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	162.25	29.51	88.52	106.39	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 39

File Name: 2614439A
Description: T-311
Canister: 605
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 11:15
Date Analyzed: 08/11/2026 **Time:** 20:42
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.56	2.47	7.40	30.29	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.70	2.41	7.23	13.92	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.20	2.30	6.90	2.76	J
106-97-8	n-Butane	1.00	3.00	1.81	2.38	7.14	4.32	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.03	2.37	7.10	3.06	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.70	2.36	7.07	9.55	
110-54-3	n-Hexane	0.67	2.00	4.76	2.36	7.07	16.82	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	0.82	2.35	7.04	3.36	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.66	2.35	7.04	6.81	J
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	1.08	2.34	7.02	5.03	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.62	2.18	6.53	2.68	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.84	2.19	6.57	4.15	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.74	2.19	6.57	3.64	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.55	2.19	6.57	2.72	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.14	2.19	6.57	5.61	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.38	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	35.66	26.50	79.49	125.97	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	213.94	29.51	88.52	140.29	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Canister: 730
QC_Batch: 081226-GCK

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 08/12/2026 **Time:** 12:00
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.10	2.47	7.40	33.43	
115-07-1	Propene	1.33	4.00	2.96	2.30	6.90	5.11	J
74-98-6	Propane	1.33	4.00	3.72	2.41	7.23	6.73	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.38	26.50	79.49	43.72	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	74.26	29.51	88.52	48.69	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Canister: 766
QC_Batch: 081226-GCK

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 08/12/2026 **Time:** 12:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	12.40	2.47	7.40	15.30	
115-07-1	Propene	1.33	4.00	2.07	2.30	6.90	3.58	J
74-98-6	Propane	1.33	4.00	4.17	2.41	7.23	7.54	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	8.22	26.50	79.49	29.02	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	49.29	29.51	88.52	32.32	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Canister: 662
QC_Batch: 073126-GCK

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 07/31/26 **Time:** 20:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Canister: 643
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 08/12/2026 **Time:** 13:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.64	2.47	7.40	29.16	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.97	2.41	7.23	5.36	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	10.63	26.50	79.49	37.57	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	63.80	29.51	88.52	41.84	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Canister: 740
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 08/12/2026 **Time:** 14:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.61	2.30	6.91	4.16	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.80	2.47	7.40	39.23	
115-07-1	Propene	1.33	4.00	1.79	2.30	6.90	3.09	J
74-98-6	Propane	1.33	4.00	21.06	2.41	7.23	38.07	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	11.49	2.38	7.14	27.36	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.83	2.37	7.10	8.37	
109-67-1	1-Pentene	0.80	2.40	1.08	2.30	6.90	3.09	J
109-66-0	n-Pentane	0.80	2.40	0.94	2.36	7.09	2.78	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	0.74	2.30	6.90	2.54	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	3.55	2.34	7.02	16.63	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.27	2.16	6.47	4.80	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.47	2.19	6.57	2.32	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	47.36	26.50	79.49	167.33	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	284.18	29.51	88.52	186.35	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Canister: 699
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 08/12/2026 **Time:** 16:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	22.58	2.47	7.40	27.85	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	5.98	2.41	7.23	10.80	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.23	2.38	7.14	5.30	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.59	2.16	6.47	2.24	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.73	26.50	79.49	48.49	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	82.36	29.51	88.52	54.00	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Canister: 618
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 08/12/2026 **Time:** 17:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	30.04	2.30	6.91	34.60	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.64	2.47	7.40	6.96	J
115-07-1	Propene	1.33	4.00	8.35	2.30	6.90	14.40	
74-98-6	Propane	1.33	4.00	20.22	2.41	7.23	36.55	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	15.54	2.38	7.14	36.99	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	9.06	2.37	7.10	26.80	
109-67-1	1-Pentene	0.80	2.40	2.63	2.30	6.90	7.54	
109-66-0	n-Pentane	0.80	2.40	1.63	2.36	7.09	4.80	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.91	2.36	7.07	3.20	J
96-14-0	3-Methylpentane	0.67	2.00	0.94	2.36	7.07	3.33	J
110-54-3	n-Hexane	0.67	2.00	1.28	2.36	7.07	4.52	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.21	2.13	6.40	3.89	J
110-82-7	Cyclohexane	0.67	2.00	2.24	2.30	6.90	7.74	
591-76-4	2-Methylhexane	0.57	1.71	0.80	2.35	7.04	3.29	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.76	2.35	7.04	3.12	J
589-34-4	3-Methylhexane	0.57	1.71	1.23	2.35	7.04	5.03	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	6.53	2.34	7.02	30.58	
142-82-5	n-Heptane	0.57	1.71	0.95	2.35	7.04	3.89	J
108-87-2	Methylcyclohexane	0.57	1.71	2.47	2.30	6.90	9.94	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.84	2.34	7.02	8.63	
108-88-3	Toluene	0.57	1.71	5.67	2.16	6.47	21.41	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.20	2.34	7.02	5.63	J
100-41-4	Ethylbenzene	0.50	1.50	0.58	2.18	6.53	2.51	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.35	2.18	6.53	5.87	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	2.01	2.18	6.53	8.77	
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.62	2.19	6.57	3.05	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.37	2.19	6.57	6.77	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.60	2.20	6.60	3.29	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	92.10	26.50	79.49	325.38	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	552.62	29.51	88.52	362.37	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 47

File Name: 2614447A
Description: T-405
Canister: 849
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:59
Date Analyzed: 08/12/2026 **Time:** 18:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.45	2.47	7.40	32.63	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.90	2.41	7.23	5.24	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.76	26.50	79.49	48.62	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	82.58	29.51	88.52	54.15	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Canister: 506
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 08/12/2026 **Time:** 19:12
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.14	2.47	7.40	2.64	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.02	2.38	7.14	2.42	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.53	2.37	7.10	4.52	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.35	2.36	7.07	8.32	
110-54-3	n-Hexane	0.67	2.00	0.70	2.36	7.07	2.49	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.22	2.34	7.02	5.69	J
108-88-3	Toluene	0.57	1.71	3.77	2.16	6.47	14.23	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	0.51	2.14	6.41	2.17	J
95-47-6	o-xylene	0.50	1.50	0.51	2.18	6.53	2.22	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.89	2.19	6.57	4.36	J
124-18-5	n-Decane	0.40	1.20	0.42	2.33	7.00	2.43	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	19.27	26.50	79.49	68.08	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	115.63	29.51	88.52	75.82	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 49

File Name: 2614449A
Description: T-407
Canister: 823
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 10:07
Date Analyzed: 08/12/2026 **Time:** 19:54
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.10	2.47	7.40	26.03	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.72	2.41	7.23	4.92	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.70	2.36	7.07	2.49	J
96-14-0	3-Methylpentane	0.67	2.00	2.92	2.36	7.07	10.33	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	3.10	2.35	7.04	12.71	
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.85	2.16	6.47	3.19	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	0.56	2.34	7.02	2.61	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	19.44	26.50	79.49	68.68	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	116.64	29.51	88.52	76.49	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 50

File Name: 2614450A
Description: T-408
Canister: 789
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 10:11
Date Analyzed: 08/13/2026 **Time:** 12:11
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	12.64	2.30	6.91	14.56	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	34.61	2.47	7.40	42.70	
115-07-1	Propene	1.33	4.00	5.69	2.30	6.90	9.82	
74-98-6	Propane	1.33	4.00	23.39	2.41	7.23	42.27	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.27	2.38	7.14	5.41	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.28	2.37	7.10	6.75	J
109-67-1	1-Pentene	0.80	2.40	1.55	2.30	6.90	4.46	J
109-66-0	n-Pentane	0.80	2.40	1.74	2.36	7.09	5.15	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.33	2.36	7.07	4.69	J
96-14-0	3-Methylpentane	0.67	2.00	1.24	2.36	7.07	4.39	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	1.08	2.30	6.90	3.73	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.26	2.35	7.04	5.19	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	1.55	2.30	6.90	5.34	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.63	2.35	7.04	2.60	J
589-34-4	3-Methylhexane	0.57	1.71	0.68	2.35	7.04	2.78	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	2.36	2.30	6.90	9.49	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.14	2.34	7.02	5.36	J
108-88-3	Toluene	0.57	1.71	1.64	2.16	6.47	6.20	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.54	2.18	6.53	2.35	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	0.74	2.19	6.57	3.64	J
103-65-1	n-propylbenzene	0.44	1.33	0.82	2.19	6.57	4.05	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.52	2.19	6.57	2.56	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.46	2.19	6.57	2.29	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	57.03	26.50	79.49	201.46	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	342.15	29.51	88.52	224.36	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 51

File Name: 2614451A
Description: T-409
Canister: 732
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:10
Date Analyzed: 08/13/2026 **Time:** 12:58
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.09	2.47	7.40	32.19	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.07	2.16	6.47	4.03	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.62	26.50	79.49	51.64	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	87.70	29.51	88.52	57.51	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Canister: 709
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 08/13/2026 **Time:** 13:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	13.63	2.30	6.91	15.69	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.18	2.47	7.40	7.62	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.59	2.41	7.23	6.48	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.75	2.13	6.40	2.40	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.68	2.35	7.04	2.78	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.01	2.19	6.57	5.00	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.53	2.19	6.57	7.55	
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	17.43	26.50	79.49	61.59	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	104.60	29.51	88.52	68.59	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 53

File Name: 2614453A
Description: T-411
Canister: 750
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 08/13/2026 **Time:** 14:42
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	15.48	2.47	7.40	19.10	
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.51	J
74-98-6	Propane	1.33	4.00	6.46	2.41	7.23	11.68	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.02	2.38	7.14	9.57	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	27.75	2.36	7.07	98.02	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	22.33	2.35	7.04	91.69	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	17.27	2.34	7.02	80.81	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.94	2.34	7.02	9.07	
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.76	2.18	6.53	3.30	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.10	2.18	6.53	4.77	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.13	2.19	6.57	5.58	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	96.19	26.50	79.49	339.82	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	577.13	29.51	88.52	378.45	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 54

File Name: 2614454B
Description: T-412
Canister: 503
QC_Batch: 083126-GCK

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 08/31/2026 **Time:** 13:34
Can Factor: 1.51
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	6.04	18.12	ND	6.96	20.87	ND	ND
74-86-2	Acetylene	6.04	18.12	ND	6.44	19.31	ND	ND
74-84-0	Ethane	6.04	18.12	310.55	7.45	22.35	383.09	
115-07-1	Propene	4.03	12.08	280.21	6.95	20.84	483.48	
74-98-6	Propane	4.03	12.08	773.76	7.28	21.83	1,398.48	
75-28-5	i-Butane	3.02	9.06	4.42	7.19	21.57	10.52	J
106-98-9	1-Butene	3.02	9.06	ND	6.94	20.83	ND	ND
106-97-8	n-Butane	3.02	9.06	349.70	7.19	21.57	832.68	
624-64-6	t-2-Butene	3.02	9.06	73.76	6.94	20.83	169.58	
590-18-1	c-2-Butene	3.02	9.06	40.18	6.94	20.83	92.38	
78-78-4	i-Pentane	2.42	7.25	192.71	7.15	21.45	570.24	
109-67-1	1-Pentene	2.42	7.25	68.90	6.94	20.82	197.94	
109-66-0	n-Pentane	2.42	7.25	7.24	7.14	21.42	21.40	J
646-04-8	t-2-Pentene	2.42	7.25	ND	6.94	20.82	ND	ND
627-20-3	c-2-Pentene	2.42	7.25	33.91	6.94	20.82	97.43	
75-83-2	2,2-Dimethylbutane	2.01	6.04	3.96	7.11	21.34	14.00	J
287-92-3	Cyclopentane	2.42	7.25	196.36	6.94	20.82	564.12	
79-29-8	2,3-Dimethylbutane	2.01	6.04	ND	7.11	21.34	ND	ND
107-83-5	2-Methylpentane	2.01	6.04	65.87	7.11	21.34	232.70	
96-14-0	3-Methylpentane	2.01	6.04	68.91	7.11	21.34	243.44	
110-54-3	n-Hexane	2.01	6.04	41.90	7.11	21.34	148.01	
96-37-7	Methylcyclopentane	2.01	6.04	ND	6.95	20.84	ND	ND
108-08-7	2,4-Dimethylpentane	1.73	5.18	30.77	7.09	21.26	126.35	
71-43-2	Benzene	2.01	6.04	27.04	6.44	19.33	86.56	
110-82-7	Cyclohexane	2.01	6.04	22.11	6.95	20.84	76.31	
591-76-4	2-Methylhexane	1.73	5.18	14.13	7.09	21.26	58.03	
565-59-3	2,3-Dimethylpentane	1.73	5.18	8.90	7.09	21.26	36.56	
589-34-4	3-Methylhexane	1.73	5.18	24.25	7.09	21.26	99.59	
540-84-1	2,2,4-Trimethylpentane	1.51	4.53	71.27	7.07	21.20	333.56	
142-82-5	n-Heptane	1.73	5.18	66.29	7.09	21.26	272.21	
108-87-2	Methylcyclohexane	1.73	5.18	58.64	6.95	20.84	236.01	
565-75-3	2,3,4-Trimethylpentane	1.51	4.53	15.30	7.07	21.20	71.60	
108-88-3	Toluene	1.73	5.18	52.54	6.51	19.54	198.33	
592-27-8	2-Methylheptane	1.51	4.53	10.57	7.07	21.20	49.47	
589-81-1	3-Methylheptane	1.51	4.53	6.66	7.07	21.20	31.19	
111-65-9	n-Octane	1.51	4.53	10.02	7.07	21.20	46.89	
100-41-4	Ethylbenzene	1.51	4.53	24.57	6.57	19.72	106.94	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.51	4.53	44.97	6.57	19.72	195.74	
100-42-5	Styrene	1.51	4.53	19.89	6.45	19.35	84.92	
95-47-6	o-xylene	1.51	4.53	29.30	6.57	19.72	127.53	
111-84-2	n-Nonane	1.34	4.03	16.21	7.06	21.17	85.25	
98-82-8	i-Propylbenzene	1.34	4.03	10.07	6.61	19.84	49.62	
103-65-1	n-propylbenzene	1.34	4.03	ND	6.61	19.84	ND	ND
620-14-4	3-Ethyltoluene	1.34	4.03	ND	6.61	19.84	ND	ND
622-96-8	4-Ethyltoluene	1.34	4.03	73.90	6.61	19.84	364.05	
108-67-8	1,3,5-Trimethylbenzene	1.34	4.03	15.15	6.61	19.84	74.65	
611-14-3	2-Ethyltoluene	1.34	4.03	20.19	6.61	19.84	99.48	
95-63-6	1,2,4-Trimethylbenzene	1.34	4.03	35.74	6.61	19.84	176.07	
124-18-5	n-Decane	1.21	3.62	ND	7.05	21.14	ND	ND
526-73-8	1,2,3-Trimethylbenzene	1.34	4.03	ND	6.61	19.84	ND	ND
141-93-5	1,3-Diethylbenzene	1.21	3.62	11.36	6.64	19.93	62.47	
105-05-5	1,4-Diethylbenzene	1.21	3.62	2.84	6.64	19.93	15.64	J
1120-21-4	Undecane	1.10	3.29	ND	7.03	21.10	ND	ND
112-40-3	Dodecane	1.01	3.02	ND	7.03	21.08	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	22.65	67.95	2,479.26	80.02	240.05	8,758.70	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	135.90	407.70	14,875.57	89.11	267.34	9,754.47	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 55

File Name: 2614455A
Description: T-413
Canister: 695
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 08/13/2026 **Time:** 17:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.45	2.30	6.91	2.82	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	168.66	2.47	7.40	208.06	
115-07-1	Propene	1.33	4.00	177.78	2.30	6.90	306.74	
74-98-6	Propane	1.33	4.00	561.37	2.41	7.23	1,014.61	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.70	2.30	6.90	6.20	J
106-97-8	n-Butane	1.00	3.00	383.14	2.38	7.14	912.32	
624-64-6	t-2-Butene	1.00	3.00	84.65	2.30	6.90	194.62	
590-18-1	c-2-Butene	1.00	3.00	25.08	2.30	6.90	57.65	
78-78-4	i-Pentane	0.80	2.40	112.81	2.37	7.10	333.80	
109-67-1	1-Pentene	0.80	2.40	68.50	2.30	6.90	196.78	
109-66-0	n-Pentane	0.80	2.40	43.80	2.36	7.09	129.42	
646-04-8	t-2-Pentene	0.80	2.40	10.36	2.30	6.90	29.75	
627-20-3	c-2-Pentene	0.80	2.40	3.63	2.30	6.90	10.43	
75-83-2	2,2-Dimethylbutane	0.67	2.00	10.64	2.36	7.07	37.58	
287-92-3	Cyclopentane	0.80	2.40	146.67	2.30	6.90	421.37	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	92.04	2.36	7.07	325.15	
96-14-0	3-Methylpentane	0.67	2.00	63.55	2.36	7.07	224.51	
110-54-3	n-Hexane	0.67	2.00	98.50	2.36	7.07	347.97	
96-37-7	Methylcyclopentane	0.67	2.00	3.85	2.30	6.90	13.27	
108-08-7	2,4-Dimethylpentane	0.57	1.71	68.30	2.35	7.04	280.48	
71-43-2	Benzene	0.67	2.00	53.73	2.13	6.40	171.98	
110-82-7	Cyclohexane	0.67	2.00	78.57	2.30	6.90	271.13	
591-76-4	2-Methylhexane	0.57	1.71	41.98	2.35	7.04	172.40	
565-59-3	2,3-Dimethylpentane	0.57	1.71	24.43	2.35	7.04	100.32	
589-34-4	3-Methylhexane	0.57	1.71	62.07	2.35	7.04	254.88	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	121.05	2.34	7.02	566.55	
142-82-5	n-Heptane	0.57	1.71	133.01	2.35	7.04	546.20	
108-87-2	Methylcyclohexane	0.57	1.71	119.43	2.30	6.90	480.67	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	29.16	2.34	7.02	136.48	
108-88-3	Toluene	0.57	1.71	140.34	2.16	6.47	529.71	
592-27-8	2-Methylheptane	0.50	1.50	38.58	2.34	7.02	180.58	
589-81-1	3-Methylheptane	0.50	1.50	27.41	2.34	7.02	128.31	
111-65-9	n-Octane	0.50	1.50	37.71	2.34	7.02	176.48	
100-41-4	Ethylbenzene	0.50	1.50	51.18	2.18	6.53	222.76	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	68.20	2.18	6.53	296.84	
100-42-5	Styrene	0.50	1.50	31.27	2.14	6.41	133.55	
95-47-6	o-xylene	0.50	1.50	39.64	2.18	6.53	172.54	
111-84-2	n-Nonane	0.44	1.33	19.66	2.34	7.01	103.38	
98-82-8	i-Propylbenzene	0.44	1.33	10.74	2.19	6.57	52.91	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	7.15	2.19	6.57	35.21	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	11.68	2.19	6.57	57.55	
611-14-3	2-Ethyltoluene	0.44	1.33	16.04	2.19	6.57	79.04	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	25.10	2.19	6.57	123.63	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	19.99	2.20	6.60	109.96	
105-05-5	1,4-Diethylbenzene	0.40	1.20	1.38	2.20	6.60	7.57	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	2,930.58	26.50	79.49	10,353.10	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	17,583.45	29.51	88.52	11,530.13	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 226144
Analytical Method: TO-14FID
Laboratory Number: 56

File Name: 2614456A
Description: T-414
Canister: 738
QC_Batch: 082026-GCK

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 08/20/2026 **Time:** 13:16
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.57	2.47	7.40	4.41	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.37	2.41	7.23	6.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Canister: 895
QC_Batch: 081326-GCK

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 08/13/2026 **Time:** 18:10
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	7.83	2.47	7.40	9.66	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.37	2.41	7.23	6.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.29	2.38	7.14	5.46	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	14.45	2.34	7.02	67.63	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.57	2.18	6.53	2.48	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.78	2.18	6.53	3.39	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.63	2.18	6.53	2.75	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.19	2.19	6.57	5.87	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	33.86	26.50	79.49	119.63	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	203.18	29.51	88.52	133.23	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 58

File Name: 2614458A
Description: T-502
Canister: 728
QC_Batch: 081326-GCK

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 08/13/2026 **Time:** 18:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.40	2.47	7.40	7.90	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.56	2.41	7.23	2.82	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Canister: 858
QC_Batch: 082726-GCK

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 08/27/2026 **Time:** 14:11
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.00	2.30	6.91	3.45	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	22.21	2.47	7.40	27.40	
115-07-1	Propene	1.33	4.00	2.04	2.30	6.90	3.51	J
74-98-6	Propane	1.33	4.00	2.05	2.41	7.23	3.71	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.43	2.38	7.14	3.42	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.52	2.19	6.57	2.54	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.01	26.50	79.49	49.50	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	84.06	29.51	88.52	55.12	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 226144
Analytical Method: TO-14FID
Laboratory Number: 60

File Name: 2614460A
Description: T-504
Canister: 556
QC_Batch: 082726-GCK

Date Sampled: 07/24/26 **Time:** 9:21
Date Analyzed: 08/27/2026 **Time:** 15:03
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.17	2.30	6.91	2.50	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.81	2.47	7.40	29.37	
115-07-1	Propene	1.33	4.00	10.80	2.30	6.90	18.63	
74-98-6	Propane	1.33	4.00	22.44	2.41	7.23	40.56	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	11.05	2.38	7.14	26.32	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	8.00	2.37	7.10	23.67	
109-67-1	1-Pentene	0.80	2.40	1.00	2.30	6.90	2.87	J
109-66-0	n-Pentane	0.80	2.40	1.18	2.36	7.09	3.50	J
646-04-8	t-2-Pentene	0.80	2.40	2.96	2.30	6.90	8.49	
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	6.23	2.30	6.90	17.90	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	6.44	2.36	7.07	22.75	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.26	2.13	6.40	7.23	
110-82-7	Cyclohexane	0.67	2.00	2.56	2.30	6.90	8.82	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	3.54	2.35	7.04	14.54	
589-34-4	3-Methylhexane	0.57	1.71	0.86	2.35	7.04	3.51	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.78	2.34	7.02	3.66	J
108-88-3	Toluene	0.57	1.71	1.89	2.16	6.47	7.13	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	6.63	2.34	7.02	31.04	
111-65-9	n-Octane	0.50	1.50	0.68	2.34	7.02	3.18	J
100-41-4	Ethylbenzene	0.50	1.50	1.03	2.18	6.53	4.50	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.48	2.18	6.53	6.45	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.36	2.18	6.53	5.93	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.55	2.19	6.57	7.64	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.78	2.19	6.57	3.86	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	89.64	26.50	79.49	316.66	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	537.81	29.51	88.52	352.66	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Canister: 627
QC_Batch: 082726-GCK

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 08/27/2026 **Time:** 15:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.78	2.30	6.91	3.20	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.09	2.47	7.40	29.71	
115-07-1	Propene	1.33	4.00	3.47	2.30	6.90	5.98	J
74-98-6	Propane	1.33	4.00	5.90	2.41	7.23	10.67	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	1.05	2.30	6.90	2.41	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	2.84	2.30	6.90	8.16	
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	1.33	2.34	7.02	6.24	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	1.15	2.14	6.41	4.90	J
95-47-6	o-xylene	0.50	1.50	0.64	2.18	6.53	2.78	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.02	2.19	6.57	9.93	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.13	2.19	6.57	5.57	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.85	2.20	6.60	4.67	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.56	2.20	6.60	3.06	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	30.75	26.50	79.49	108.63	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	184.50	29.51	88.52	120.99	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Canister: 760
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 08/19/2026 **Time:** 11:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.54	2.30	6.90	2.66	J
74-98-6	Propane	1.33	4.00	2.76	2.41	7.23	4.98	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.67	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Canister: 696
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 08/19/2026 **Time:** 12:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.53	J
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.66	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 64

File Name: 2614464A
Description: T-508
Canister: 768
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:33
Date Analyzed: 08/19/2026 **Time:** 13:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	2.11	2.30	6.90	3.65	J
74-98-6	Propane	1.33	4.00	2.92	2.41	7.23	5.28	J
75-28-5	i-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.66	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Canister: 837
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 08/19/2026 **Time:** 18:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	7.11	2.30	6.90	12.27	
74-98-6	Propane	1.33	4.00	8.08	2.41	7.23	14.60	
75-28-5	i-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
106-98-9	1-Butene	1.00	3.00	2.07	2.30	6.90	4.77	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.24	26.50	79.49	43.26	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	73.47	29.51	88.52	48.18	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Canister: 647
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 08/19/2026 **Time:** 19:58
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Canister: 786
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 08/19/2026 **Time:** 21:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.39	2.41	7.23	2.52	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.14	2.30	6.90	2.61	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 226144
Analytical Method: TO-14FID
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Canister: 877
QC_Batch: 082026-GCK

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 08/20/2026 **Time:** 11:40
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.69	2.47	7.40	30.46	
115-07-1	Propene	1.33	4.00	2.55	2.30	6.90	4.41	J
74-98-6	Propane	1.33	4.00	3.56	2.41	7.23	6.43	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.05	2.38	7.14	2.50	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.14	26.50	79.49	46.42	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	78.84	29.51	88.52	51.70	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Canister: 892
QC_Batch: 082026-GCK

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 08/20/2026 **Time:** 12:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	16.57	2.47	7.40	20.44	
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.52	J
74-98-6	Propane	1.33	4.00	2.80	2.41	7.23	5.06	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.63	2.38	7.14	6.26	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	10.68	26.50	79.49	37.75	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	64.11	29.51	88.52	42.04	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Canister: 775
QC_Batch: 080326-GCK

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 08/03/2026 **Time:** 13:13
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: **226144**

Client Project Manager: Chuck Schmidt

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

Project Number: 17807
Sample Event Date: 7/20-7/24/2026
Received Date: 7/24/2026
Report Date: 9/3/2026

Project Number:
PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	728		668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

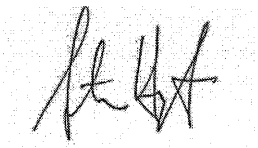
All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 9/3/2026

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

000952 of 006978

CE Schmidt, Phd, Environmental Consultant — TO-15 Day 1

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:	Client Address and Phone Number *3900 Kilroy Airport Way, Suite 100* *Long Beach, CA 90806 562-743-7895*
Client Name *SCS* *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256	Laboratory Name *EAS*
Project Manager *Pat Sullivan*	E-Mail: SCHMIDTCE@aol.com	Laboratory Address *173 Cross Street* *San Luis Obispo, CA 93401*
Requested Completion Date		Laboratory Phone *805-781-3585*
		Laboratory Contact *Dr. Steve Hoyt* *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/20/2026	1003		x	T - 101	758 737	1		x		x	x	x	x	x	-29	0	01
	7/20/2026	1005		x	T - 102		1		x		x	x	x	x	x	-29	0	02
	7/20/2026	1003		x	T - 103	578	1		x		x	x	x	x	x	-29	0	03
	7/20/2026	0758		x	T - 104	910	1		x		x	x	x	x	x	-29	0	04
	7/20/2026	1100		x	T - 105	885	1		x		x	x	x	x	x	-29	0	05
	7/20/2026	1057		x	T - 106	755	1		x		x	x	x	x	x	-29	0	06
	7/20/2026	1103		x	T - 107	182	1		x		x	x	x	x	x	-29	0	07
	7/20/2026	1051		x	T - 108	551	1		x		x	x	x	x	x	-29	0	08
	7/20/2026	1214		x	T - 109	638	1		x		x	x	x	x	x	-29	0	09
	7/20/2026	1205		x	T - 110	880	1		x		x	x	x	x	x	-29	0	10
	7/20/2026	1202		x	T - 111	645	1		x		x	x	x	x	x	-29	0	11
	7/20/2026	1217		x	T - 112	663	1		x		x	x	x	x	x	-29	0	12
	7/20/2026	1229		x	T - 113	859	1		x		x	x	x	x	x	-29	0	13
	7/20/2026	1251		x	T - 114	879	1		x		x	x	x	x	x	-29	0	14

Sampler: C Schmidt	Date/Time: 7/24/26 1200	Relinquished by: C Schmidt	Date/Time: 7/24/26 1200
Recieved by: Ana Gutierrez EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	

HAZWRAP/NEESA Y N; QC Level 1 2 3; COC; Ana Req; Cust Seal; Sample Condition

Remarks

000953 of 006978

CE Schmidt, PhD, Environmental Consultant — TO-15 Day 2

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:	Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*
Client Name: *SCS* / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**	Laboratory Name: *EAS*
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080	Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*
Requested Completion Date	530-529-4256	Laboratory Phone: *805-781-3585*
	E-Mail: SCHMIDTCE@aol.com	Laboratory Contact: *Dr. Steve Hoyt*, *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
	7/21/2026	716		x	T- 201	653	1		x		x	x	x	x	x	-29	0	15
	7/21/2026	941		x	T- 202	803	1		x		x	x	x	x	x	-29	0	16
	7/21/2026	937		x	T- 203	68	1		x		x	x	x	x	x	-29	0	17
	7/21/2026	933		x	T- 204	688	1		x		x	x	x	x	x	-29	0	18
	7/21/2026	1052		x	T- 205	761	1		x		x	x	x	x	x	-29	0	19
	7/21/2026	1051		x	T- 206	809	1		x		x	x	x	x	x	-29	0	20
	7/21/2026	1053		x	T- 207	694	1		x		x	x	x	x	x	-29	0	21
	7/21/2026	1045		x	T- 208	526	1		x		x	x	x	x	x	-29	0	22
	7/21/2026	1202		x	T- 209	856	1		x		x	x	x	x	x	-29	0	23
	7/21/2026	1214		x	T- 210	679	1		x		x	x	x	x	x	-29	0	24
	7/21/2026	1210		x	T- 211	762	1		x		x	x	x	x	x	-29	0	25
	7/21/2026	1215		x	T- 212	710	1		x		x	x	x	x	x	-29	0	26
	7/21/2026	1219		x	T- 213	655	1		x		x	x	x	x	x	-29	8	27
	7/21/2026	1238		x	T- 214	692	1		x		x	x	x	x	x	-29	0	28

Sampler: CE Schmidt	Date/Time: 7/24/26 1200	Relinquished by: CE Schmidt	Date/Time: 7/24/26 1200
Recieved by: Jon Van Wyngaarden EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

CE Schmidt, PhD, Environmental Consultant
Chain of Custody Record

TO-15 Day 3

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name: *SCS* / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080
Requested Completion Date	530-529-4256
	E-Mail: SCHMIDTCE@aol.com

Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*

Laboratory Name: *EAS*
Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*
Laboratory Phone: *805-781-3585*
Laboratory Contact: *Dr. Steve Hoyt* *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/22/2026	823		x	T - 301	659 897	1		x		x	x	x	x	x	-29	0	29
	7/22/2026	828		x	T - 302		1		x		x	x	x	x	x	-29	0	30
	7/22/2026	823		x	T - 303	754	1		x		x	x	x	x	x	-29	0	31
	7/22/2026	825		x	T - 304	745	1		x		x	x	x	x	x	-29	0	32
	7/22/2026	958		x	T - 305	741	1		x		x	x	x	x	x	-29	0	33
	7/22/2026	1001		x	T - 306	708	1		x		x	x	x	x	x	-29	0	34
	7/22/2026	1001		x	T - 307	698	1		x		x	x	x	x	x	-29	0	35
	7/22/2026	959		x	T - 308	608	1		x		x	x	x	x	x	-29	0	36
	7/22/2026	1117		x	T - 309	647	1		x		x	x	x	x	x	-29	0	37
	7/22/2026	1122		x	T - 310	654	1		x		x	x	x	x	x	-29	0	38
	7/22/2026	1115		x	T - 311	605	1		x		x	x	x	x	x	-29	0	39
	7/22/2026	1123		x	T - 312	730	1		x		x	x	x	x	x	-29	0	40
	7/22/2026	1126		x	T - 313	766	1		x		x	x	x	x	x	-29	0	41
	7/22/2026	1130		x	T - 314	662	1		x		x	x	x	x	x	-29	0	42

Sampler: CES CHMIDT	Date/Time: 7/24/26 1000	Relinquished by: CES SCHMIDT	Date/Time: 7/24/26 1200
Recieved by: Vina Brillantes EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

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CE Schmidt, Ph.D., Environmental Consultant — **TO-15 Day 4**

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name: *SCS* / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 E-Mail: SCHMIDTCE@aol.com
Project Manager: *Pat Sullivan*	
Requested Completion Date	

Client Address and Phone Number: ***3900 Kilroy Airport Way, Suite 100 / Long Beach, CA 90806 562-743-7895***

Laboratory Name: ***EAS***

Laboratory Address: ***173 Cross Street / San Luis Obispo, CA 93401***

Laboratory Phone: ***805-781-3585***

Laboratory Contact: ***Dr. Steve Hoyt*** *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (fList on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/23/2026	859		x	T - 401	643 740	1		x		x	x	x	x	x	-29	0	43
	7/23/2026	900		x	T - 402		1		x		x	x	x	x	x	-29	0	44
	7/23/2026	904		x	T - 403	699	1		x		x	x	x	x	x	-29	0	45
	7/23/2026	908		x	T - 404	618	1		x		x	x	x	x	x	-29	0	46
	7/23/2026	959		x	T - 405	849	1		x		x	x	x	x	x	-29	0	47
	7/23/2026	1002		x	T - 406	506	1		x		x	x	x	x	x	-29	0	48
	7/23/2026	1007		x	T - 407	823 789	1		x		x	x	x	x	x	-29	0	49
	7/23/2026	1011		x	T - 408		1		x		x	x	x	x	x	-29	0	50
	7/23/2026	1110		x	T - 409	732	1		x		x	x	x	x	x	-29	0	51
	7/23/2026	1109		x	T - 410	709	1		x		x	x	x	x	x	-29	0	52
	7/23/2026	1107		x	T - 411	750	1		x		x	x	x	x	x	-29	0	53
	7/23/2026	1108		x	T - 412	403	1		x		x	x	x	x	x	-29	0	54
	7/23/2026	1119		x	T - 413	695	1		x		x	x	x	x	x	-29	0	55
	7/23/2026	1140		x	T - 414	738	1		x		x	x	x	x	x	-29	0	56

Sampler: CES SCHMIDT	Date/Time: 7/24/26 1200	Relinquished by: CES SCHMIDT	Date/Time: 7/24/26 1200	HAZWRAP/NEESA Y N
Recieved by: Anna Gevorkyan	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC Ana Req Cust Seal Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other		
Remarks				

CE Schmidt, PhD, Environmental Consultant — **TO-15 Day 5**

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:	Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*
Client Name: *SCS* / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**	Laboratory Name: *EAS*
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080	Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*
Requested Completion Date	530-529-4256	Laboratory Phone: *805-781-3585*
	E-Mail: SCHMIDTCE@aol.com	Laboratory Contact: *Dr. Steve Hoyt*, *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/24/2026	922		x	T - 501	895	1		x		x	x	x	x	x	-29	0	57
	7/24/2026	922		x	T - 502	728	1		x		x	x	x	x	x	-29	0	58
	7/24/2026	929		x	T - 503	858	1		x		x	x	x	x	x	-29	0	59
	7/24/2026	921		x	T - 504	556	1		x		x	x	x	x	x	-29	0	60
	7/24/2026	1036		x	T - 505	621	1		x		x	x	x	x	x	-29	0	61
	7/24/2026	1031		x	T - 506	760	1		x		x	x	x	x	x	-29	0	62
	7/24/2026	1037		x	T - 507	696	1		x		x	x	x	x	x	-29	0	63
	7/24/2026	1033		x	T - 508	768	1		x		x	x	x	x	x	-29	0	64
	7/24/2026	1139		x	T - 509	857	1		x		x	x	x	x	x	-29	0	65
	7/24/2026	1144		x	T - 510	642	1		x		x	x	x	x	x	-29	0	66
	7/24/2026	1140		x	T - 511	726	1		x		x	x	x	x	x	-29	0	67
	7/24/2026	1144		x	T - 512	807	1		x		x	x	x	x	x	-29	0	68
	7/24/2026	1148		x	T - 513	892	1		x		x	x	x	x	x	-29	0	69
	7/24/2026	1105		x	T - 514	775	1		x		x	x	x	x	x	-29	0	70

Sampler: CB Schmidt	Date/Time: 7/24/26 1200	Relinquished by: CB Schmidt	Date/Time: 7/24/26 1200
Recieved by: Una Gallegos EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D5

Table 6.2 Target Analyte List for Fixed Gases.

Methane (reanalyze non-detects to <1 ppmv)
Carbon dioxide
Oxygen
Nitrogen
Hydrogen
Carbon monoxide

TO-12
TNMHC (as C1 and C6)

TO-14 (FID)
C2-C12 Speciated

TO-15
Top 10 TICs for each sample
CLP Data Package

Table 6.3 Target List for TO-15 HAP/TAC Speciated Hydrocarbon Analysis.

Propylene
Dichlorodifluoromethane
Methanol
Chloromethane
1,2-Dichlorotetrafluoroethane
Vinyl chloride
1,3-Butadiene
Bromomethane
Chloroethane
Ethanol
Acrolein
Trichlorofluoromethane
Acetone
2-propanol (isopropylalcohol)
t-Butyl alcohol
Methyl iodide
1,1-Dichloroethene
Acrylonitrile
1,1,2-Trichlorotrifluoroethane
Allyl chloride
Methylene chloride
Carbon disulfide
trans-1,2-Dichloroethene
Methyl tert butyl ether
Propionitrile
1,1-Dichloroethane
Ethyl tert butyl ether
Vinyl acetate
2-Butanone (MEK)
Diisopropyl ether
Hexane
Methacrylonitrile
Ethyl acetate
Bromochloromethane
Methyl acrylate
Tetrahydrofuran
Isobutyl alcohol
cis-1,2-Dichloroethene
2,2-Dichloropropane
Chloroform
1,1,1-Trichloroethane
1,2-Dichloroethane
1,1-Dichloropropene
Cyclohexane
Benzene
Carbon tetrachloride
t-Amyl methyl ether
2,2,4-Trimethylpentane
n-Heptane
1,2-Dichloropropane
1,4 Dioxane
Dibromomethane
Trichloroethene (TCE)
Bromodichloromethane
Methyl methacrylate
4-Methyl-2-pentanone (MIBK)
cis-1,3-Dichloropropene
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Ethyl methacrylate
2-Hexanone
1,3-Dichloropropane
Octane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylenes
Nonane
Styrene
Bromoform
o-Xylene
1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane
t-1,4-Dichloro-2-butene
n-Propylbenzene
Isopropylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
Decane
tert-butyl benzene
1,2,4-Trimethylbenzene
i-Butylbenzene
sec-butylbenzene
1,3-Dichlorobenzene
Isopropyltoluene
Benzyl chloride
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
Hexachlorobutadiene
1,1-Difluoroethane

Quality Control Report

EAS SDG Number: 226144

Project Number: 17807

QC Narrative

Samples were anlayzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different then the referrenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater then ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: LABQC
Laboratory Number: B09016

File Name: B09016B
Description: METHOD BLANK
Can/Tube#: 307
QC_Batch: 090126-GCL

Date Sampled:
Date Analyzed: 09/01/26
Dilution Factor: 1.00

Time:
Time: 13:18

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.50	1.50	ND	0.33	0.98	ND	

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D3416 Methane by GC/FID
Analytical Method: **ASTM D3416**

Date: 09/01/26
QC_Batch: 090126-GCL

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
74-82-8	Methane	92		88		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Can/Tube#: 758
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:24
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.46	1.39	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 02

File Name:	2614402A	**Date Sampled:**	07/20/26	**Time:**	10:05
Description:	T-102	**Date Analyzed:**	09/01/26	**Time:**	13:29
Can/Tube#:	737	**Dilution Factor:**	1.42		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	ND	0.47	1.40	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 03

File Name:	2614403A	**Date Sampled:**	07/20/26	**Time:**	10:03
Description:	T-103	**Date Analyzed:**	09/01/26	**Time:**	13:35
Can/Tube#:	548	**Dilution Factor:**	1.33		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	ND	0.44	1.31	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 04

File Name:	2614404A	**Date Sampled:**	07/20/26	**Time:**	9:58
Description:	T-104	**Date Analyzed:**	09/01/26	**Time:**	13:40
Can/Tube#:	990	**Dilution Factor:**	1.53		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Can/Tube#: 885
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 09/01/26 **Time:** 13:46
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.47	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 06

File Name:	2614406A	**Date Sampled:**	07/20/26	**Time:**	10:59
Description:	T-106	**Date Analyzed:**	09/01/26	**Time:**	13:52
Can/Tube#:	755	**Dilution Factor:**	1.49		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	0.99	0.49	1.47	0.65	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 07

File Name:	2614407A	**Date Sampled:**	07/20/26	**Time:**	11:03
Description:	T-107	**Date Analyzed:**	09/01/26	**Time:**	13:58
Can/Tube#:	182	**Dilution Factor:**	1.32		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.98	1.97	0.43	1.30	1.29	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Can/Tube#: 551
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 09/01/26 **Time:** 14:04
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.98	1.47	0.43	1.30	0.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 09

File Name:	2614409A	**Date Sampled:**	07/20/26	**Time:**	12:14
Description:	T-109	**Date Analyzed:**	09/01/26	**Time:**	14:09
Can/Tube#:	638	**Dilution Factor:**	1.51		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 10

File Name:	2614410A	**Date Sampled:**	07/20/26	**Time:**	12:05
Description:	T-110	**Date Analyzed:**	09/01/26	**Time:**	14:15
Can/Tube#:	800	**Dilution Factor:**	1.29		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.93	0.78	0.42	1.27	0.51	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 11

File Name:	2614411A	**Date Sampled:**	07/20/26	**Time:**	12:02
Description:	T-111	**Date Analyzed:**	09/01/26	**Time:**	14:21
Can/Tube#:	645	**Dilution Factor:**	1.58		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.36	ND	0.52	1.55	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 12

File Name: 2614412A
Description: T-112
Can/Tube#: 663
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 09/01/26 **Time:** 14:26
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	0.69	0.43	1.29	0.45	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 13

File Name:	2614413A	**Date Sampled:**	07/20/26	**Time:**	12:11
Description:	T-113	**Date Analyzed:**	09/01/26	**Time:**	14:32
Can/Tube#:	859	**Dilution Factor:**	1.54		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Can/Tube#: 529
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 09/01/26 **Time:** 14:40
Dilution Factor: 1.24

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.62	1.86	ND	0.41	1.22	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Can/Tube#: 653
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 09/01/26 **Time:** 14:45
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	20.07	0.46	1.38	13.16	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Can/Tube#: 803
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 09/01/26 **Time:** 14:51
Dilution Factor: 1.27

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.90	1.51	0.41	1.24	0.99	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 17

File Name:	2614417A	**Date Sampled:**	07/21/26	**Time:**	9:37
Description:	T-203	**Date Analyzed:**	09/01/26	**Time:**	14:57
Can/Tube#:	668	**Dilution Factor:**	1.25		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.88	92.40	0.41	1.23	60.59	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 18

File Name:	2614418A	**Date Sampled:**	07/21/26	**Time:**	9:33
Description:	T-204	**Date Analyzed:**	09/01/26	**Time:**	15:02
Can/Tube#:	688	**Dilution Factor:**	1.59		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.80	2.39	35,720.34	0.52	1.57	23,423.17	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 19

File Name:	2614419A	**Date Sampled:**	07/21/26	**Time:**	10:52
Description:	T-205	**Date Analyzed:**	09/01/26	**Time:**	15:08
Can/Tube#:	761	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	14.91	0.46	1.38	9.77	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Can/Tube#: 809
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 09/01/26 **Time:** 15:14
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	4.95	0.47	1.40	3.24	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 21

File Name:	2614421A	**Date Sampled:**	07/21/26	**Time:**	10:53
Description:	T-207	**Date Analyzed:**	09/01/26	**Time:**	15:20
Can/Tube#:	694	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	346.82	0.46	1.37	227.42	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Can/Tube#: 526
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 09/01/26 **Time:** 15:28
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	5,950.44	0.45	1.36	3,901.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Can/Tube#: 856
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 15:37
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	4.46	0.43	1.29	2.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Can/Tube#: 679
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 15:43
Dilution Factor: 1.39

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	7.72	0.46	1.37	5.06	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 25

File Name:	2614425A	**Date Sampled:**	07/21/26	**Time:**	12:10
Description:	T-211	**Date Analyzed:**	09/01/26	**Time:**	15:50
Can/Tube#:	762	**Dilution Factor:**	1.45		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	4.34	0.47	1.42	2.84	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 26

File Name:	2614426A	**Date Sampled:**	07/21/26	**Time:**	12:15
Description:	T-212	**Date Analyzed:**	09/01/26	**Time:**	15:55
Can/Tube#:	710	**Dilution Factor:**	1.45		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	2,757.90	0.47	1.42	1,808.46	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 27

File Name: 2614427A
Description: T-213
Can/Tube#: 655
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 09/01/26 **Time:** 16:01
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2,879.13	0.43	1.29	1,887.95	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Can/Tube#: 692
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 09/01/26 **Time:** 16:16
Dilution Factor: 1.26

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.89	1.13	0.41	1.24	0.74	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Can/Tube#: 659
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:22
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 30

File Name:	2614430A	**Date Sampled:**	07/22/26	**Time:**	8:28
Description:	T-302	**Date Analyzed:**	09/01/26	**Time:**	16:29
Can/Tube#:	897	**Dilution Factor:**	1.48		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Can/Tube#: 754
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:34
Dilution Factor: 1.30

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.95	ND	0.43	1.28	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Can/Tube#: 745
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 09/01/26 **Time:** 16:40
Dilution Factor: 1.28

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.92	0.97	0.42	1.26	0.63	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 33

File Name:	2614433A	**Date Sampled:**	07/22/26	**Time:**	9:58
Description:	T-305	**Date Analyzed:**	09/01/26	**Time:**	16:46
Can/Tube#:	741	**Dilution Factor:**	1.30		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2.66	0.43	1.28	1.75	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 34

File Name: 2614434A
Description: T-306
Can/Tube#: 708
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 16:51
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	732.39	0.46	1.39	480.26	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Can/Tube#: 698
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 9:41
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	1,383.89	0.46	1.37	907.47	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 36

File Name:	2614436A	**Date Sampled:**	07/22/26	**Time:**	9:59
Description:	T-308	**Date Analyzed:**	09/01/26	**Time:**	18:24
Can/Tube#:	608	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	21,375.63	0.46	1.38	14,016.81	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 37

File Name:	2614437A	**Date Sampled:**	07/22/26	**Time:**	11:17
Description:	T-309	**Date Analyzed:**	09/01/26	**Time:**	18:30
Can/Tube#:	647	**Dilution Factor:**	1.33		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.99	1.02	0.44	1.31	0.67	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Can/Tube#: 654
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 09/01/26 **Time:** 18:36
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.04	ND	0.45	1.34	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 39

File Name:	2614439A	**Date Sampled:**	07/22/26	**Time:**	11:15
Description:	T-311	**Date Analyzed:**	09/01/26	**Time:**	18:43
Can/Tube#:	605	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	ND	0.46	1.37	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Can/Tube#: 730
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 09/01/26 **Time:** 18:49
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	ND	0.46	1.38	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Can/Tube#: 766
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 09/01/26 **Time:** 18:55
Dilution Factor: 1.37

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	ND	0.45	1.34	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Can/Tube#: 662
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 09/01/26 **Time:** 19:00
Dilution Factor: 1.35

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.03	ND	0.44	1.33	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Can/Tube#: 643
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 09/01/26 **Time:** 19:06
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	ND	0.46	1.38	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Can/Tube#: 740
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 09/01/26 **Time:** 19:11
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2,610.25	0.43	1.29	1,711.64	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 45

File Name:	2614445A	**Date Sampled:**	07/23/26	**Time:**	9:04
Description:	T-403	**Date Analyzed:**	09/01/26	**Time:**	19:17
Can/Tube#:	699	**Dilution Factor:**	1.38		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Can/Tube#: 618
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:22
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.06	1,976.79	0.45	1.35	1,296.25	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 47

File Name:	2614447A	**Date Sampled:**	07/23/26	**Time:**	9:59
Description:	T-405	**Date Analyzed:**	09/01/26	**Time:**	19:29
Can/Tube#:	849	**Dilution Factor:**	1.42		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	ND	0.46	1.39	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Can/Tube#: 506
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 09/01/26 **Time:** 19:34
Dilution Factor: 1.34

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.01	2.21	0.44	1.32	1.45	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 49

File Name: 2614449A
Description: T-407
Can/Tube#: 823
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 10:07
Date Analyzed: 09/01/26 **Time:** 19:40
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	ND	0.47	1.42	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 50

File Name:	2614450A	**Date Sampled:**	07/23/26	**Time:**	10:11
Description:	T-408	**Date Analyzed:**	09/01/26	**Time:**	19:45
Can/Tube#:	789	**Dilution Factor:**	1.48		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	1,524.89	0.49	1.46	999.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 51

File Name:	2614451A	**Date Sampled:**	07/23/26	**Time:**	11:10
Description:	T-409	**Date Analyzed:**	09/01/26	**Time:**	19:51
Can/Tube#:	732	**Dilution Factor:**	1.41		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	ND	0.46	1.39	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Can/Tube#: 709
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 09/01/26 **Time:** 19:56
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	75.13	0.45	1.34	49.27	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 53

File Name:	2614453A	**Date Sampled:**	07/23/26	**Time:**	11:07
Description:	T-411	**Date Analyzed:**	09/01/26	**Time:**	20:02
Can/Tube#:	750	**Dilution Factor:**	1.30		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.95	362.68	0.43	1.28	237.82	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 54

File Name:	2614454A	**Date Sampled:**	07/23/26	**Time:**	11:07
Description:	T-412	**Date Analyzed:**	09/01/26	**Time:**	20:07
Can/Tube#:	503	**Dilution Factor:**	1.51		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	34,791.10	0.49	1.48	22,813.84	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 55

File Name:	2614455A	**Date Sampled:**	07/23/26	**Time:**	11:19
Description:	T-413	**Date Analyzed:**	09/01/26	**Time:**	20:13
Can/Tube#:	695	**Dilution Factor:**	1.47		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	27,019.47	0.48	1.44	17,717.69	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 56

File Name:	2614456A	**Date Sampled:**	07/23/26	**Time:**	11:19
Description:	T-414	**Date Analyzed:**	09/01/26	**Time:**	20:18
Can/Tube#:	738	**Dilution Factor:**	1.28		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.91	3.57	0.42	1.26	2.34	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Can/Tube#: 895
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:24
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	0.87	0.46	1.39	0.57	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 58

File Name:	2614458A	**Date Sampled:**	07/24/26	**Time:**	9:22
Description:	T-502	**Date Analyzed:**	09/01/26	**Time:**	20:29
Can/Tube#:	728	**Dilution Factor:**	1.34		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	ND	0.44	1.31	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Can/Tube#: 858
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 09/01/26 **Time:** 20:35
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.47	1.40	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 60

File Name:	2614460A	**Date Sampled:**	07/24/26	**Time:**	9:21
Description:	T-504	**Date Analyzed:**	09/01/26	**Time:**	20:40
Can/Tube#:	556	**Dilution Factor:**	1.46		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	863.43	0.48	1.43	566.18	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Can/Tube#: 627
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 09/01/26 **Time:** 20:46
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	0.89	0.49	1.46	0.58	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 62

File Name:	2614462A	**Date Sampled:**	07/24/26	**Time:**	10:31
Description:	T-506	**Date Analyzed:**	09/01/26	**Time:**	20:51
Can/Tube#:	760	**Dilution Factor:**	1.38		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Can/Tube#: 696
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 09/01/26 **Time:** 20:57
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	42.58	0.44	1.31	27.92	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 64

File Name:	2614464A	**Date Sampled:**	07/24/26	**Time:**	10:33
Description:	T-508	**Date Analyzed:**	09/01/26	**Time:**	21:02
Can/Tube#:	768	**Dilution Factor:**	1.38		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	860.61	0.45	1.36	564.33	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Can/Tube#: 837
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 09/01/26 **Time:** 21:08
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416
Laboratory Number: 66

File Name:	2614466A	**Date Sampled:**	07/24/26	**Time:**	11:44
Description:	T-510	**Date Analyzed:**	09/01/26	**Time:**	21:14
Can/Tube#:	647	**Dilution Factor:**	1.25		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.88	ND	0.41	1.23	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Can/Tube#: 786
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 09/01/26 **Time:** 21:19
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	ND	0.43	1.29	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 68

File Name:	2614468A	**Date Sampled:**	07/24/26	**Time:**	11:44
Description:	T-512	**Date Analyzed:**	09/01/26	**Time:**	21:25
Can/Tube#:	877	**Dilution Factor:**	1.44		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	ND	0.47	1.42	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Can/Tube#: 892
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 09/01/26 **Time:** 21:30
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.99	ND	0.43	1.30	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 70

File Name:	2614470A	**Date Sampled:**	07/24/26	**Time:**	12:05
Description:	T-514	**Date Analyzed:**	09/01/26	**Time:**	21:36
Can/Tube#:	775	**Dilution Factor:**	1.43		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	ND	0.47	1.40	ND	

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: **226144**

Client Project Manager: Chuck Schmidt

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

Project Number: 17807
Sample Event Date: 7/20-7/24/2026
Received Date: 7/24/2026
Report Date: 9/10/2026

Project Number: ASTM D1945 PG
PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

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T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

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T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

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T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

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T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

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T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

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T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

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T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

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T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

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T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	728		668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved: 9/10/2026

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

TO-15 Day 1

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name *SCS* *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 E-Mail: SCHMIDTCE@aol.com
Project Manager *Pat Sullivan*	
Requested Completion Date	

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401

Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (LList on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
	7/20/2026	1003		x	T - 101	758 737	1		x		x	x	x	x	x	-29	0	C1
	7/20/2026	1005		x	T - 102		1		x		x	x	x	x	x	-29	0	02
	7/20/2026	1003		x	T - 103	548	1		x		x	x	x	x	x	-29	0	03
	7/20/2026	0958		x	T - 104	910	1		x		x	x	x	x	x	-29	0	04
	7/20/2026	1100		x	T - 105	885	1		x		x	x	x	x	x	-29	0	05
	7/20/2026	1059		x	T - 106	755	1		x		x	x	x	x	x	-29	0	06
	7/20/2026	1103		x	T - 107	182	1		x		x	x	x	x	x	-29	0	07
	7/20/2026	1051		x	T - 108	551	1		x		x	x	x	x	x	-29	0	08
	7/20/2026	1214		x	T - 109	638	1		x		x	x	x	x	x	-29	0	09
	7/20/2026	1205		x	T - 110	880	1		x		x	x	x	x	x	-29	0	10
	7/20/2026	1202		x	T - 111	645	1		x		x	x	x	x	x	-29	0	11
	7/20/2026	1217		x	T - 112	663	1		x		x	x	x	x	x	-29	0	12
	7/20/2026	1227		x	T - 113	859	1		x		x	x	x	x	x	-29	0	13
	7/20/2026	1251		x	T - 114	829	1		x		x	x	x	x	x	-29	0	14

Sampler	Date/Time 7/24/26 1202	Relinquished by	Date/Time 7/24/26 1200
Recieved by Una Griffith EAS	Date/Time 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D1

CE Schmidt, Phd, Environmental Consultant TO-15 Day 2

Chain of Custody Record

| | | |

CE Schmidt, PhD, Environmental Consultant TO-15 Day 3

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:	Client Address and Phone Number *3900 Kilroy Airport Way, Suite 100* *Long Beach, CA 90806 562-743-7895*
Client Name *SCS* *Chiquita Canyon Landfill*	Dr. Charles E. Schmidt 19200 Live Oak Road, Red Bluff, CA 96080	
Project Manager *Pat Sullivan*	530-529-4256 E-Mail: SCHMIDTCE@aol.com	
Requested Completion Date		

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
	7/22/2026	823		x	T - 301	659 871	1		x		x	x	x	x	x	-29	0	29
	7/22/2026	828		x	T - 302	871	1		x		x	x	x	x	x	-29	0	30
	7/22/2026	823		x	T - 303	754	1		x		x	x	x	x	x	-29	0	31
	7/22/2026	825		x	T - 304	745	1		x		x	x	x	x	x	-29	0	32
	7/22/2026	958		x	T - 305	741	1		x		x	x	x	x	x	-29	0	33
	7/22/2026	1001		x	T - 306	708	1		x		x	x	x	x	x	-29	0	34
	7/22/2026	1001		x	T - 307	698	1		x		x	x	x	x	x	-29	0	35
	7/22/2026	959		x	T - 308	608	1		x		x	x	x	x	x	-29	0	36
	7/22/2026	1117		x	T - 309	647	1		x		x	x	x	x	x	-29	0	37
	7/22/2026	1122		x	T - 310	654	1		x		x	x	x	x	x	-29	0	38
	7/22/2026	1115		x	T - 311	605	1		x		x	x	x	x	x	-29	0	39
	7/22/2026	1123		x	T - 312	730	1		x		x	x	x	x	x	-29	0	40
	7/22/2026	1126		x	T - 313	766	1		x		x	x	x	x	x	-29	0	41
	7/22/2026	1130		x	T - 314	662	1		x		x	x	x	x	x	-29	0	42

Sampler (BSCHMIDT)	Date/Time 7/24/26 1000	Relinquished by (BSCHMIDT)	Date/Time 7/24/26 1200
Recieved by Una Brannen	Date/Time 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other	
Remarks			

Laboratory Name	HAZWRAP/NEESA Y N
EAS	QC Level 1 2 3
Laboratory Address *173 Cross Street* *San Luis Obispo, CA 93401*	COC
Laboratory Phone *805-781-3585*	Ana Req
Laboratory Contact *Dr. Steve Hoyt* *stevehoyt@easlab.com*	Cust Seel
	Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

TO-15 Day 4

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name *SCS* *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 E-Mail: SCHMiDTCE@aol.com
Project Manager *Pat Sullivan*	
Requested Completion Date	

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401

Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
	7/23/2026	859		x	T - 401	643 740	1		x		x	x	x	x	x	-29	0	43
	7/23/2026	900		x	T - 402		1		x		x	x	x	x	x	-29	0	44
	7/23/2026	904		x	T - 403	699	1		x		x	x	x	x	x	-29	0	45
	7/23/2026	908		x	T - 404	618	1		x		x	x	x	x	x	-29	0	46
	7/23/2026	959		x	T - 405	849	1		x		x	x	x	x	x	-29	0	47
	7/23/2026	1002		x	T - 406	506	1		x		x	x	x	x	x	-29	0	48
	7/23/2026	1007		x	T - 407	823 789	1		x		x	x	x	x	x	-29	0	49
	7/23/2026	1011		x	T - 408		1		x		x	x	x	x	x	-29	0	50
	7/23/2026	1110		x	T - 409	732	1		x		x	x	x	x	x	-29	0	51
	7/23/2026	1109		x	T - 410	709	1		x		x	x	x	x	x	-29	0	52
	7/23/2026	1107		x	T - 411	950	1		x		x	x	x	x	x	-29	0	53
	7/23/2026	1108		x	T - 412	903	1		x		x	x	x	x	x	-29	0	54
	7/23/2026	1119		x	T - 413	695 738	1		x		x	x	x	x	x	-29	0	55
	7/23/2026	1140		x	T - 414		1		x		x	x	x	x	x	-29	0	56

Sampler	Date/Time 7/24/26 1200	Relinquished by	Date/Time 7/24/26 1200
Recieved by	Date/Time 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D4

CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name *SCS* ***Chiquita Canyon Landfill***	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 E-Mail: SCHMIDTCE@aol.com
Project Manager ***Pat Sullivan***	
Requested Completion Date	

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401

Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
	7/24/2026	922		x	T - 501	895 728	1		x		x	x	x	x	x	-29	0	57
	7/24/2026	922		x	T - 502		1		x		x	x	x	x	x	-29	0	58
	7/24/2026	929		x	T - 503	858	1		x		x	x	x	x	x	-29	0	59
	7/24/2026	921		x	T - 504	556	1		x		x	x	x	x	x	-29	0	60
	7/24/2026	1036		x	T - 505	627	1		x		x	x	x	x	x	-29	0	61
	7/24/2026	1031		x	T - 506	760	1		x		x	x	x	x	x	-29	0	62
	7/24/2026	1037		x	T - 507	696	1		x		x	x	x	x	x	-29	0	63
	7/24/2026	1033		x	T - 508	768	1		x		x	x	x	x	x	-29	0	64
	7/24/2026	1147		x	T - 509	857	1		x		x	x	x	x	x	-29	0	65
	7/24/2026	1144		x	T - 510	647	1		x		x	x	x	x	x	-29	0	66
	7/24/2026	1140		x	T - 511	726	1		x		x	x	x	x	x	-29	0	67
	7/24/2026	1144		x	T - 512	807	1		x		x	x	x	x	x	-29	0	68
	7/24/2026	1148		x	T - 513	892	1		x		x	x	x	x	x	-29	0	69
	7/24/2026	1105		x	T - 514	775	1		x		x	x	x	x	x	-29	0	70

Sampler: CHRISTOPHER SCHMIDT	Date/Time: 7/24/26 1200	Relinquished by: CHRISTOPHER SCHMIDT	Date/Time: 7/24/26 1200
Recieved by: Una Brien EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D5

Quality Control Report

EAS SDG Number: 226144

Project Number: 17807

QC Narrative

Samples were anlayzed in a daily analytical batch (DAB) designated by a QC batch number, and were analyzed using EAS standard laboratory QC specified in the EAS Quality Manual which may be different then the referrenced agency method. Any deviations from the EAS QC criteria are flagged in the Laboratory Control Reports or in the sample Analytical Reports.

Standard Laboratory QC Report

Unless project specific QC was requested, this Section containing the standard laboratory QC (Level 2) supplied with the Analytical Reports. Each sample is analyzed in a Daily Analytical Batch (DAB) which includes the method blank, a laboratory control spike (LCS) and a laboratory control duplicate (LCD). A Daily Analytical Batch QC report is supplied for each method requested.

Method Blank

The method blank is a laboratory generated sample which assesses the degree to which laboratory operations cause a false positive. The target analytes in the analytical reports for a daily analytical batch are "B" flagged if their concentrations are present in the Method Blank above the RL, unless the result is greater then ten times the blank value..

Laboratory Control Spike

A laboratory control spike is a well characterized matrix similar to the sample which is spiked and run in duplicate with each Daily Analytical Batch. The laboratory control spike results are reported as a percent recovery. The QC Criteria for the control spike is listed in the Laboratory Control Report. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report. The control spike contains an abbreviated list of compounds in the method, and may contain compounds not on the target list for the specified report.

Laboratory Control Duplicate

The laboratory control duplicate is a duplicate analysis of the laboratory control spike, a standard, or a sample depending on the method. The results are reported as a relative percent difference (RPD). The criteria for the duplicate is in the Laboratory Control Report for the Daily Analytical Batch. Any results outside the control limits are flagged with a "Q" on the Laboratory Control Report.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: LABQC
Laboratory Number: B09016B

File Name: B09016B
Description: METHOD BLANK
Can/Tube#:
QC_Batch: 090126-GCO

Date Sampled:
Time:
Date Analyzed: 09/01/26
Time: 12:46
Can Dilution Factor: 1.00

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.380	0.407	ND	3,800	4,066	ND	ND
7782-44-7	Oxygen	0.050	0.054	0.21	500	535	2,060	
630-08-0	Carbon Monoxide	0.010	0.011	ND	100	107	ND	ND
124-38-9	Carbon Dioxide	0.010	0.011	ND	100	107	ND	ND

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D 1945 GC/TCD
Analytical Method: D1945

Date: 09/01/26
QC_Batch: 090126-GCO

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
7782-44-7	Oxygen	92		101		70	130	10	25	
7727-37-9	Nitrogen	103		129		70	130	22	25	
74-82-8	Methane	75		76		70	130	2	25	
630-08-0	Carbon Monoxide	98		100		70	130	2	25	
124-38-9	Carbon Dioxide	109		108		70	130	1	25	

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Can/Tube#: 758
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 12:51
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.538	0.576	ND	5,384	5,761	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.86	708	758	178,593	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	152	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 02

File Name: 2614402A
Description: T-102
Can/Tube#: 737
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:05
Date Analyzed: 09/01/26 **Time:** 12:58
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,410	5,789	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.64	712	762	176,376	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	152	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Can/Tube#: 548
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:02
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,071	5,426	ND	ND
7782-44-7	Oxygen	0.067	0.072	17.59	667	714	175,930	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	133	143	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 04

File Name: 2614404A
Description: T-104
Can/Tube#: 990
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 13:06
Can Dilution Factor: 1.53

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.583	0.624	ND	5,830	6,238	ND	ND
7782-44-7	Oxygen	0.077	0.082	17.81	767	821	178,081	
630-08-0	Carbon Monoxide	0.015	0.016	ND	153	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	153	164	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Can/Tube#: 885
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 09/01/26 **Time:** 14:04
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.569	0.609	ND	5,693	6,092	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.42	749	802	184,204	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	150	160	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Can/Tube#: 755
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 09/01/26 **Time:** 14:11
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.568	0.608	ND	5,677	6,075	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.37	747	799	183,685	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	160	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Can/Tube#: 182
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 09/01/26 **Time:** 14:17
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.502	0.537	ND	5,016	5,368	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.12	660	706	181,237	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	132	141	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Can/Tube#: 551
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 09/01/26 **Time:** 14:22
Can Dilution Factor: 1.18

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.449	0.480	ND	4,494	4,808	ND	ND
7782-44-7	Oxygen	0.059	0.063	17.94	591	633	179,411	
630-08-0	Carbon Monoxide	0.012	0.013	ND	118	127	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	ND	118	127	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Can/Tube#: 638
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 14:28
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.572	0.612	ND	5,723	6,124	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.36	753	806	183,605	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	151	161	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Can/Tube#: 800
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 14:34
Can Dilution Factor: 1.16

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.441	0.472	ND	4,406	4,715	ND	ND
7782-44-7	Oxygen	0.058	0.062	18.04	580	620	180,360	
630-08-0	Carbon Monoxide	0.012	0.013	ND	116	124	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	0.06	116	124	613	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Can/Tube#: 645
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 14:41
Can Dilution Factor: 1.58

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.599	0.641	ND	5,987	6,406	ND	ND
7782-44-7	Oxygen	0.079	0.085	18.22	788	843	182,211	
630-08-0	Carbon Monoxide	0.016	0.017	ND	158	169	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	158	169	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 12

File Name: 2614412A
Description: T-112
Can/Tube#: 663
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 09/01/26 **Time:** 14:45
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.499	0.534	ND	4,988	5,337	ND	ND
7782-44-7	Oxygen	0.066	0.071	19.95	656	702	199,510	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	131	140	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Can/Tube#: 859
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 09/01/26 **Time:** 14:51
Can Dilution Factor: 1.54

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.584	0.625	ND	5,837	6,246	ND	ND
7782-44-7	Oxygen	0.077	0.082	18.56	768	822	185,610	
630-08-0	Carbon Monoxide	0.015	0.016	ND	154	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	154	164	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Can/Tube#: 529
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 09/01/26 **Time:** 14:58
Can Dilution Factor: 1.24

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.472	0.505	ND	4,723	5,053	ND	ND
7782-44-7	Oxygen	0.062	0.066	17.91	621	665	179,134	
630-08-0	Carbon Monoxide	0.012	0.013	ND	124	133	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	ND	124	133	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Can/Tube#: 653
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 09/01/26 **Time:** 15:04
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.533	0.570	ND	5,334	5,707	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.58	702	751	175,832	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.08	140	150	783	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Can/Tube#: 803
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 09/01/26 **Time:** 15:10
Can Dilution Factor: 1.27

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.481	0.515	ND	4,807	5,144	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.29	633	677	182,900	
630-08-0	Carbon Monoxide	0.013	0.014	ND	127	135	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	127	135	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 17

File Name: 2614417A
Description: T-203
Can/Tube#: 668
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:37
Date Analyzed: 09/01/26 **Time:** 15:16
Can Dilution Factor: 1.25

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.475	0.508	ND	4,754	5,087	ND	ND
7782-44-7	Oxygen	0.063	0.067	16.69	626	669	166,892	
630-08-0	Carbon Monoxide	0.013	0.014	ND	125	134	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.13	125	134	1,271	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 18

File Name: 2614418A
Description: T-204
Can/Tube#: 688
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:33
Date Analyzed: 09/01/26 **Time:** 15:21
Can Dilution Factor: 1.59

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.605	0.647	ND	6,049	6,473	ND	ND
7782-44-7	Oxygen	0.080	0.086	16.70	796	852	166,992	
630-08-0	Carbon Monoxide	0.016	0.017	ND	159	170	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	2.90	159	170	29,004	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Can/Tube#: 761
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 09/01/26 **Time:** 15:27
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.534	0.571	ND	5,338	5,712	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.90	702	752	179,033	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.12	140	150	1,243	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Can/Tube#: 809
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 09/01/26 **Time:** 15:33
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,412	5,791	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.19	712	762	181,884	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.09	142	152	929	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 21

File Name: 2614421A
Description: T-207
Can/Tube#: 694
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:53
Date Analyzed: 09/01/26 **Time:** 15:39
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.531	0.568	ND	5,310	5,682	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.96	699	748	179,606	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.24	140	150	2,375	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Can/Tube#: 526
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 09/01/26 **Time:** 15:47
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,261	5,629	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.04	692	741	180,394	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.58	138	148	5,830	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Can/Tube#: 856
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 15:55
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.500	0.535	ND	4,999	5,349	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.07	658	704	180,750	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	132	141	733	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Can/Tube#: 679
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 16:02
Can Dilution Factor: 1.39

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.530	0.567	ND	5,300	5,671	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.96	697	746	179,626	
630-08-0	Carbon Monoxide	0.014	0.015	ND	139	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.12	139	149	1,154	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Can/Tube#: 762
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 09/01/26 **Time:** 16:09
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.549	0.587	ND	5,492	5,876	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.32	723	773	183,153	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.09	145	155	886	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Can/Tube#: 710
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 09/01/26 **Time:** 16:14
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.550	0.589	ND	5,500	5,885	ND	ND
7782-44-7	Oxygen	0.072	0.077	17.50	724	774	175,042	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.60	145	155	5,988	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 27

File Name: 2614427A
Description: T-213
Can/Tube#: 655
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 09/01/26 **Time:** 16:20
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.497	0.532	ND	4,967	5,315	ND	ND
7782-44-7	Oxygen	0.065	0.070	19.07	654	699	190,653	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.67	131	140	6,726	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Can/Tube#: 692
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 09/01/26 **Time:** 16:36
Can Dilution Factor: 1.26

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.479	0.513	ND	4,794	5,130	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.09	631	675	180,887	
630-08-0	Carbon Monoxide	0.013	0.014	ND	126	135	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	126	135	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Can/Tube#: 659
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:41
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,263	5,631	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.16	692	741	181,594	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 30

File Name: 2614430A
Description: T-302
Can/Tube#: 897
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:28
Date Analyzed: 09/01/26 **Time:** 16:48
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,625	6,019	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.45	740	792	184,544	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	158	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Can/Tube#: 754
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:54
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.494	0.529	ND	4,939	5,285	ND	ND
7782-44-7	Oxygen	0.065	0.070	18.44	650	695	184,359	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	139	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	130	139	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Can/Tube#: 745
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 09/01/26 **Time:** 16:59
Can Dilution Factor: 1.28

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.487	0.521	ND	4,875	5,216	ND	ND
7782-44-7	Oxygen	0.064	0.068	20.09	641	686	200,938	
630-08-0	Carbon Monoxide	0.013	0.014	ND	128	137	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.08	128	137	757	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 33

File Name: 2614433A
Description: T-305
Can/Tube#: 741
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 17:05
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.496	0.531	ND	4,957	5,304	ND	ND
7782-44-7	Oxygen	0.065	0.070	18.45	652	698	184,476	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	130	140	743	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 34

File Name: 2614434A
Description: T-306
Can/Tube#: 708
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 17:10
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.536	0.574	ND	5,359	5,734	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.86	705	754	178,570	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.32	141	151	3,206	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Can/Tube#: 698
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 18:40
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.531	0.568	ND	5,306	5,678	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.35	698	747	183,499	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.33	140	149	3,278	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 36

File Name: 2614436A
Description: T-308
Can/Tube#: 608
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 18:45
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.532	0.569	ND	5,324	5,696	ND	ND
7782-44-7	Oxygen	0.070	0.075	16.55	700	750	165,507	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	2.86	140	150	28,629	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Can/Tube#: 647
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 09/01/26 **Time:** 18:51
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.505	0.540	ND	5,049	5,403	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.43	664	711	184,286	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	133	142	664	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Can/Tube#: 654
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 09/01/26 **Time:** 18:56
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.516	0.552	ND	5,162	5,524	ND	ND
7782-44-7	Oxygen	0.068	0.073	18.02	679	727	180,243	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	136	145	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 39

File Name: 2614439A
Description: T-311
Can/Tube#: 605
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:15
Date Analyzed: 09/01/26 **Time:** 19:02
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.530	0.567	ND	5,302	5,673	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.49	698	746	184,873	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	140	149	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Can/Tube#: 730
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 09/01/26 **Time:** 19:08
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.534	0.571	ND	5,344	5,718	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.99	703	752	179,899	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	150	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Can/Tube#: 766
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 09/01/26 **Time:** 19:13
Can Dilution Factor: 1.37

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.519	0.555	ND	5,192	5,555	ND	ND
7782-44-7	Oxygen	0.068	0.073	17.95	683	731	179,525	
630-08-0	Carbon Monoxide	0.014	0.015	ND	137	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	137	146	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Can/Tube#: 662
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 09/01/26 **Time:** 19:19
Can Dilution Factor: 1.35

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.514	0.550	ND	5,138	5,497	ND	ND
7782-44-7	Oxygen	0.068	0.073	18.58	676	723	185,827	
630-08-0	Carbon Monoxide	0.014	0.015	ND	135	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	135	145	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Can/Tube#: 643
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 09/01/26 **Time:** 19:25
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.532	0.569	ND	5,315	5,687	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.13	699	748	181,326	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	140	150	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Can/Tube#: 740
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 09/01/26 **Time:** 19:30
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.498	0.533	ND	4,978	5,326	ND	ND
7782-44-7	Oxygen	0.065	0.070	17.62	655	701	176,152	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.43	131	140	4,290	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Can/Tube#: 699
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:35
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,260	5,628	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.28	692	741	182,806	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Can/Tube#: 618
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:40
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.523	0.560	ND	5,226	5,592	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.91	688	736	179,126	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.41	138	147	4,122	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 47

File Name: 2614447A
Description: T-405
Can/Tube#: 849
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 19:47
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.538	0.576	ND	5,377	5,754	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.44	708	757	184,409	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	151	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Can/Tube#: 506
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 09/01/26 **Time:** 19:52
Can Dilution Factor: 1.34

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.509	0.545	ND	5,088	5,444	ND	ND
7782-44-7	Oxygen	0.067	0.072	18.64	669	716	186,392	
630-08-0	Carbon Monoxide	0.013	0.014	ND	134	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.09	134	143	851	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 49

File Name: 2614449A
Description: T-407
Can/Tube#: 823
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:07
Date Analyzed: 09/01/26 **Time:** 19:58
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.550	0.589	ND	5,505	5,890	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.39	724	775	183,866	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	145	155	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 50

File Name: 2614450A
Description: T-408
Can/Tube#: 789
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:11
Date Analyzed: 09/01/26 **Time:** 20:04
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,635	6,030	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.19	741	793	181,919	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.23	148	159	2,297	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 51

File Name: 2614451A
Description: T-409
Can/Tube#: 732
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:10
Date Analyzed: 09/01/26 **Time:** 20:09
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.537	0.575	ND	5,367	5,743	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.43	706	756	184,303	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	151	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Can/Tube#: 709
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 09/01/26 **Time:** 20:15
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.518	0.554	ND	5,183	5,546	ND	ND
7782-44-7	Oxygen	0.068	0.073	17.91	682	730	179,056	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.11	136	146	1,055	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 53

File Name: 2614453A
Description: T-411
Can/Tube#: 750
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:20
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.495	0.530	ND	4,947	5,293	ND	ND
7782-44-7	Oxygen	0.065	0.070	19.52	651	696	195,231	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	139	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.17	130	139	1,693	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 54

File Name: 2614454A
Description: T-412
Can/Tube#: 503
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:25
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.573	0.613	ND	5,725	6,126	ND	ND
7782-44-7	Oxygen	0.075	0.080	15.88	753	806	158,808	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	4.93	151	161	49,270	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 55

File Name: 2614455A
Description: T-413
Can/Tube#: 695
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:31
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.558	0.597	ND	5,582	5,973	ND	ND
7782-44-7	Oxygen	0.073	0.078	15.91	734	786	159,104	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	4.36	147	157	43,592	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 56

File Name: 2614456A
Description: T-414
Can/Tube#: 738
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:37
Can Dilution Factor: 1.28

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.488	0.522	ND	4,877	5,218	ND	ND
7782-44-7	Oxygen	0.064	0.068	18.46	642	687	184,600	
630-08-0	Carbon Monoxide	0.013	0.014	ND	128	137	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	128	137	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Can/Tube#: 895
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:42
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.536	0.574	ND	5,360	5,735	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.11	705	755	181,087	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	151	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 58

File Name: 2614458A
Description: T-502
Can/Tube#: 728
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:48
Can Dilution Factor: 1.34

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,074	5,429	ND	ND
7782-44-7	Oxygen	0.067	0.072	20.11	668	714	201,125	
630-08-0	Carbon Monoxide	0.013	0.014	ND	134	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	134	143	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Can/Tube#: 858
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 09/01/26 **Time:** 20:53
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.540	0.578	ND	5,397	5,775	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.25	710	760	182,476	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.13	142	152	1,347	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 60

File Name: 2614460A
Description: T-504
Can/Tube#: 556
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:21
Date Analyzed: 09/01/26 **Time:** 20:59
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.554	0.593	ND	5,543	5,931	ND	ND
7782-44-7	Oxygen	0.073	0.078	18.57	729	780	185,742	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.13	146	156	1,266	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Can/Tube#: 627
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 09/01/26 **Time:** 21:04
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,645	6,040	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.26	743	795	182,592	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Can/Tube#: 760
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 09/01/26 **Time:** 21:09
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,256	5,624	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.57	692	740	175,657	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Can/Tube#: 696
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 09/01/26 **Time:** 21:15
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,072	5,428	ND	ND
7782-44-7	Oxygen	0.067	0.072	17.30	667	714	173,000	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.09	133	143	895	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 64

File Name: 2614464A
Description: T-508
Can/Tube#: 768
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:33
Date Analyzed: 09/01/26 **Time:** 21:21
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.524	0.561	ND	5,236	5,602	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.31	689	737	173,096	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.14	138	147	1,383	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Can/Tube#: 837
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 09/01/26 **Time:** 21:26
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.524	0.561	ND	5,235	5,602	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.55	689	737	175,544	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	147	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Can/Tube#: 647
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:32
Can Dilution Factor: 1.25

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.476	0.509	ND	4,761	5,094	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.08	626	670	180,753	
630-08-0	Carbon Monoxide	0.013	0.014	ND	125	134	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	125	134	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Can/Tube#: 786
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 09/01/26 **Time:** 21:38
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.500	0.535	ND	4,997	5,347	ND	ND
7782-44-7	Oxygen	0.066	0.071	17.62	657	704	176,246	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	131	141	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Can/Tube#: 877
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:43
Can Dilution Factor: 1.44

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.549	0.587	ND	5,490	5,875	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.70	722	773	187,031	
630-08-0	Carbon Monoxide	0.014	0.015	ND	144	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	144	155	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Can/Tube#: 892
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 09/01/26 **Time:** 21:43
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.503	0.538	ND	5,032	5,384	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.49	662	708	184,943	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	132	142	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Can/Tube#: 775
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 21:54
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.542	0.580	ND	5,420	5,799	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.55	713	763	185,527	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	143	153	ND	ND

ENVIRONMENTAL
Analytical Service, Inc.

Data Deliverable Package

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

EAS SDG Number: 226144
Project Number: 17807
Report Sent: 9/1/2026
Sample Date: 7/20-7/24/2026

Client Project Manager: Chuck Schmidt
Project Name: Chiquita Canyon
Project Number: EPA TO-15 VOC

This is the Laboratory Data Deliverable Package for the samples in the indicated Sample Delivery Group (SDG).

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Section 1 — **Project Summary**
- Laboratory Work Order
- Sample Data
- Laboratory Case Narrative and Chain of Custody

Section 2 — **Quality Control**
- Project QC Criteria
- DAB QC Reports

Section 3 — **Analytical Methods**
- Analytical Method Description(s)
- Analytical Reports

Section 4 — **Data Package with Quant Report and Chromatogram**
- DAB Run Logs and Preparation Log
- Sample Data Package
- Blank Data Package
- Continuing Calibration Package
- Initial Calibration Package

Section 5 — **Standard Certificates**

Section 6 — **SDG Documentation, Notes, Correspondence**

173 Cross Street, San Luis Obispo, California, 93401 (805) 781-3585

Section 1 Project Summary

The following pages provide detailed information about the sample receipt, log-in, and sample preparation. The Laboratory Work Order provides a cross reference between the Client ID number and the EAS Lab Number as well as a list of the analytical tests preformed. The items included in this section are listed below.

Section Contents

Laboratory Work Order

Sample Data

Laboratory Case Narrative

Chain of Custody

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

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T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

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T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

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T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

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T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

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T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	728		668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved:

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

CE Schmidt, Phd, Environmental Consultant

Chain of Custody Record

TO-15 Day 1

Form Serial Number	For Information Regarding These Samples	# OF CONTAINERS		Client Address and Phone Number	Laboratory Name
CES F1-02106	Please Contact:			*3900 Kilroy Airport Way, Suite 100*	*EAS*
Client Name	**Dr. Charles E. Schmidt**			*Long Beach, CA 90806 562-743-7895*	Laboratory Address
SCS	19200 Live Oak Road, Red Bluff, CA 96080			Analysis Requested	*173 Cross Street*
Chiquita Canyon Landfill	530-529-4256				*San Luis Obispo, CA 93401*
Project Manager	E-Mail: SCHMIDTCE@aol.com				Laboratory Phone
Pat Sullivan					*805-781-3585*
Requested Completion Date					Laboratory Contact
					Dr. Steve Hoyt
					stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Can	Tube	TO-12 FID (NMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (If List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/20/2026	1003		x	T - 101	758		x		x	x	x	x	x	-29	0	01
	7/20/2026	1005		x	T - 102	737		x		x	x	x	x	x	-29	0	02
	7/20/2026	1003		x	T - 103	518		x		x	x	x	x	x	-29	0	03
	7/20/2026	0958		x	T - 104	910		x		x	x	x	x	x	-29	0	04
	7/20/2026	1100		x	T - 105	885		x		x	x	x	x	x	-29	0	05
	7/20/2026	1059		x	T - 106	755		x		x	x	x	x	x	-29	0	06
	7/20/2026	1103		x	T - 107	182		x		x	x	x	x	x	-29	0	07
	7/20/2026	1051		x	T - 108	551		x		x	x	x	x	x	-29	0	08
	7/20/2026	1214		x	T - 109	638		x		x	x	x	x	x	-29	0	09
	7/20/2026	1205		x	T - 110	880		x		x	x	x	x	x	-29	0	10
	7/20/2026	1202		x	T - 111	645		x		x	x	x	x	x	-29	0	11
	7/20/2026	1217		x	T - 112	663		x		x	x	x	x	x	-29	0	12
	7/20/2026	1227		x	T - 113	859		x		x	x	x	x	x	-29	0	13
	7/20/2026	1251		x	T - 114	519		x		x	x	x	x	x	-29	0	14

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
[signature]	7/24/26 1709	[signature]	7/24/26 1200	QC Level 1 2 3
Recieved by [signature] EAS	Date/Time 7/24/26 16:10	Relinquished by	Date/Time	COC
Recieved by	Date/Time	Relinquished by	Date/Time	Ana Req
				Cust Seal
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		Sample Condition

Remarks

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D1

CE Schmidt, PhD, Environmental Consultant

TO-15 Day 2

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:	Client Address and Phone Number *3900 Kilroy Airport Way, Suite 100* *Long Beach, CA 90806 562-743-7895*
Client Name *SCS* *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080	Laboratory Name *EAS*
Project Manager *Pat Sullivan*	530-529-4256 E-Mail: SCHMIDTCE@aol.com	Laboratory Address *173 Cross Street* *San Luis Obispo, CA 93401*
Requested Completion Date		Laboratory Phone *805-781-3585*
		Laboratory Contact *Dr. Steve Hoyt* *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/21/2026	946		x	T - 201	653	1		x		x	x	x	x	x	-29	0	15
	7/21/2026	941		x	T - 202	803	1		x		x	x	x	x	x	-29	0	16
	7/21/2026	937		x	T - 203	668	1		x		x	x	x	x	x	-29	0	17
	7/21/2026	933		x	T - 204	688	1		x		x	x	x	x	x	-29	0	18
	7/21/2026	1052		x	T - 205	761	1		x		x	x	x	x	x	-29	0	19
	7/21/2026	1051		x	T - 206	809	1		x		x	x	x	x	x	-29	0	20
	7/21/2026	1053		x	T - 207	694	1		x		x	x	x	x	x	-29	0	21
	7/21/2026	1045		x	T - 208	526	1		x		x	x	x	x	x	-29	0	22
	7/21/2026	1202		x	T - 209	856	1		x		x	x	x	x	x	-29	0	23
	7/21/2026	1214		x	T - 210	679	1		x		x	x	x	x	x	-29	0	24
	7/21/2026	1210		x	T - 211	762	1		x		x	x	x	x	x	-29	0	25
	7/21/2026	1215		x	T - 212	710	1		x		x	x	x	x	x	-29	0	26
	7/21/2026	1219		x	T - 213	655	1		x		x	x	x	x	x	-29	8	27
	7/21/2026	1238		x	T - 214	692	1		x		x	x	x	x	x	-29	0	28

Sampler C.E. SCHMIDT	Date/Time 7/24/26 1200	Relinquished by C.E. Schmidt	Date/Time 7/24/26 1200
Recieved by Jon Van Wagenen EAS	Date/Time 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D2

20 of 241B

001147 of 006978

CE Schmidt, PhD, Environmental Consultant — TO-15 Day 3

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:	# OF CONTAINERS	Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*
Client Name: *SCS* / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**		Analysis Requested
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080		
Requested Completion Date	530-529-4256		
	E-Mail: SCHMIDTCE@aol.com		

Laboratory Name: *EAS*
Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*
Laboratory Phone: *805-781-3585*
Laboratory Contact: *Dr. Steve Hoyt*, *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (if List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/22/2026	823		X	T - 301	659 807	1		X		X	X	X	X	X	-29	0	29
	7/22/2026	828		X	T - 302		1		X		X	X	X	X	X	-29	0	30
	7/22/2026	822		X	T - 303	754 745	1		X		X	X	X	X	X	-29	0	31
	7/22/2026	826		X	T - 304		1		X		X	X	X	X	X	-29	0	32
	7/22/2026	958		X	T - 305	741 708	1		X		X	X	X	X	X	-29	0	33
	7/22/2026	1001		X	T - 306		1		X		X	X	X	X	X	-29	0	34
	7/22/2026	1001		X	T - 307	698 608	1		X		X	X	X	X	X	-29	0	35
21 of 2418	7/22/2026	959		X	T - 308		1		X		X	X	X	X	X	-29	0	36
	7/22/2026	1117		X	T - 309	647 654	1		X		X	X	X	X	X	-29	0	37
	7/22/2026	1122		X	T - 310		1		X		X	X	X	X	X	-29	0	38
	7/22/2026	1115		X	T - 311	605 730	1		X		X	X	X	X	X	-29	0	39
	7/22/2026	1123		X	T - 312		1		X		X	X	X	X	X	-29	0	40
	7/22/2026	1126		X	T - 313	766 662	1		X		X	X	X	X	X	-29	0	41
	7/22/2026	1130		X	T - 314		1		X		X	X	X	X	X	-29	0	42

Sampler: CE SCHMIDT	Date/Time: 7/24/26 1000	Relinquished by: CE SCHMIDT	Date/Time: 7/24/26 1200
Recieved by: Vina Dr. Comm EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N; QC Level 1 2 3; COC; Ana Req; Cust Seal; Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

CE Schmidt, Phd, Environmental Consultant

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name: SCS / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080
Requested Completion Date	530-529-4256
	E-Mail: SCHMIDTCE@aol.com

Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*

Laboratory Name: *EAS*

Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*

Laboratory Phone: *805-781-3585*

Laboratory Contact: *Dr. Steve Hoyt, stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (inches Hg)	Can Pressure Out (inches	Remarks
	7/23/2026	859		x	T - 401	643 T40	1		x		x	x	x	x	x	-29	0	43
	7/23/2026	900		x	T - 402		1		x		x	x	x	x	x	-29	0	44
	7/23/2026	904		x	T - 403	659	1		x		x	x	x	x	x	-29	0	45
	7/23/2026	907		x	T - 404	618	1		x		x	x	x	x	x	-29	0	46
	7/23/2026	959		x	T - 405	849	1		x		x	x	x	x	x	-29	0	47
	7/23/2026	1002		x	T - 406	506	1		x		x	x	x	x	x	-29	0	48
	7/23/2026	1007		x	T - 407	823	1		x		x	x	x	x	x	-29	0	49
	7/23/2026	1011		x	T - 408	789	1		x		x	x	x	x	x	-29	0	50
	7/23/2026	1110		x	T - 409	732	1		x		x	x	x	x	x	-29	0	51
	7/23/2026	1109		x	T - 410	769	1		x		x	x	x	x	x	-29	0	52
	7/23/2026	1107		x	T - 411	750	1		x		x	x	x	x	x	-29	0	53
	7/23/2026	1108		x	T - 412	803	1		x		x	x	x	x	x	-29	0	54
	7/23/2026	1119		x	T - 413	695	1		x		x	x	x	x	x	-29	0	55
	7/23/2026	1140		x	T - 414	738	1		x		x	x	x	x	x	-29	0	56

Sampler: CES Schmidt	Date/Time: 7/24/26 1200	Relinquished by: CES Schmidt	Date/Time: 7/24/26 1200
Recieved by: Ana Beltran EKS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N; QC Level 1 2 3; COC; Ana Req; Cust Seal; Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D4

CE Schmidt, PhD, Environmental Consultant

TO-15 Day 5

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS				Client Address and Phone Number		Laboratory Name
CES F1-02106						*3900 Kilroy Airport Way, Suite 100*		*EAS*
Client Name						*Long Beach, CA 90806 562-743-7895*		
SCS	Dr. Charles E. Schmidt					Analysis Requested		Laboratory Address
Chiquita Canyon Landfill	19200 Live Oak Road, Red Bluff, CA 96080							*173 Cross Street*
Project Manager	530-529-4256							*San Luis Obispo, CA 93401*
Pat Sullivan	E-Mail: SCHMIDTCE@aol.com							Laboratory Phone
								805-781-3585
Requested Completion Date								Laboratory Contact
								Dr. Steve Hoyt
								stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (If List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/24/2026	922		x	T - 501	895		x		x	x	x	x	x	-29	0	57
	7/24/2026	922		x	T - 502	778		x		x	x	x	x	x	-29	0	58
	7/24/2026	929		x	T - 503	858		x		x	x	x	x	x	-29	0	59
	7/24/2026	921		x	T - 504	556		x		x	x	x	x	x	-29	0	60
	7/24/2026	1036		x	T - 505	621		x		x	x	x	x	x	-29	0	61
	7/24/2026	1031		x	T - 506	760		x		x	x	x	x	x	-29	0	62
	7/24/2026	1037		x	T - 507	696		x		x	x	x	x	x	-29	0	63
	7/24/2026	1033		x	T - 508	768		x		x	x	x	x	x	-29	0	64
	7/24/2026	1144		x	T - 509	857		x		x	x	x	x	x	-29	0	65
23 of 2418	7/24/2026	1144		x	T - 510	647		x		x	x	x	x	x	-29	0	66
	7/24/2026	1140		x	T - 511	786		x		x	x	x	x	x	-29	0	67
	7/24/2026	1144		x	T - 512	807		x		x	x	x	x	x	-29	0	68
	7/24/2026	1148		x	T - 513	892		x		x	x	x	x	x	-29	0	69
	7/24/2026	1105		x	T - 514	775		x		x	x	x	x	x	-29	0	70

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
CB Schmidt	7/24/26 1200	CB Schmidt	7/24/26 1200	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
Vann Bowers EAS	7/24/26 16:10			Ana Req
Recieved by	Date/Time	Relinquished by	Date/Time	Cust Seal
				Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		
Remarks				

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D5

Table 6.2 Target Analyte List for Fixed Gases.

Methane (reanalyze non-detects to <1 ppmv)
Carbon dioxide
Oxygen
Nitrogen
Hydrogen
Carbon monoxide

TO-12

TNMHC (as C1 and C6)

TO-14 (FID)

C2-C12 Speciated

TO-15

Top 10 TICs for each sample
CLP Data Package

Table 6.3 Target List for TO-15 HAP/TAC Speciated Hydrocarbon Analysis.

Propylene
Dichlorodifluoromethane
Methanol
Chloromethane
1,2-Dichlorotetrafluoroethane
Vinyl chloride
1,3-Butadiene
Bromomethane
Chloroethane
Ethanol
Acrolein
Trichlorofluoromethane
Acetone
2-propanol (isopropylalcohol)
t-Butyl alcohol
Methyl iodide
1,1-Dichloroethene
Acrylonitrile
1,1,2-Trichlorotrifluoroethane
Allyl chloride
Methylene chloride
Carbon disulfide
trans-1,2-Dichloroethene
Methyl tert butyl ether
Propionitrile
1,1-Dichloroethane
Ethyl tert butyl ether
Vinyl acetate
2-Butanone (MEK)
Diisopropyl ether
Hexane
Methacrylonitrile
Ethyl acetate
Bromochloromethane
Methyl acrylate
Tetrahydrofuran
Isobutyl alcohol
cis-1,2-Dichloroethene
2,2-Dichloropropane
Chloroform
1,1,1-Trichloroethane
1,2-Dichloroethane
1,1-Dichloropropene
Cyclohexane
Benzene
Carbon tetrachloride
t-Amyl methyl ether
2,2,4-Trimethylpentane
n-Heptane
1,2-Dichloropropane
1,4 Dioxane
Dibromomethane
Trichloroethene (TCE)
Bromodichloromethane
Methyl methacrylate
4-Methyl-2-pentanone (MIBK)
cis-1,3-Dichloropropene
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Ethyl methacrylate
2-Hexanone
1,3-Dichloropropane
Octane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylenes
Nonane
Styrene
Bromoform
o-Xylene
1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane
t-1,4-Dichloro-2-butene
n-Propylbenzene
Isopropylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
Decane
tert-butyl benzene
1,2,4-Trimethylbenzene
i-Butylbenzene
sec-butylbenzene
1,3-Dichlorobenzene
Isopropyltoluene
Benzyl chloride
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
Hexachlorobutadiene
1,1-Difluoroethane

Section 2 Quality Control

This section contains the QC Reports for each Daily Analytical Batch (DAB) which make up the Sample Delivery Group (SDG). It also contains either the EAS or Project QC criteria that was used for the DAB. The methods used for this project have been modified from the original method. The modifications include modifications to the QC for the method. This is either because the method did not specify certain aspects of the QC, the method was originally designed for a different matrix, or additional compounds were added to the target list of the method which required modified QC. The QC modifications used by EAS follows those used by other air testing laboratories.

The Daily Analytical Batch data was checked against the QC criteria for the method. Any deviations from the QC criteria are listed on the QC Reports for each DAB, which are summarized in this section and are given in more detail in Section 4 which has the Quantitation Reports and Calculations for the Samples, Method Blank, Lab Control Spikes, as well as the Initial Calibration and Continuing Calibration. This section contains the following:

Section Contents

Project QC Critera

DAB Quality Control Reports

- Method Blank
- Laboratory Control Spike
- Laboratory Control Duplicate
- Continuing Calibration

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description: METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled: **Time:**
Date Analyzed: 8/3/2026 **Time:** 14:43
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.57	0.69	1.72	0.98	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	87	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled: **Time:**
Date Analyzed: 8/3/2026 **Time:** 14:43
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled:
Date Analyzed: 8/3/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 14:43

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/4/2026 **Time:** 12:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.48	0.69	1.72	0.82	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	86	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled:
Date Analyzed: 8/4/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 12:06

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled:
Date Analyzed: 8/4/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:06

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description: METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled: **Time:**
Date Analyzed: 8/5/2026 **Time:** 11:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	82	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled:
Date Analyzed: 8/5/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:01

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled:
Date Analyzed: 8/5/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:01

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled: **Time:**
Date Analyzed: 8/6/2026 **Time:** 11:54
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled: **Time:**
Date Analyzed: 8/6/2026 **Time:** 11:54
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled:
Date Analyzed: 8/6/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:54

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled: **Time:**
Date Analyzed: 8/7/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled:
Date Analyzed: 8/7/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:58

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled:
Date Analyzed: 8/7/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:58

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled: **Time:**
Date Analyzed: 8/10/2026 **Time:** 12:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	I-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	92	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled:
Date Analyzed: 8/10/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 12:16

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled:
Date Analyzed: 8/10/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:16

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled: **Time:**
Date Analyzed: 8/11/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.89	0.69	1.72	1.54	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled:
Date Analyzed: 8/11/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:58

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled:
Date Analyzed: 8/11/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:58

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled: **Time:**
Date Analyzed: 8/12/2026 **Time:** 11:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled:
Date Analyzed: 8/12/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:46

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled:
Date Analyzed: 8/12/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:46

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/14/2026 **Time:** 12:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled:
Date Analyzed: 8/14/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 12:25

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled:
Date Analyzed: 8/14/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:25

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080326-MB1
Date: 8/3/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	90		95		70	130	5	25	
75-35-4	1,1-Dichloroethene	101		110		70	130	9	25	
75-09-2	Dichloromethane	88		96		70	130	9	25	
75-34-3	1,1-Dichloroethane	86		91		70	130	6	25	
67-66-3	Chloroform	84		90		70	130	7	25	
71-55-6	1,1,1-Trichloroethane	90		89		70	130	1	25	
107-06-2	1,2-Dichloroethane	82		94		70	130	14	25	
71-43-2	Benzene	91		97		70	130	6	25	
56-23-5	Carbon tetrachloride	92		94		70	130	2	25	
79-01-6	Trichloroethene	94		100		70	130	6	25	
108-88-3	Toluene	83		94		70	130	12	25	
106-93-4	1,2-Dibromoethane	71		89		70	130	22	25	
127-18-4	Tetrachloroethene	96		96		70	130	0	25	
100-41-4	Ethylbenzene	90		90		70	130	1	25	
1330-20-7	m,p-Xylenes	91		89		70	130	2	25	
95-47-6	o-Xylene	92		85		70	130	7	25	
108-67-8	1,3,5-Trimethylbenzene	96		78		70	130	20	25	
95-63-6	1,2,4-Trimethylbenzene	83		73		70	130	12	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080426-MB1
Date: 8/4/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	95		74		70	130	25	25	
75-35-4	1,1-Dichloroethene	107		103		70	130	4	25	
75-09-2	Dichloromethane	104		100		70	130	4	25	
75-34-3	1,1-Dichloroethane	94		111		70	130	16	25	
67-66-3	Chloroform	94		104		70	130	11	25	
71-55-6	1,1,1-Trichloroethane	98		87		70	130	12	25	
107-06-2	1,2-Dichloroethane	97		111		70	130	14	25	
71-43-2	Benzene	103		97		70	130	6	25	
56-23-5	Carbon tetrachloride	90		73		70	130	21	25	
79-01-6	Trichloroethene	101		105		70	130	4	25	
108-88-3	Toluene	93		114		70	130	20	25	
106-93-4	1,2-Dibromoethane	105		83		70	130	24	25	
127-18-4	Tetrachloroethene	93		117		70	130	22	25	
100-41-4	Ethylbenzene	128		110		70	130	15	25	
1330-20-7	m,p-Xylenes	129		109		70	130	17	25	
95-47-6	o-Xylene	118		95		70	130	21	25	
108-67-8	1,3,5-Trimethylbenzene	124		127		70	130	3	25	
95-63-6	1,2,4-Trimethylbenzene	126		124		70	130	2	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080526-MB1
Date: 8/5/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	102		97		70	130	6	25	
75-35-4	1,1-Dichloroethene	113		106		70	130	7	25	
75-09-2	Dichloromethane	98		96		70	130	2	25	
75-34-3	1,1-Dichloroethane	92		106		70	130	14	25	
67-66-3	Chloroform	94		106		70	130	12	25	
71-55-6	1,1,1-Trichloroethane	98		100		70	130	3	25	
107-06-2	1,2-Dichloroethane	96		101		70	130	6	25	
71-43-2	Benzene	98		92		70	130	7	25	
56-23-5	Carbon tetrachloride	108		109		70	130	2	25	
79-01-6	Trichloroethene	96		92		70	130	4	25	
108-88-3	Toluene	92		90		70	130	2	25	
106-93-4	1,2-Dibromoethane	104		83		70	130	23	25	
127-18-4	Tetrachloroethene	91		86		70	130	5	25	
100-41-4	Ethylbenzene	93		79		70	130	16	25	
1330-20-7	m,p-Xylenes	90		78		70	130	15	25	
95-47-6	o-Xylene	91		78		70	130	15	25	
108-67-8	1,3,5-Trimethylbenzene	86		81		70	130	6	25	
95-63-6	1,2,4-Trimethylbenzene	87		82		70	130	6	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080626-MB1
Date: 8/6/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	107		98		70	130	9	25	
75-35-4	1,1-Dichloroethene	115		105		70	130	9	25	
75-09-2	Dichloromethane	105		101		70	130	4	25	
75-34-3	1,1-Dichloroethane	103		102		70	130	1	25	
67-66-3	Chloroform	101		99		70	130	2	25	
71-55-6	1,1,1-Trichloroethane	104		93		70	130	11	25	
107-06-2	1,2-Dichloroethane	101		98		70	130	3	25	
71-43-2	Benzene	103		102		70	130	1	25	
56-23-5	Carbon tetrachloride	114		102		70	130	11	25	
79-01-6	Trichloroethene	100		105		70	130	5	25	
108-88-3	Toluene	103		121		70	130	17	25	
106-93-4	1,2-Dibromoethane	117		111		70	130	5	25	
127-18-4	Tetrachloroethene	99		115		70	130	14	25	
100-41-4	Ethylbenzene	105		115		70	130	9	25	
1330-20-7	m,p-Xylenes	104		126		70	130	19	25	
95-47-6	o-Xylene	104		127		70	130	20	25	
108-67-8	1,3,5-Trimethylbenzene	95		109		70	130	14	25	
95-63-6	1,2,4-Trimethylbenzene	95		105		70	130	9	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080726-MB1
Date: 8/7/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	107		106		70	130	2	25	
75-35-4	1,1-Dichloroethene	116		110		70	130	5	25	
75-09-2	Dichloromethane	109		100		70	130	8	25	
75-34-3	1,1-Dichloroethane	108		100		70	130	8	25	
67-66-3	Chloroform	107		94		70	130	13	25	
71-55-6	1,1,1-Trichloroethane	102		96		70	130	6	25	
107-06-2	1,2-Dichloroethane	112		92		70	130	20	25	
71-43-2	Benzene	107		95		70	130	12	25	
56-23-5	Carbon tetrachloride	106		98		70	130	8	25	
79-01-6	Trichloroethene	98		87		70	130	12	25	
108-88-3	Toluene	99		81		70	130	20	25	
106-93-4	1,2-Dibromoethane	84		75		70	130	12	25	
127-18-4	Tetrachloroethene	90		78		70	130	14	25	
100-41-4	Ethylbenzene	96		75		70	130	24	25	
1330-20-7	m,p-Xylenes	93		73		70	130	24	25	
95-47-6	o-Xylene	92		73		70	130	23	25	
108-67-8	1,3,5-Trimethylbenzene	103		86		70	130	17	25	
95-63-6	1,2,4-Trimethylbenzene	105		90		70	130	16	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081026-MB1
Date: 8/10/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	113		109		70	130	3	25	
75-35-4	1,1-Dichloroethene	117		107		70	130	9	25	
75-09-2	Dichloromethane	104		93		70	130	12	25	
75-34-3	1,1-Dichloroethane	102		98		70	130	4	25	
67-66-3	Chloroform	102		88		70	130	14	25	
71-55-6	1,1,1-Trichloroethane	102		93		70	130	9	25	
107-06-2	1,2-Dichloroethane	107		86		70	130	22	25	
71-43-2	Benzene	100		90		70	130	10	25	
56-23-5	Carbon tetrachloride	102		90		70	130	12	25	
79-01-6	Trichloroethene	94		83		70	130	13	25	
108-88-3	Toluene	96		82		70	130	17	25	
106-93-4	1,2-Dibromoethane	78		71		70	130	9	25	
127-18-4	Tetrachloroethene	87		74		70	130	17	25	
100-41-4	Ethylbenzene	96		76		70	130	24	25	
1330-20-7	m,p-Xylenes	93		75		70	130	22	25	
95-47-6	o-Xylene	83		74		70	130	11	25	
108-67-8	1,3,5-Trimethylbenzene	112		90		70	130	22	25	
95-63-6	1,2,4-Trimethylbenzene	116		94		70	130	21	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081126-MB1
Date: 8/11/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	110		102		70	130	8	25	
75-35-4	1,1-Dichloroethene	110		109		70	130	1	25	
75-09-2	Dichloromethane	110		107		70	130	2	25	
75-34-3	1,1-Dichloroethane	108		119		70	130	10	25	
67-66-3	Chloroform	112		111		70	130	1	25	
71-55-6	1,1,1-Trichloroethane	107		103		70	130	4	25	
107-06-2	1,2-Dichloroethane	114		113		70	130	1	25	
71-43-2	Benzene	102		96		70	130	6	25	
56-23-5	Carbon tetrachloride	105		99		70	130	6	25	
79-01-6	Trichloroethene	98		95		70	130	3	25	
108-88-3	Toluene	105		102		70	130	3	25	
106-93-4	1,2-Dibromoethane	111		94		70	130	16	25	
127-18-4	Tetrachloroethene	92		87		70	130	5	25	
100-41-4	Ethylbenzene	108		91		70	130	17	25	
1330-20-7	m,p-Xylenes	106		90		70	130	17	25	
95-47-6	o-Xylene	105		88		70	130	17	25	
108-67-8	1,3,5-Trimethylbenzene	104		94		70	130	10	25	
95-63-6	1,2,4-Trimethylbenzene	99		95		70	130	5	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081226-MB1
Date: 8/12/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	115		112		70	130	3	25	
75-35-4	1,1-Dichloroethene	122		111		70	130	10	25	
75-09-2	Dichloromethane	114		109		70	130	4	25	
75-34-3	1,1-Dichloroethane	115		112		70	130	3	25	
67-66-3	Chloroform	112		106		70	130	6	25	
71-55-6	1,1,1-Trichloroethane	111		105		70	130	6	25	
107-06-2	1,2-Dichloroethane	123		107		70	130	14	25	
71-43-2	Benzene	106		97		70	130	9	25	
56-23-5	Carbon tetrachloride	107		103		70	130	4	25	
79-01-6	Trichloroethene	100		92		70	130	8	25	
108-88-3	Toluene	108		97		70	130	11	25	
106-93-4	1,2-Dibromoethane	123		102		70	130	18	25	
127-18-4	Tetrachloroethene	91		83		70	130	10	25	
100-41-4	Ethylbenzene	105		95		70	130	10	25	
1330-20-7	m,p-Xylenes	106		97		70	130	9	25	
95-47-6	o-Xylene	103		97		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	108		123		70	130	13	25	
95-63-6	1,2,4-Trimethylbenzene	113		130		70	130	14	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081426-MB1
Date: 8/14/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	112		110		70	130	2	25	
75-35-4	1,1-Dichloroethene	116		113		70	130	3	25	
75-09-2	Dichloromethane	104		99		70	130	5	25	
75-34-3	1,1-Dichloroethane	106		102		70	130	3	25	
67-66-3	Chloroform	99		87		70	130	12	25	
71-55-6	1,1,1-Trichloroethane	101		91		70	130	10	25	
107-06-2	1,2-Dichloroethane	105		94		70	130	11	25	
71-43-2	Benzene	102		95		70	130	7	25	
56-23-5	Carbon tetrachloride	95		91		70	130	5	25	
79-01-6	Trichloroethene	93		89		70	130	4	25	
108-88-3	Toluene	97		93		70	130	4	25	
106-93-4	1,2-Dibromoethane	96		84		70	130	13	25	
127-18-4	Tetrachloroethene	84		77		70	130	9	25	
100-41-4	Ethylbenzene	85		80		70	130	6	25	
1330-20-7	m,p-Xylenes	82		78		70	130	5	25	
95-47-6	o-Xylene	81		79		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	73		88		70	130	19	25	
95-63-6	1,2,4-Trimethylbenzene	74		95		70	130	24	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

Section 3 Analytical Methods

This section has information on the analytial methods and a copy of the analytical reports for the Sample Delivery Group (SDG) listed below. The reports are organized in order of the EAS Laboratory Number.

Section Contents

Analytical Method Description(s)

Analytical Reports

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description: T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.03	0.69	1.72	1.78	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.69	1.24	2.07	7.64	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	1.98	0.92	2.76	4.55	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	12.51	4.76	5.71	29.76	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.32	1.18	3.54	12.76	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.52	1.41	3.53	5.36	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.70	4.48	6.40	5.45	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.94	3.02	3.77	3.55	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.41	1.64	13.13	26.29	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	88	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	189.69	2.71	3.25	513.12	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	18.30	28.67	61.43	74.95

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 02

File Name: 2614402A.D
Description: T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.90	0.69	1.72	3.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.77	1.24	2.07	7.80	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	91.25	3.78	24.24	172.28	
107-02-8	Acrolein	0.40	1.20	2.60	0.92	2.76	5.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	27.15	4.76	5.71	64.60	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.90	2.34	7.02	11.11	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	9.89	1.18	3.54	29.21	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.42	1.41	3.53	8.55	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.37	4.48	6.40	7.59	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	9.07	1.64	13.13	37.23	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 02

File Name: 2614402A.D
Description T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	222.96	2.71	3.25	603.13	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 02

File Name: 2614402A.D
Description T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOHEXANONE, 3-METHYL	7.00	15.00	12.50	28.67	61.43	51.19
2-HEPTANONE, 6-METHYL-	7.00	15.00	24.50	28.67	61.43	100.34

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 03

File Name: 2614403A.D
Description: T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.17	0.69	1.72	2.01	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.11	2.62	3.15	6.70	
74-87-3	Chloromethane	0.60	1.00	3.87	1.24	2.07	8.01	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	45.11	3.78	24.24	85.17	
107-02-8	Acrolein	0.40	1.20	2.60	0.92	2.76	5.98	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	20.92	4.76	5.71	49.77	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.55	1.18	3.54	13.44	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.89	1.41	3.53	6.67	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.72	4.48	6.40	5.51	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.60	1.64	13.13	14.77	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 03

File Name: 2614403A.D
Description: T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	212.39	2.71	3.25	574.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 03

File Name: 2614403A.D
Description T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	22.80	28.67	61.43	93.38

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 04**

File Name: 2614404A.D **Date Sampled:** 7/20/2026 **Time:** 09:58
Description: T-104 **Date Analyzed:** 8/4/2026 **Time:** 17:47
Canister: 990 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.78	0.69	1.72	3.07	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	11.17	2.62	3.15	14.64	
74-87-3	Chloromethane	0.60	1.00	4.04	1.24	2.07	8.36	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	73.97	3.78	24.24	139.66	
107-02-8	Acrolein	0.40	1.20	5.38	0.92	2.76	12.36	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	96.70	4.76	5.71	230.10	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.30	1.97	12.31	5.65	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	49.30	1.18	3.54	145.56	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.75	1.41	3.53	6.16	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.71	4.48	6.40	5.46	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.97	1.64	13.13	8.08	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.21	3.02	3.77	4.57	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	11.53	1.64	13.13	47.30	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.85	4.40	13.19	10.16	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 04

File Name: 2614404A.D
Description T-104
Canister: 990
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 09:58
Date Analyzed: 8/4/2026 **Time:** 17:47
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.60	2.71	3.25	585.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 04

File Name: 2614404A.D
Description T-104
Canister: 990
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 09:58
Date Analyzed: 8/4/2026 **Time:** 17:47
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-PENTANONE	7.00	15.00	28.20	28.67	61.43	115.49

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 05

File Name: 2614405A.D
Description: T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.28	0.69	1.72	2.20	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.24	2.62	3.15	4.25	
74-87-3	Chloromethane	0.60	1.00	3.68	1.24	2.07	7.61	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.93	3.78	24.24	47.07	
107-02-8	Acrolein	0.40	1.20	3.48	0.92	2.76	8.00	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	18.36	4.76	5.71	43.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.01	1.97	12.31	2.49	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	1.25	0.70	3.48	4.36	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.25	1.18	3.54	21.42	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	17.09	1.41	3.53	60.34	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.52	4.48	6.40	8.05	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.92	3.02	3.77	3.46	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.76	1.64	13.13	27.75	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.70	1.74	4.35	3.04	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.94	1.74	4.35	4.11	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.19	4.40	13.19	6.51	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 05

File Name: 2614405A.D
Description T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	214.86	2.71	3.25	581.20	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 05

File Name: 2614405A.D
Description T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description: T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.31	0.69	1.72	3.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.86	1.24	2.07	7.98	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	263.84	3.78	24.24	498.13	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.56	4.76	5.71	41.77	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.31	0.70	3.48	11.52	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	38.27	1.41	3.53	135.10	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	4.67	4.48	6.40	14.93	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.08	3.02	3.77	11.61	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.30	1.64	13.13	5.34	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.14	1.74	4.35	4.97	
1330-20-7	m,p-Xylenes	0.40	1.00	2.68	1.74	4.35	11.67	
111-84-2	Nonane	0.40	1.00	0.58	2.10	5.25	3.07	J
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.89	1.74	4.35	3.85	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.19	4.40	13.19	12.02	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description: T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.29	2.71	3.25	595.91	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOBUTANE, ETHYL-	7.00	15.00	13.90	28.67	61.43	56.93

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The Identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 07

File Name: 2614407A.D
Description: T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.29	0.69	1.72	2.23	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.69	1.24	2.07	7.64	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	32.10	3.78	24.24	60.61	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.98	4.76	5.71	26.12	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	2.85	0.70	3.48	9.90	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	44.46	1.41	3.53	156.96	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.86	0.59	3.54	5.50	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	9.64	4.48	6.40	30.85	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	11.06	3.02	3.77	41.71	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.86	1.64	13.13	7.65	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	0.96	1.87	4.68	4.48	J
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	3.95	1.74	4.35	17.17	
1330-20-7	m,p-Xylenes	0.40	1.00	6.18	1.74	4.35	26.87	
111-84-2	Nonane	0.40	1.00	1.94	2.10	5.25	10.20	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.53	1.74	4.35	6.67	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	1.64	4.66	13.99	9.57	J
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.57	4.40	13.19	14.15	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 07

File Name: 2614407A.D
Description T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.00	2.71	3.25	584.30	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 07

File Name: 2614407A.D
Description T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOPENTANE, METHYL-	7.00	15.00	18.40	28.67	61.43	75.36
BICYCLO[2.2.1]HEPT-2-ENE, 1,7,7-TRI	7.00	15.00	17.80	28.67	61.43	72.90

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 08

File Name: 2614408A.D
Description: T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.64	0.69	1.72	8.00	
75-71-8	Dichlorodifluoromethane	0.60	1.00	1.33	2.97	4.95	6.58	
67-56-1	Methanol	2.00	2.40	4.15	2.62	3.15	5.44	
74-87-3	Chloromethane	0.60	1.00	3.87	1.24	2.07	8.00	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.58	3.78	24.24	36.96	
107-02-8	Acrolein	0.40	1.20	3.72	0.92	2.76	8.55	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	11.49	4.76	5.71	27.34	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.08	0.70	3.48	10.69	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	39.89	1.41	3.53	140.81	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.80	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.44	3.02	3.77	5.44	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	0.58	1.74	4.35	2.52	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 08

File Name: 2614408A.D
Description T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	161.74	2.71	3.25	437.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 08

File Name: 2614408A.D
Description T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOPROPANE, PROPYL-	7.00	15.00	14.50	28.67	61.43	59.38

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 09

File Name: 2614409A.D
Description: T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.24	0.69	1.72	2.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	1.33	2.97	4.95	6.59	
67-56-1	Methanol	2.00	2.40	4.35	2.62	3.15	5.70	
74-87-3	Chloromethane	0.60	1.00	3.64	1.24	2.07	7.53	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	50.67	3.78	24.24	95.67	
107-02-8	Acrolein	0.40	1.20	5.07	0.92	2.76	11.65	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.95	4.76	5.71	26.05	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.25	0.70	3.48	11.31	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	52.78	1.41	3.53	186.32	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.75	0.59	3.54	5.15	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	7.51	4.48	6.40	24.02	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.87	3.02	3.77	14.60	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	0.74	1.87	4.68	3.44	J
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	6.28	1.74	4.35	27.32	
1330-20-7	m,p-Xylenes	0.40	1.00	6.80	1.74	4.35	29.58	
111-84-2	Nonane	0.40	1.00	2.84	2.10	5.25	14.91	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	3.35	1.74	4.35	14.58	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	1.18	3.94	13.78	5.81	J
98-82-8	Isopropylbenzene	0.80	2.80	3.34	3.94	13.78	16.43	
622-96-8	4-Ethyltoluene	0.80	6.40	4.30	3.94	31.51	21.16	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	8.45	4.66	13.99	49.26	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.95	3.94	17.72	19.44	
538-93-2	i-Butylbenzene	0.80	2.40	1.25	4.40	13.19	6.86	J
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	27.42	4.40	13.19	150.72	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 09

File Name: 2614409A.D
Description T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.08	2.71	3.25	449.27	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 09

File Name: 2614409A.D
Description T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description: T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.94	0.69	1.72	1.62	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.70	2.62	3.15	6.16	
74-87-3	Chloromethane	0.60	1.00	3.59	1.24	2.07	7.42	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	55.77	3.78	24.24	105.30	
107-02-8	Acrolein	0.40	1.20	2.23	0.92	2.76	5.12	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.88	4.76	5.71	16.37	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.69	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.12	1.41	3.53	7.49	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.33	4.48	6.40	7.44	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.02	1.74	4.35	4.44	
1330-20-7	m,p-Xylenes	0.40	1.00	1.12	1.74	4.35	4.87	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	0.85	3.94	31.51	4.19	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	1.06	4.66	13.99	6.18	J
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	3.66	4.40	13.19	20.10	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	214.10	2.71	3.25	579.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description: T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.42	1.24	2.07	7.06	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.37	3.78	24.24	46.01	
107-02-8	Acrolein	0.40	1.20	1.99	0.92	2.76	4.57	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	26.25	4.76	5.71	62.47	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.68	1.97	12.31	4.15	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.91	1.18	3.54	26.32	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.55	1.41	3.53	5.47	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 11

File Name: 2614411A.D
Description T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	147.65	2.71	3.25	399.40	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 12

File Name: 2614412A.D
Description: T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.71	2.62	3.15	7.48	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	46.26	3.78	24.24	87.35	
107-02-8	Acrolein	0.40	1.20	2.06	0.92	2.76	4.74	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	7.34	4.76	5.71	17.47	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.03	1.41	3.53	7.15	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.95	0.59	3.54	5.75	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	8.32	4.48	6.40	26.62	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.45	3.02	3.77	13.00	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	4.93	1.74	4.35	21.43	
1330-20-7	m,p-Xylenes	0.40	1.00	4.86	1.74	4.35	21.15	
111-84-2	Nonane	0.40	1.00	2.47	2.10	5.25	12.98	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.64	1.74	4.35	11.48	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.58	3.94	13.78	12.72	J
622-96-8	4-Ethyltoluene	0.80	6.40	3.67	3.94	31.51	18.09	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	5.89	4.66	13.99	34.31	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.60	3.94	17.72	17.73	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	14.13	4.40	13.19	77.65	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 12

File Name: 2614412A.D
Description T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	205.58	2.71	3.25	556.12	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 12

File Name: 2614412A.D
Description T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 13

File Name: 2614413A.D
Description: T-113
Canister: 859
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:11
Date Analyzed: 8/5/2026 **Time:** 14:48
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.79	2.62	3.15	6.28	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	47.18	3.78	24.24	89.07	
107-02-8	Acrolein	0.40	1.20	2.16	0.92	2.76	4.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	7.73	4.76	5.71	18.40	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.51	1.41	3.53	5.33	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.62	0.59	3.54	4.79	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	6.68	4.48	6.40	21.36	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	2.95	3.02	3.77	11.12	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	4.48	1.74	4.35	19.50	
1330-20-7	m,p-Xylenes	0.40	1.00	5.25	1.74	4.35	22.85	
111-84-2	Nonane	0.40	1.00	2.20	2.10	5.25	11.59	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.49	1.74	4.35	10.82	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.32	3.94	13.78	11.41	J
622-96-8	4-Ethyltoluene	0.80	6.40	3.28	3.94	31.51	16.15	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	5.85	4.66	13.99	34.09	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.13	3.94	17.72	15.39	J
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	15.58	4.40	13.19	85.60	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 13**

File Name: 2614413A.D
Description T-113
Canister: 859
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:11
Date Analyzed: 8/5/2026 **Time:** 14:48
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	193.06	2.71	3.25	522.25	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 13

File Name: 2614413A.D
Description T-113
Canister: 859
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:11
Date Analyzed: 8/5/2026 **Time:** 14:48
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 14**

File Name: 2614414A.D **Date Sampled:** 7/20/2026 **Time:** 12:51
Description: T-114 **Date Analyzed:** 8/4/2026 **Time:** 12:44
Canister: 529 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.84	0.69	1.72	1.46	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.86	1.41	3.53	3.02	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 14

File Name: 2614414A.D
Description T-114
Canister: 529
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:51
Date Analyzed: 8/4/2026 **Time:** 12:44
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	210.29	2.71	3.25	568.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 14

File Name: 2614414A.D
Description T-114
Canister: 529
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:51
Date Analyzed: 8/4/2026 **Time:** 12:44
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 15**

File Name: 2614415A.D
Description: T-201
Canister: 653
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:16
Date Analyzed: 8/5/2026 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.62	0.69	1.72	2.80	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.18	2.62	3.15	13.34	
74-87-3	Chloromethane	0.60	1.00	1.15	1.24	2.07	2.38	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	55.78	3.78	24.24	105.32	
107-02-8	Acrolein	0.40	1.20	3.98	0.92	2.76	9.15	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.54	4.76	5.71	41.74	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.59	1.18	3.54	25.38	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.59	4.48	6.40	8.27	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	10.80	1.64	13.13	44.30	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 15

File Name: 2614415A.D
Description T-201
Canister: 653
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:16
Date Analyzed: 8/5/2026 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	215.97	2.71	3.25	584.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 15

File Name: 2614415A.D
Description T-201
Canister: 653
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:16
Date Analyzed: 8/5/2026 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 16**

File Name: 2614416A.D
Description: T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.21	0.69	1.72	3.81	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	15.88	2.62	3.15	20.81	
74-87-3	Chloromethane	0.60	1.00	1.10	1.24	2.07	2.28	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	43.54	3.78	24.24	82.20	
107-02-8	Acrolein	0.40	1.20	4.54	0.92	2.76	10.42	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	22.17	4.76	5.71	52.76	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.69	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.98	1.18	3.54	20.60	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.79	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.05	3.02	3.77	3.95	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	4.14	1.64	13.13	17.00	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 16

File Name: 2614416A.D
Description T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	200.92	2.71	3.25	543.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 16

File Name: 2614416A.D
Description T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 17

File Name: 2614417A.D
Description: T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.01	0.69	1.72	3.46	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	13.57	2.62	3.15	17.78	
74-87-3	Chloromethane	0.60	1.00	1.72	1.24	2.07	3.55	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	27.84	3.78	24.24	52.55	
107-02-8	Acrolein	0.40	1.20	2.39	0.92	2.76	5.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	25.11	4.76	5.71	59.74	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.49	1.18	3.54	7.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.59	4.48	6.40	5.10	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.04	3.02	3.77	3.94	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.04	1.64	13.13	4.28	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 17

File Name: 2614417A.D
Description T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	181.50	2.71	3.25	490.98	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 17

File Name: 2614417A.D
Description T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418B.D
Description: T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	295.51	0.69	1.72	509.28	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	316.25	2.62	3.15	414.47	
74-87-3	Chloromethane	0.60	1.00	180.78	1.24	2.07	373.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	148.52	1.55	3.89	577.24	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.22	3.78	24.24	45.74	
107-02-8	Acrolein	0.40	1.20	53.62	0.92	2.76	123.19	
75-69-4	Trichlorofluoromethane	0.40	1.00	0.96	2.25	5.63	5.42	J
67-64-1	Acetone	2.00	2.40	206.19	4.76	5.71	490.63	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	7.38	1.97	12.31	18.16	
75-65-0	t-Butyl alcohol	0.40	4.00	45.66	1.21	12.14	138.56	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	2.85	0.70	3.48	9.91	
75-15-0	Carbon disulfide	0.40	1.00	64.41	1.25	3.12	200.73	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	1.08	0.81	4.05	4.37	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	181.23	1.18	3.54	535.14	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	40.90	1.41	3.53	144.38	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	50.69	1.44	3.61	182.90	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	9.39	0.79	3.97	37.28	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	64.93	0.81	4.05	263.26	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	71.92	0.69	3.45	248.01	
71-43-2	Benzene	1.40	2.00	72.00	4.48	6.40	230.29	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	31.90	0.94	4.68	149.18	
142-82-5	n-Heptane	0.40	1.00	183.16	1.64	4.10	751.65	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	10.10	0.54	5.38	54.35	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	122.93	1.64	13.13	504.48	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	12.31	0.91	4.55	55.94	
108-88-3	Toluene	0.80	1.00	249.68	3.02	3.77	941.78	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	102.44	1.87	4.68	479.11	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	29.08	0.68	6.79	197.45	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	180.89	1.74	4.35	786.77	
1330-20-7	m,p-Xylenes	0.40	1.00	234.38	1.74	4.35	1,019.43	
111-84-2	Nonane	0.40	1.00	195.65	2.10	5.25	1,028.06	
100-42-5	Styrene	0.60	1.00	25.80	2.56	4.27	110.09	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	174.51	1.74	4.35	759.03	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	52.50	3.94	13.78	258.44	
98-82-8	Isopropylbenzene	0.80	2.80	67.06	3.94	13.78	330.13	
622-96-8	4-Ethyltoluene	0.80	6.40	154.82	3.94	31.51	762.13	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	54.81	3.94	17.72	269.80	
124-18-5	Decane	0.80	2.40	129.04	4.66	13.99	752.04	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	111.48	3.94	17.72	548.81	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	206.39	4.40	13.19	1,134.36	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	39.19	2.10	10.50	205.74	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418B.D
Description T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	201.67	2.71	3.25	545.54	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418B.D
Description T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	240.90	28.67	61.43	986.61
CYCLOPROPANECARBOXYLIC ACID	7.00	15.00	267.30	28.67	61.43	1,094.73
BUTANE, 2-METHYL-	7.00	15.00	237.50	28.67	61.43	972.68
2-BUTENE, 2-METHYL-	7.00	15.00	39.60	28.67	61.43	162.18
FURAN	7.00	15.00	41.10	28.67	61.43	168.33
FURAN, 2-METHYL-	7.00	15.00	35.60	28.67	61.43	145.80
CYCLOHEXANE, 1,2-DIMETHYL-, TRANS·	7.00	15.00	38.00	28.67	61.43	155.63
.ALPHA.-PINENE	7.00	15.00	109.60	28.67	61.43	448.87
NONANE, 3-METHYL-	7.00	15.00	35.20	28.67	61.43	144.16
3',6-DIMETHOXYAURONE	7.00	15.00	45.80	28.67	61.43	187.57

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418A.D
Description: T-204
Canister: 688
QC_Batch: 081226-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/12/2026 **Time:** 18:15
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
109-99-9	Tetrahydrofuran	0.80	4.80	738.23	2.38	14.17	2,179.89	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 18

File Name: 2614418A.D
Description T-204
Canister: 688
QC_Batch: 081226-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/12/2026 **Time:** 18:15
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	652.11	10.82	12.98	1,763.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418A.D
Description T-204
Canister: 688
QC_Batch: 081226-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/12/2026 **Time:** 18:15
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	28.00	60.00	963.60	114.67	245.73	3,946.42
CYCLOPROPANECARBOXYLIC ACID	28.00	60.00	1,069.20	114.67	245.73	4,378.91
BUTANE, 2-METHYL-	28.00	60.00	950.00	114.67	245.73	3,890.72
2-BUTENE, 2-METHYL-	28.00	60.00	158.40	114.67	245.73	648.73
FURAN	28.00	60.00	164.40	114.67	245.73	673.30
FURAN, 2-METHYL-	28.00	60.00	142.40	114.67	245.73	583.20
CYCLOHEXANE, 1,2-DIMETHYL-, TRANS-	28.00	60.00	152.00	114.67	245.73	622.52
.ALPHA.-PINENE	28.00	60.00	438.40	114.67	245.73	1,795.47
NONANE, 3-METHYL-	28.00	60.00	140.80	114.67	245.73	576.65
3',6-DIMETHOXYAURONE	28.00	60.00	183.20	114.67	245.73	750.30

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 19

File Name: 2614419A.D
Description: T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	12.16	0.69	1.72	20.95	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.74	2.62	3.15	27.18	
74-87-3	Chloromethane	0.60	1.00	8.32	1.24	2.07	17.20	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.63	1.55	3.89	14.11	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	103.46	3.78	24.24	195.33	
107-02-8	Acrolein	0.40	1.20	2.92	0.92	2.76	6.70	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	207.94	4.76	5.71	494.78	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	1.88	1.21	12.14	5.72	J
4227-95-6	Methyl iodide	0.40	1.20	3.46	2.34	7.02	20.25	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	17.71	1.18	3.54	52.30	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	2.66	0.59	3.54	7.86	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	1.76	0.98	4.89	8.58	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.87	4.48	6.40	5.99	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.22	3.02	3.77	12.14	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	2.12	1.74	4.35	9.21	
1330-20-7	m,p-Xylenes	0.40	1.00	3.04	1.74	4.35	13.20	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.73	1.74	4.35	7.53	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	1.15	3.94	31.51	5.67	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	1.48	4.40	13.19	8.11	J
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	17.75	4.40	13.19	97.57	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	37.13	2.10	10.50	194.93	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 19

File Name: 2614419A.D
Description: T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	143.34	2.71	3.25	387.75	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 19

File Name: 2614419A.D
Description T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
DISULFIDE, BIS(1-METHYLPROPYL)	7.00	15.00	26.50	28.67	61.43	108.53

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 20

File Name: 2614420A.D
Description: T-206
Canister: 809
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:51
Date Analyzed: 8/5/2026 **Time:** 21:00
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	40.02	0.69	1.72	68.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	29.35	1.24	2.07	60.70	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	12.62	1.55	3.89	49.05	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	103.49	3.78	24.24	195.40	
107-02-8	Acrolein	0.40	1.20	19.92	0.92	2.76	45.77	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	66.61	4.76	5.71	158.49	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	3.35	1.21	12.14	10.17	J
4227-95-6	Methyl iodide	0.40	1.20	6.25	2.34	7.02	36.59	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	18.31	1.18	3.54	54.07	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.13	1.41	3.53	4.01	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	13.79	0.59	3.54	40.72	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	3.11	0.98	4.89	15.22	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.60	0.69	3.45	5.52	
71-43-2	Benzene	1.40	2.00	3.41	4.48	6.40	10.92	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	3.81	1.64	4.10	15.65	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	2.77	1.64	13.13	11.36	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	31.61	3.02	3.77	119.23	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	2.05	1.87	4.68	9.57	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	0.72	0.68	6.79	4.89	J
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	16.50	1.74	4.35	71.78	
1330-20-7	m,p-Xylenes	0.40	1.00	24.56	1.74	4.35	106.84	
111-84-2	Nonane	0.40	1.00	7.26	2.10	5.25	38.16	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	8.28	1.74	4.35	36.03	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	5.80	3.94	31.51	28.56	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	6.87	4.66	13.99	40.04	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.40	3.94	17.72	21.68	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	54.88	4.40	13.19	301.61	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	22.26	2.10	10.50	116.87	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 20

File Name: 2614420A.D
Description T-206
Canister: 809
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:51
Date Analyzed: 8/5/2026 **Time:** 21:00
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	136.38	2.71	3.25	368.91	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 20

File Name: 2614420A.D
Description: T-206
Canister: 809
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:51
Date Analyzed: 8/5/2026 **Time:** 21:00
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
.ALPHA.-PINENE	7.00	15.00	74.30	28.67	61.43	304.30
DISULFIDE, BIS(2-METHYLPROPYL)	7.00	15.00	21.00	28.67	61.43	86.01

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 21

File Name: 2614421A.D
Description: T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.57	0.69	1.72	7.87	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	189.93	2.62	3.15	248.92	
74-87-3	Chloromethane	0.60	1.00	7.42	1.24	2.07	15.35	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.73	1.55	3.89	18.39	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	94.53	3.78	24.24	178.48	
107-02-8	Acrolein	0.40	1.20	10.55	0.92	2.76	24.24	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	79.02	4.76	5.71	188.03	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	5.54	1.97	12.31	13.63	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.67	2.34	7.02	15.60	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.16	1.18	3.54	21.16	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	4.05	0.98	4.89	19.80	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.60	4.48	6.40	5.12	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.51	3.02	3.77	5.71	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	2.77	1.74	4.35	12.03	
1330-20-7	m,p-Xylenes	0.40	1.00	3.15	1.74	4.35	13.69	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.43	1.74	4.35	10.56	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	8.78	4.40	13.19	48.24	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	2.01	2.10	10.50	10.56	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 21

File Name: 2614421A.D
Description T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	112.73	2.71	3.25	304.95	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 21

File Name: 2614421A.D
Description T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 22

File Name: 2614422A.D
Description: T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	227.33	0.69	1.72	391.78	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.24	2.62	3.15	5.56	
74-87-3	Chloromethane	0.60	1.00	23.44	1.24	2.07	48.47	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	20.67	1.55	3.89	80.33	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	8.72	3.78	24.24	16.46	J
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	56.45	4.76	5.71	134.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	5.39	2.34	7.02	31.53	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.97	1.41	3.53	6.96	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	17.29	0.59	3.54	51.06	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	2.27	0.79	3.97	8.99	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.67	0.69	3.45	5.77	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	4.16	1.64	4.10	17.07	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.65	0.54	5.38	14.24	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	93.11	3.02	3.77	351.19	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	7.06	1.87	4.68	33.03	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	8.26	0.68	6.79	56.06	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	95.03	1.74	4.35	413.32	
1330-20-7	m,p-Xylenes	0.40	1.00	127.11	1.74	4.35	552.85	
111-84-2	Nonane	0.40	1.00	26.15	2.10	5.25	137.38	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	45.01	1.74	4.35	195.76	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	8.04	3.94	13.78	39.56	
622-96-8	4-Ethyltoluene	0.80	6.40	20.44	3.94	31.51	100.63	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	6.50	3.94	17.72	31.99	
124-18-5	Decane	0.80	2.40	19.63	4.66	13.99	114.42	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	13.24	3.94	17.72	65.16	
538-93-2	i-Butylbenzene	0.80	2.40	20.06	4.40	13.19	110.27	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	99.15	4.40	13.19	544.93	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	7.12	2.10	10.50	37.40	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 22

File Name: 2614422A.D
Description T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	96.03	2.71	3.25	259.77	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 22

File Name: 2614422A.D
Description T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	112.70	28.67	61.43	461.56
BUTANE	7.00	15.00	106.90	28.67	61.43	437.81
BUTANE, 2-METHYL-	7.00	15.00	34.20	28.67	61.43	140.07
.ALPHA.-PINENE	7.00	15.00	112.40	28.67	61.43	460.33
UNKNOWN SILOXANE	7.00	15.00	66.20	28.67	61.43	271.12
3-CARENE	7.00	15.00	29.10	28.67	61.43	119.18

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 23

File Name: 2614423A.D
Description: T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	2.38	1.24	2.07	4.92	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.02	1.55	3.89	7.85	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	1.67	0.92	2.76	3.83	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.41	4.76	5.71	22.38	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.01	2.34	7.02	11.76	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.16	1.18	3.54	12.29	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	1.31	1.41	7.05	4.62	J
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.31	2.10	10.50	6.86	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 23

File Name: 2614423A.D
Description T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	118.09	2.71	3.25	319.43	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 23

File Name: 2614423A.D
Description T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 24

File Name: 2614424A.D
Description: T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.91	0.69	1.72	3.29	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	132.49	2.62	3.15	173.63	
74-87-3	Chloromethane	0.60	1.00	3.34	1.24	2.07	6.91	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.50	1.55	3.89	9.74	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.54	3.78	24.24	36.90	
107-02-8	Acrolein	0.40	1.20	6.14	0.92	2.76	14.12	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	25.84	4.76	5.71	61.49	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.95	1.97	12.31	4.80	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.07	2.34	7.02	12.14	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 24

File Name: 2614424A.D
Description T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	104.95	2.71	3.25	283.89	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 24

File Name: 2614424A.D
Description T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 25

File Name: 2614425A.D
Description: T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.70	0.69	1.72	2.94	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.19	2.62	3.15	13.35	
74-87-3	Chloromethane	0.60	1.00	2.25	1.24	2.07	4.65	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	2.43	3.78	24.24	4.59	J
107-02-8	Acrolein	0.40	1.20	3.08	0.92	2.76	7.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	11.19	4.76	5.71	26.62	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.84	2.34	7.02	10.80	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.21	1.18	3.54	6.53	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.30	4.40	13.19	7.13	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 1
Laboratory ID: 25

File Name: 2614425A.D
Description T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	98.94	2.71	3.25	267.63	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 25

File Name: 2614425A.D
Description T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 26**

File Name:	2614426A.D	**Date Sampled:**	7/21/2026	**Time:**	12:15
Description:	T-212	**Date Analyzed:**	8/6/2026	**Time:**	17:12
Canister:	710	**Can Dilution Factor:**	1.00		
QC_Batch:	080626-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	26.85	0.69	1.72	46.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	107.56	2.62	3.15	140.96	
74-87-3	Chloromethane	0.60	1.00	10.54	1.24	2.07	21.81	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	4.06	2.80	7.00	28.41	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.06	1.55	3.89	15.80	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.29	3.78	24.24	43.97	
107-02-8	Acrolein	0.40	1.20	9.97	0.92	2.76	22.92	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	79.78	4.76	5.71	189.84	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.49	1.97	12.31	20.90	
75-65-0	t-Butyl alcohol	0.40	4.00	7.80	1.21	12.14	23.67	
4227-95-6	Methyl iodide	0.40	1.20	3.12	2.34	7.02	18.25	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.90	1.18	3.54	26.28	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.59	1.41	3.53	9.14	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	2.50	0.69	3.45	8.63	
71-43-2	Benzene	1.40	2.00	3.80	4.48	6.40	12.15	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	1.67	0.94	4.68	7.82	
142-82-5	n-Heptane	0.40	1.00	4.62	1.64	4.10	18.95	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.22	0.54	5.38	11.94	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	80.35	3.02	3.77	303.09	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	2.14	0.68	6.79	14.56	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	89.32	1.74	4.35	388.49	
1330-20-7	m,p-Xylenes	0.40	1.00	108.49	1.74	4.35	471.89	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	2.18	2.56	4.27	9.29	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	81.75	1.74	4.35	355.57	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	15.52	3.94	13.78	76.39	
98-82-8	Isopropylbenzene	0.80	2.80	20.92	3.94	13.78	103.01	
622-96-8	4-Ethyltoluene	0.80	6.40	55.88	3.94	31.51	275.06	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	25.56	3.94	17.72	125.81	
124-18-5	Decane	0.80	2.40	14.72	4.66	13.99	85.79	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	51.67	3.94	17.72	254.34	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	28.73	4.40	13.19	157.92	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	4.66	2.10	10.50	24.46	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 1
Laboratory ID: 26

File Name: 2614426A.D
Description T-212
Canister: 710
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:15
Date Analyzed: 8/6/2026 **Time:** 17:12
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.87	2.71	3.25	451.39	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 26

File Name: 2614426A.D **Date Sampled:** 7/21/2026 **Time:** 12:15
Description: T-212 **Date Analyzed:** 8/6/2026 **Time:** 17:12
Canister: 710 **Can Dilution Factor:** 1.00
QC_Batch: 080626-MA1 **Air Volume:** 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	41.60	28.67	61.43	170.37
2-BUTENE, (E)-	7.00	15.00	27.30	28.67	61.43	111.81
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	23.00	28.67	61.43	94.20
CYCLOHEXANE, 1-ETHYL-4-METHYL-,	7.00	15.00	39.90	28.67	61.43	163.41
.ALPHA.-PINENE	7.00	15.00	96.10	28.67	61.43	393.58
DECANE, 2,6,8-TRIMETHYL-	7.00	15.00	45.80	28.67	61.43	187.57
CAMPHENE	7.00	15.00	87.10	28.67	61.43	356.72

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 27

File Name: 2614427A.D
Description: T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	28.33	0.69	1.72	48.82	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	107.83	2.62	3.15	141.32	
74-87-3	Chloromethane	0.60	1.00	10.41	1.24	2.07	21.54	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	4.33	2.80	7.00	30.32	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.93	1.55	3.89	15.27	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	29.89	3.78	24.24	56.43	
107-02-8	Acrolein	0.40	1.20	8.78	0.92	2.76	20.17	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	78.97	4.76	5.71	187.91	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.02	1.97	12.31	19.74	
75-65-0	t-Butyl alcohol	0.40	4.00	7.46	1.21	12.14	22.65	
4227-95-6	Methyl iodide	0.40	1.20	3.14	2.34	7.02	18.39	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	10.22	1.18	3.54	30.19	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.48	1.41	3.53	8.76	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	2.90	0.69	3.45	10.00	
71-43-2	Benzene	1.40	2.00	5.28	4.48	6.40	16.88	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	1.92	0.94	4.68	8.96	
142-82-5	n-Heptane	0.40	1.00	5.21	1.64	4.10	21.38	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.42	0.54	5.38	13.01	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	84.70	3.02	3.77	319.48	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	2.29	0.68	6.79	15.55	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	90.98	1.74	4.35	395.70	
1330-20-7	m,p-Xylenes	0.40	1.00	108.73	1.74	4.35	472.89	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	2.05	2.56	4.27	8.74	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	83.83	1.74	4.35	364.63	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	16.60	3.94	13.78	81.71	
98-82-8	Isopropylbenzene	0.80	2.80	21.15	3.94	13.78	104.10	
622-96-8	4-Ethyltoluene	0.80	6.40	57.95	3.94	31.51	285.28	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	25.75	3.94	17.72	126.75	
124-18-5	Decane	0.80	2.40	15.59	4.66	13.99	90.87	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	53.90	3.94	17.72	265.36	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	28.52	4.40	13.19	156.75	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	5.09	2.10	10.50	26.72	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 27

File Name: 2614427A.D
Description T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.04	2.71	3.25	449.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 27

File Name: 2614427A.D
Description: T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	47.40	28.67	61.43	194.13
2-BUTENE, (E)-	7.00	15.00	30.20	28.67	61.43	123.68
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	17.20	28.67	61.43	70.44
CYCLOHEXANE, 1-ETHYL-4-METHYL-	7.00	15.00	40.00	28.67	61.43	163.82
.ALPHA.-PINENE	7.00	15.00	96.90	28.67	61.43	396.85
DECANE, 2,6,8-TRIMETHYL-	7.00	15.00	52.40	28.67	61.43	214.60
CAMPHENE	7.00	15.00	100.30	28.67	61.43	410.78

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 28

File Name: C08036E.D
Description: T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.84	0.69	1.72	1.45	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	87	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	190.67	2.71	3.25	515.78	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 29

File Name: 2614429A.D
Description: T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.01	0.69	1.72	3.47	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.82	2.62	3.15	3.70	
74-87-3	Chloromethane	0.60	1.00	0.97	1.24	2.07	2.01	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	33.54	3.78	24.24	63.32	
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	14.64	4.76	5.71	34.84	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.39	1.97	12.31	3.43	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.62	1.18	3.54	13.63	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.08	4.48	6.40	6.64	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.16	1.64	13.13	12.95	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 29**

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.40	2.71	3.25	596.20	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 29

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 30**

File Name: 2614430A.D **Date Sampled:** 7/22/2026 **Time:** 08:28
Description: T-302 **Date Analyzed:** 8/11/2026 **Time:** 13:20
Canister: 897 **Can Dilution Factor:** 1.00
QC_Batch: 081126-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.06	0.69	1.72	1.82	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.83	3.78	24.24	45.00	
107-02-8	Acrolein	0.40	1.20	0.99	0.92	2.76	2.28	J
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.00	4.76	5.71	14.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	I-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 30

File Name: 2614430A.D
Description T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	160.61	2.71	3.25	434.46	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 30

File Name: 2614430A.D
Description T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 31**

File Name: 2614431A.D **Date Sampled:** 7/22/2026 **Time:** 08:23
Description: T-303 **Date Analyzed:** 8/6/2026 **Time:** 19:39
Canister: 754 **Can Dilution Factor:** 1.00
QC_Batch: 080626-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.54	0.69	1.72	2.66	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.34	2.62	3.15	5.69	
74-87-3	Chloromethane	0.60	1.00	1.81	1.24	2.07	3.74	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.60	3.78	24.24	44.57	
107-02-8	Acrolein	0.40	1.20	2.64	0.92	2.76	6.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.74	4.76	5.71	20.79	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.39	1.18	3.54	4.12	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.66	1.41	3.53	5.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.67	4.48	6.40	5.33	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.50	1.64	13.13	6.14	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 31

File Name: 2614431A.D
Description T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	145.80	2.71	3.25	394.40	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 31

File Name: 2614431A.D
Description T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description: T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.50	0.69	1.72	2.58	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.42	2.62	3.15	3.17	
74-87-3	Chloromethane	0.60	1.00	1.21	1.24	2.07	2.50	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	5.03	3.78	24.24	9.50	J
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.30	4.76	5.71	31.65	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.56	1.18	3.54	10.52	
108-20-3	Dilsopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.02	1.41	3.53	3.61	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.36	1.64	13.13	13.79	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	133.44	2.71	3.25	360.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 33

File Name: 2614433A.D
Description: T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.77	0.69	1.72	3.05	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.79	2.62	3.15	11.52	
74-87-3	Chloromethane	0.60	1.00	1.49	1.24	2.07	3.07	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.32	3.78	24.24	28.93	
107-02-8	Acrolein	0.40	1.20	2.39	0.92	2.76	5.50	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	18.06	4.76	5.71	42.98	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.75	1.18	3.54	19.93	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.12	1.41	3.53	3.95	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.88	1.64	13.13	15.92	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 33

File Name: 2614433A.D
Description T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	171.87	2.71	3.25	464.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 33

File Name: 2614433A.D
Description T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description: T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.75	0.69	1.72	8.19	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	31.97	2.62	3.15	41.90	
74-87-3	Chloromethane	0.60	1.00	3.51	1.24	2.07	7.26	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.25	1.55	3.89	12.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	14.45	3.78	24.24	27.29	
107-02-8	Acrolein	0.40	1.20	7.08	0.92	2.76	16.26	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	73.71	4.76	5.71	175.40	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.81	1.97	12.31	6.92	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.00	2.34	7.02	11.68	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	1.46	1.25	3.12	4.55	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	16.37	1.18	3.54	48.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.06	1.41	3.53	3.75	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	2.03	0.98	4.89	9.94	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	8.89	1.64	13.13	36.49	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	1.04	1.74	4.35	4.54	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.68	2.10	10.50	8.83	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	97	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	172.22	2.71	3.25	465.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	24.90	28.67	61.43	101.98
1-HEXANOL, 2-ETHYL-	7.00	15.00	19.50	28.67	61.43	79.86

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 35

File Name: 2614435B.D
Description: T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.90	0.69	1.72	8.44	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.50	2.62	3.15	11.14	
74-87-3	Chloromethane	0.60	1.00	1.36	1.24	2.07	2.81	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	26.49	3.78	24.24	50.02	
107-02-8	Acrolein	0.40	1.20	2.79	0.92	2.76	6.40	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.82	4.76	5.71	23.37	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.65	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.60	1.18	3.54	4.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.78	1.41	3.53	2.77	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.84	0.98	4.89	4.13	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 35

File Name: 2614435B.D
Description T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	147.76	2.71	3.25	399.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 35

File Name: 2614435B.D
Description T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL	7.00	15.00	12.00	28.67	61.43	49.15

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 36

File Name: 2614436B.D
Description: T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	179.83	0.69	1.72	309.91	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	26.00	2.62	3.15	34.07	
74-87-3	Chloromethane	0.60	1.00	11.85	1.24	2.07	24.51	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.57	1.55	3.89	17.77	
75-00-3	Chloroethane	0.40	1.00	19.50	1.06	2.64	51.51	
64-17-5	Ethanol	2.00	12.84	38.73	3.78	24.24	73.13	
107-02-8	Acrolein	0.40	1.20	77.37	0.92	2.76	177.77	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	55.20	4.76	5.71	131.36	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.86	1.97	12.31	4.59	J
75-65-0	t-Butyl alcohol	0.40	4.00	1.54	1.21	12.14	4.69	J
4227-95-6	Methyl iodide	0.40	1.20	3.33	2.34	7.02	19.52	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	1.05	0.79	3.17	4.15	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	49.43	1.41	3.53	174.50	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	9.10	0.79	3.97	36.11	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	10.25	0.81	4.05	41.54	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	70.28	0.69	3.45	242.36	
71-43-2	Benzene	1.40	2.00	24.92	4.48	6.40	79.72	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	18.73	0.94	4.68	87.59	
142-82-5	n-Heptane	0.40	1.00	60.58	1.64	4.10	248.62	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	7.44	0.54	5.38	40.05	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	34.68	3.02	3.77	130.80	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	9.15	0.68	6.79	62.13	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	23.90	1.74	4.35	103.97	
1330-20-7	m,p-Xylenes	0.40	1.00	27.23	1.74	4.35	118.44	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	8.59	1.74	4.35	37.38	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.59	3.94	13.78	12.73	J
622-96-8	4-Ethyltoluene	0.80	6.40	2.61	3.94	31.51	12.86	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.69	4.40	13.19	14.80	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	107	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 36

File Name: 2614436B.D
Description T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	184.51	2.71	3.25	499.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 36

File Name: 2614436B.D
Description: T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
BUTANE	7.00	15.00	234.40	28.67	61.43	959.98
BUTANE, 2-METHYL-	7.00	15.00	110.60	28.67	61.43	452.96
2-PENTENE	7.00	15.00	40.90	28.67	61.43	167.51
1-BUTENE, 2-METHYL-	7.00	15.00	23.60	28.67	61.43	96.65
BUTANE, 2,2-DIMETHYL	7.00	15.00	28.30	28.67	61.43	115.90
CYCLOHEXANE, 1,3-DIMETHYL, CIS-	7.00	15.00	33.20	28.67	61.43	135.97
CYCLOHEXANE, 1,1,3-TRIMETHYL-	7.00	15.00	37.10	28.67	61.43	151.94
BENZENE, 1-CHLORO-4-(TRIFLUOROMET	7.00	15.00	122.80	28.67	61.43	502.93
.ALPHA.-PINENE	7.00	15.00	35.30	28.67	61.43	144.57
2-HEPTANONE, 6-METHYL-	7.00	15.00	23.10	28.67	61.43	94.61

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 37

File Name: 2614437A.D
Description: T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	10.60	0.69	1.72	18.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.23	1.24	2.07	2.54	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	3.75	0.92	2.76	8.61	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.07	4.76	5.71	21.59	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.02	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.68	1.18	3.54	19.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.10	1.41	3.53	3.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.39	0.69	3.45	4.80	
71-43-2	Benzene	1.40	2.00	2.07	4.48	6.40	6.61	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	1.07	1.64	4.10	4.40	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.36	3.02	3.77	5.12	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.42	1.64	13.13	5.82	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.19	1.74	4.35	5.18	
1330-20-7	m,p-Xylenes	0.40	1.00	0.99	1.74	4.35	4.31	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.72	1.74	4.35	3.13	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	138.82	2.71	3.25	375.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 38

File Name: 2614438A.D
Description: T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.69	0.69	1.72	4.64	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.97	1.24	2.07	4.08	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	114.70	3.78	24.24	216.55	
107-02-8	Acrolein	0.40	1.20	8.17	0.92	2.76	18.78	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	137.14	4.76	5.71	326.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.76	1.97	12.31	21.57	
75-65-0	t-Butyl alcohol	0.40	4.00	1.98	1.21	12.14	6.01	J
4227-95-6	Methyl iodide	0.40	1.20	1.98	2.34	7.02	11.56	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	96.41	1.18	3.54	284.68	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.22	1.41	3.53	4.30	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.10	4.48	6.40	6.70	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	3.13	1.64	13.13	12.86	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	13.11	1.64	13.13	53.81	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 38

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	142.99	2.71	3.25	386.81	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 38

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description: T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.40	0.69	1.72	2.42	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.68	1.24	2.07	3.48	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	281.74	3.78	24.24	531.93	
107-02-8	Acrolein	0.40	1.20	4.26	0.92	2.76	9.80	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	12.41	4.76	5.71	29.54	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.87	2.34	7.02	10.95	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.00	1.18	3.54	14.75	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.57	1.41	3.53	2.02	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.20	1.64	13.13	4.91	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 39**

File Name: 2614439A.D
Description T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	119.08	2.71	3.25	322.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description: T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.67	0.69	1.72	2.87	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.74	2.62	3.15	7.53	
74-87-3	Chloromethane	0.60	1.00	1.74	1.24	2.07	3.61	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.20	1.55	3.89	4.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	76.40	3.78	24.24	144.24	
107-02-8	Acrolein	0.40	1.20	6.29	0.92	2.76	14.44	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	30.64	4.76	5.71	72.92	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.01	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	14.35	1.18	3.54	42.37	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.85	1.41	3.53	3.01	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.90	4.48	6.40	6.08	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.43	1.64	13.13	14.07	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 40**

File Name: 2614440A.D
Description T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.85	2.71	3.25	451.35	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 41

File Name: 2614441A.D
Description: T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	3.11	0.69	1.72	5.36	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.22	2.62	3.15	10.78	
74-87-3	Chloromethane	0.60	1.00	2.84	1.24	2.07	5.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.31	1.55	3.89	8.97	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	145.44	3.78	24.24	274.59	
107-02-8	Acrolein	0.40	1.20	9.15	0.92	2.76	21.03	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	31.26	4.76	5.71	74.39	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.01	2.34	7.02	11.77	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	11.18	1.18	3.54	33.01	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.36	1.41	3.53	4.80	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.09	4.48	6.40	6.69	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	5.98	1.64	13.13	24.55	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 41

File Name: 2614441A.D
Description T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	199.57	2.71	3.25	539.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 41

File Name: 2614441A.D
Description: T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
ARSENOUS ACID, TRIS(TRIMETHYLSILYL)	7.00	15.00	54.30	28.67	61.43	222.39
UNKNOWN SILOXANE	7.00	15.00	140.60	28.67	61.43	575.83
TRIDECANE	7.00	15.00	68.40	28.67	61.43	280.13
1-HEXANOL, 2-ETHYL-	7.00	15.00	27.30	28.67	61.43	111.81
OCTANE, 2-METHYL	7.00	15.00	64.90	28.67	61.43	265.80
UNDECANE, 3-METHYL-	7.00	15.00	73.10	28.67	61.43	299.38
HEPTANE, 2,6-DIMETHYL-	7.00	15.00	178.00	28.67	61.43	729.00

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description: T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.55	0.69	1.72	0.95	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	2.25	4.76	5.71	5.35	J
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Dilsopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	171.71	2.71	3.25	464.48	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 43

File Name: 2614443B.D
Description: T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.10	0.69	1.72	7.06	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	18.13	2.62	3.15	23.75	
74-87-3	Chloromethane	0.60	1.00	2.42	1.24	2.07	5.00	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.09	1.55	3.89	8.12	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	75.50	3.78	24.24	142.55	
107-02-8	Acrolein	0.40	1.20	5.51	0.92	2.76	12.67	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	28.38	4.76	5.71	67.53	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.44	1.18	3.54	13.12	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.71	4.48	6.40	8.67	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	104.30	0.54	5.38	561.31	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.66	2.10	10.50	8.74	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 43

File Name: 2614443B.D
Description T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	218.09	2.71	3.25	589.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 43

File Name: 2614443B.D
Description T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
HEPTANE, 1,1'-OXYBIS-	7.00	15.00	13.90	28.67	61.43	56.93

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 44

File Name: 2614444.D
Description: T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	5.18	0.69	1.72	8.93	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.45	2.62	3.15	7.15	
74-87-3	Chloromethane	0.60	1.00	1.46	1.24	2.07	3.01	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.40	3.78	24.24	46.07	
107-02-8	Acrolein	0.40	1.20	3.34	0.92	2.76	7.67	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.17	4.76	5.71	21.82	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.65	1.18	3.54	4.88	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	17.32	0.98	4.89	84.68	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.08	0.69	3.45	3.74	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.37	0.68	6.79	9.33	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 44

File Name: 2614444.D
Description T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.70	2.71	3.25	597.02	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 44

File Name: 2614444.D
Description T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1 PROPANE, 2-METHYL-	7.00	15.00	15.60	28.67	61.43	63.89
BUTANE	7.00	15.00	14.10	28.67	61.43	57.75

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 45

File Name: 2614445.D
Description: T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.86	0.69	1.72	3.21	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.55	2.62	3.15	3.34	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.73	3.78	24.24	29.69	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.94	4.76	5.71	16.52	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	0.91	1.97	12.31	2.24	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.96	1.18	3.54	5.79	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	77.72	0.54	5.38	418.24	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 45**

File Name: 2614445.D **Date Sampled:** 7/23/2026 **Time:** 09:04
Description T-403 **Date Analyzed:** 8/10/2026 **Time:** 13:28
Canister: 699 **Can Dilution Factor:** 1.00
QC_Batch: 081026-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	191.24	2.71	3.25	517.33	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 45

File Name: 2614445.D
Description T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 46**

File Name:	2614446.D	**Date Sampled:**	7/23/2026	**Time:**	09:04
Description:	T-404	**Date Analyzed:**	8/10/2026	**Time:**	14:06
Canister:	618	**Can Dilution Factor:**	1.00		
QC_Batch:	081026-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	15.62	0.69	1.72	26.91	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.62	2.62	3.15	13.92	
74-87-3	Chloromethane	0.60	1.00	1.45	1.24	2.07	2.99	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	27.70	3.78	24.24	52.31	
107-02-8	Acrolein	0.40	1.20	5.64	0.92	2.76	12.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.38	4.76	5.71	31.83	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.70	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.35	1.18	3.54	9.90	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.27	1.41	3.53	4.49	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	23.15	0.98	4.89	113.19	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.04	0.69	3.45	10.48	
71-43-2	Benzene	1.40	2.00	1.96	4.48	6.40	6.27	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	0.94	1.64	4.10	3.88	J
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	2.41	3.02	3.77	9.08	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	0.95	0.68	6.79	6.42	J
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	2.04	1.74	4.35	8.87	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.93	1.74	4.35	4.05	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 46

File Name: 2614446.D
Description: T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	164.57	2.71	3.25	445.18	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 46

File Name: 2614446.D
Description T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 47

File Name: 2614447.D
Description: T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.14	0.69	1.72	1.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.63	2.62	3.15	4.76	
74-87-3	Chloromethane	0.60	1.00	0.74	1.24	2.07	1.52	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	18.06	3.78	24.24	34.10	
107-02-8	Acrolein	0.40	1.20	1.39	0.92	2.76	3.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.23	4.76	5.71	24.35	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.96	0.98	4.89	4.70	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	76.24	0.54	5.38	410.29	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	93	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 47

File Name: 2614447.D
Description T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	187.90	2.71	3.25	508.29	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 47

File Name: 2614447.D
Description T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 48**

File Name: 2614448A.D **Date Sampled:** 7/23/2026 **Time:** 10:02
Description: T-406 **Date Analyzed:** 8/10/2026 **Time:** 16:27
Canister: 506 **Can Dilution Factor:** 1.00
QC_Batch: 081026-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.44	0.69	1.72	4.21	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	15.88	2.62	3.15	20.81	
74-87-3	Chloromethane	0.60	1.00	2.33	1.24	2.07	4.82	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	51.45	3.78	24.24	97.14	
107-02-8	Acrolein	0.40	1.20	6.49	0.92	2.76	14.90	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	46.75	4.76	5.71	111.25	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	3.61	1.97	12.31	8.88	J
75-65-0	t-Butyl alcohol	0.40	4.00	6.72	1.21	12.14	20.39	
4227-95-6	Methyl iodide	0.40	1.20	2.09	2.34	7.02	12.23	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.54	1.18	3.54	16.36	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	4.74	0.59	3.54	13.98	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	2.01	0.98	4.89	9.82	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.53	4.48	6.40	8.08	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	7.24	1.44	7.22	26.12	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.81	1.64	13.13	7.43	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.85	1.74	4.35	3.71	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.98	1.74	4.35	4.28	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.90	1.74	4.35	3.91	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	1.93	2.71	3.25	5.21	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 49

File Name: 2614449A.D
Description: T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.96	0.69	1.72	1.65	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.45	2.62	3.15	3.21	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	10.86	3.78	24.24	20.50	J
107-02-8	Acrolein	0.40	1.20	2.21	0.92	2.76	5.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.37	4.76	5.71	41.33	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.67	1.97	12.31	6.56	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.91	1.18	3.54	23.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	4.61	1.64	13.13	18.94	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.53	2.71	3.25	596.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description: T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	15.92	0.69	1.72	27.44	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	17.96	2.62	3.15	23.54	
74-87-3	Chloromethane	0.60	1.00	3.37	1.24	2.07	6.96	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.95	1.55	3.89	7.59	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	11.13	3.78	24.24	21.01	J
107-02-8	Acrolein	0.40	1.20	10.86	0.92	2.76	24.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	42.56	4.76	5.71	101.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	7.18	1.97	12.31	17.66	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.66	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	13.50	1.18	3.54	39.86	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.54	1.41	3.53	5.45	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	12.50	0.59	3.54	36.92	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	10.08	0.98	4.89	49.28	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.30	0.69	3.45	11.39	
71-43-2	Benzene	1.40	2.00	2.22	4.48	6.40	7.11	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.33	3.02	3.77	5.02	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.74	1.74	4.35	3.22	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.82	1.74	4.35	3.56	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.56	1.74	4.35	2.43	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	0.98	4.40	13.19	5.37	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 50**

File Name: 2614450A.D **Date Sampled:** 7/23/2026 **Time:** 10:11
Description T-408 **Date Analyzed:** 8/10/2026 **Time:** 17:38
Canister: 789 **Can Dilution Factor:** 1.00
QC_Batch: 081026-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	218.39	2.71	3.25	590.75	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 51

File Name: 2614451A.D
Description: T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.21	0.69	1.72	3.80	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.51	2.62	3.15	5.91	
74-87-3	Chloromethane	0.60	1.00	1.25	1.24	2.07	2.59	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.54	1.55	3.89	5.98	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	16.57	3.78	24.24	31.28	
107-02-8	Acrolein	0.40	1.20	2.79	0.92	2.76	6.41	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	16.76	4.76	5.71	39.89	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.15	1.18	3.54	12.27	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.09	4.48	6.40	6.70	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	82.30	0.54	5.38	442.92	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.69	1.64	13.13	15.15	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 51**

File Name:	2614451A.D	**Date Sampled:**	7/23/2026	**Time:**	11:10
Description	T-409	**Date Analyzed:**	8/10/2026	**Time:**	18:16
Canister:	732	**Can Dilution Factor:**	1.00		
QC_Batch:	081026-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	172.09	2.71	3.25	465.52	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 51

File Name: 2614451A.D
Description T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 52**

File Name: 2614452A.D **Date Sampled:** 7/23/2026 **Time:** 11:09
Description: T-410 **Date Analyzed:** 8/10/2026 **Time:** 18:52
Canister: 709 **Can Dilution Factor:** 1.00
QC_Batch: 081026-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.50	0.69	1.72	4.30	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.91	2.62	3.15	27.40	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.56	1.55	3.89	17.73	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
107-02-8	Acrolein	0.40	1.20	6.08	0.92	2.76	13.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	35.17	4.76	5.71	83.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.19	1.97	12.31	2.94	J
75-65-0	t-Butyl alcohol	0.40	4.00	2.85	1.21	12.14	8.64	J
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.67	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.39	1.18	3.54	15.93	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.20	1.41	3.53	7.78	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.04	4.48	6.40	6.52	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.24	0.54	5.38	12.05	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.53	1.64	13.13	6.26	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.88	3.02	3.77	3.34	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	5.02	1.64	13.13	20.60	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.28	0.68	6.79	8.69	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.12	1.74	4.35	4.89	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.58	2.10	10.50	8.28	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	181.75	2.71	3.25	491.66	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	17.00	28.67	61.43	69.62
1-DECANE, 3,4-DIMETHYL	7.00	15.00	20.40	28.67	61.43	83.55

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
64-17-5	Ethanol	8.00	51.36	211.59	15.10	96.97	399.49	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 52**

File Name: 2614452A.D **Date Sampled:** 7/23/2026 **Time:** 11:09
Description T-410 **Date Analyzed:** 8/12/2026 **Time:** 18:50
Canister: 709 **Can Dilution Factor:** 1.00
QC_Batch: 081226-MA1 **Air Volume:** 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	431.63	10.82	12.98	1,167.59	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	28.00	60.00	68.00	114.67	245.73	278.49
1-DECANE, 3,4-DIMETHYL	28.00	60.00	81.60	114.67	245.73	334.19

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 53**

File Name: 2614453A.D **Date Sampled:** 7/23/2026 **Time:** 11:07
Description: T-411 **Date Analyzed:** 8/10/2026 **Time:** 19:29
Canister: 750 **Can Dilution Factor:** 1.00
QC_Batch: 081026-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.87	0.69	1.72	4.94	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	14.84	2.62	3.15	19.45	
74-87-3	Chloromethane	0.60	1.00	2.54	1.24	2.07	5.26	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.48	1.55	3.89	9.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
107-02-8	Acrolein	0.40	1.20	6.17	0.92	2.76	14.18	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	142.12	4.76	5.71	338.18	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	14.13	1.97	12.31	34.77	
75-65-0	t-Butyl alcohol	0.40	4.00	3.44	1.21	12.14	10.45	J
4227-95-6	Methyl iodide	0.40	1.20	1.84	2.34	7.02	10.77	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	91.38	1.18	3.54	269.83	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.99	1.41	3.53	10.55	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	1.77	0.98	4.89	8.65	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.78	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	67.38	0.54	5.38	362.62	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	3.64	1.64	13.13	14.94	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	37.86	1.64	13.13	155.37	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	145.00	2.71	3.25	392.23	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE	7.00	15.00	79.80	28.67	61.43	326.82
2-OCTANONE	7.00	15.00	41.90	28.67	61.43	171.60

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description: T-411
Canister: 750
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/12/2026 **Time:** 19:27
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
64-17-5	Ethanol	8.00	51.36	181.85	15.10	96.97	343.34	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/12/2026 **Time:** 19:27
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	532.35	10.82	12.98	1,440.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/12/2026 **Time:** 19:27
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE	28.00	60.00	319.20	114.67	245.73	1,307.28
2-OCTANONE	28.00	60.00	167.60	114.67	245.73	686.41

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description: T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	41.14	2.62	3.15	53.91	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.20	1.55	3.89	16.34	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	111.28	3.78	24.24	210.10	
107-02-8	Acrolein	0.40	1.20	130.35	0.92	2.76	299.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.45	2.34	7.02	14.35	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	2.25	0.79	3.17	8.92	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	60.85	1.41	3.53	214.81	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	14.20	1.44	3.61	51.25	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	32.08	0.79	3.97	127.29	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
107-06-2	1,2-Dichloroethane	0.20	1.00	30.40	0.81	4.05	123.27	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	205.45	0.69	3.45	708.47	
71-43-2	Benzene	1.40	2.00	94.43	4.48	6.40	302.05	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	23.41	0.54	5.38	125.96	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	145.75	3.02	3.77	549.76	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	69.08	1.87	4.68	323.09	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	24.58	0.68	6.79	166.89	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	105.08	1.74	4.35	457.02	
1330-20-7	m,p-Xylenes	0.40	1.00	122.77	1.74	4.35	533.99	
111-84-2	Nonane	0.40	1.00	31.72	2.10	5.25	166.66	
100-42-5	Styrene	0.60	1.00	3.20	2.56	4.27	13.65	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	41.74	1.74	4.35	181.56	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	10.99	3.94	13.78	54.08	
622-96-8	4-Ethyltoluene	0.80	6.40	12.37	3.94	31.51	60.90	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	5.65	3.94	17.72	27.79	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.96	3.94	17.72	24.41	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	17.63	4.40	13.19	96.89	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	107	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	215.05	2.71	3.25	581.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOBUTANE	7.00	15.00	42.70	28.67	61.43	174.88
BUTANE, 2-METHYL-	7.00	15.00	137.60	28.67	61.43	563.54
1-BUTENE, 2-METHYL-	7.00	15.00	74.80	28.67	61.43	306.34
PETNANE, 2,3-DIMETHYL-	7.00	15.00	69.50	28.67	61.43	284.64
CYCLOHEXANE, 1,4-DIMETHYL-	7.00	15.00	39.60	28.67	61.43	162.18
CYCLOHEXANE, ETHYL-	7.00	15.00	48.60	28.67	61.43	199.04
CYCLOHEXANE, 1,1,3-TRIMETHYL	7.00	15.00	55.20	28.67	61.43	226.07
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	41.60	28.67	61.43	170.37
.ALPHA.-PINENE	7.00	15.00	79.30	28.67	61.43	324.77
CAMPHENE	7.00	15.00	49.60	28.67	61.43	203.14

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description: T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	4.00	10.00	890.46	6.89	17.23	1,534.61	
67-64-1	Acetone	20.00	24.00	1,915.74	47.59	57.11	4,558.47	
78-93-3	2-Butanone (MEK)	4.00	12.00	276.04	11.81	35.43	815.12	
142-82-5	n-Heptane	4.00	10.00	161.98	16.41	41.04	664.73	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	10.00	12.00	661.14	27.05	32.46	1,788.44	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	70.00	150.00	ND	286.68	614.32	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description: T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	263.48	0.69	1.72	454.08	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	54.42	2.62	3.15	71.32	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	7.86	1.55	3.89	30.54	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	124.16	3.78	24.24	234.42	
107-02-8	Acrolein	0.40	1.20	131.24	0.92	2.76	301.54	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	219.13	4.76	5.71	521.41	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	3.24	2.34	7.02	18.95	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	3.22	0.79	3.17	12.77	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	61.05	1.18	3.54	180.28	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	105.96	1.41	3.53	374.07	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	12.15	1.44	3.61	43.84	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	20.59	0.79	3.97	81.72	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	26.03	0.81	4.05	105.54	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	144.83	0.69	3.45	499.45	
71-43-2	Benzene	1.40	2.00	71.45	4.48	6.40	228.53	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	192.11	1.64	4.10	788.37	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	16.84	0.54	5.38	90.64	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	118.55	3.02	3.77	447.15	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	54.52	1.87	4.68	255.00	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	22.59	0.68	6.79	153.41	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	85.47	1.74	4.35	371.77	
1330-20-7	m,p-Xylenes	0.40	1.00	99.64	1.74	4.35	433.40	
111-84-2	Nonane	0.40	1.00	23.64	2.10	5.25	124.21	
100-42-5	Styrene	0.60	1.00	3.35	2.56	4.27	14.28	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	34.78	1.74	4.35	151.28	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	9.18	3.94	13.78	45.20	
622-96-8	4-Ethyltoluene	0.80	6.40	10.74	3.94	31.51	52.85	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	4.55	3.94	17.72	22.41	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.31	3.94	17.72	21.20	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	13.96	4.40	13.19	76.73	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	110	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.95	2.71	3.25	586.87	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description: T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
3-BUTENOIC ACID	7.00	15.00	413.90	28.67	61.43	1,695.13
BUTANE, 2-METHYL-	7.00	15.00	220.10	28.67	61.43	901.42
2-PENTENE, (E)-	7.00	15.00	94.30	28.67	61.43	386.21
2-PENTENE, (Z)-	7.00	15.00	60.30	28.67	61.43	246.96
CYCLOPENTANE, METHYL-	7.00	15.00	144.60	28.67	61.43	592.21
CYCLOPENTANE, 1,1,2-TRIMETHYL-	7.00	15.00	38.90	28.67	61.43	159.31
CYCLOHEXANE, ETHYL-	7.00	15.00	44.70	28.67	61.43	183.07
CYCLOHEXANE, 1,1,3-TRIMETHYL-	7.00	15.00	51.80	28.67	61.43	212.15
.ALPHA.-PINENE	7.00	15.00	74.50	28.67	61.43	305.11
CAMPHENE	7.00	15.00	52.60	28.67	61.43	215.42

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 56

File Name: C08036G.D
Description: T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.93	0.69	1.72	1.61	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	4.09	4.76	5.71	9.72	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.68	4.48	6.40	5.36	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 56

File Name: C08036G.D
Description T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	250.27	2.71	3.25	676.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 56

File Name: C08036G.D **Date Sampled:** 7/23/2026 **Time:** 11:19
Description T-414 **Date Analyzed:** 8/3/2026 **Time:** 11:34
Canister: 738 **Can Dilution Factor:** 1.00
QC_Batch: 080326-MA1 **Air Volume:** 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 57

File Name: 2614457A.D
Description: T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.04	0.69	1.72	1.79	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.23	2.62	3.15	4.23	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	33.01	3.78	24.24	62.32	
107-02-8	Acrolein	0.40	1.20	2.11	0.92	2.76	4.84	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.66	4.76	5.71	15.85	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	41.24	0.54	5.38	221.95	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	137.15	2.71	3.25	370.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 58**

File Name: 2614458A.D **Date Sampled:** 7/24/2026 **Time:** 09:22
Description: T-502 **Date Analyzed:** 8/11/2026 **Time:** 14:31
Canister: 728 **Can Dilution Factor:** 1.00
QC_Batch: 081126-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.24	0.69	1.72	2.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.55	2.62	3.15	5.96	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	54.45	3.78	24.24	102.80	
107-02-8	Acrolein	0.40	1.20	1.41	0.92	2.76	3.23	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.67	4.76	5.71	20.62	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	52.85	0.54	5.38	284.42	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	141.48	2.71	3.25	382.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description: T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.82	0.69	1.72	3.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	19.04	2.62	3.15	24.96	
74-87-3	Chloromethane	0.60	1.00	1.44	1.24	2.07	2.99	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	22.11	3.78	24.24	41.74	
107-02-8	Acrolein	0.40	1.20	4.57	0.92	2.76	10.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	15.23	4.76	5.71	36.24	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.09	1.18	3.54	6.17	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.10	4.48	6.40	6.71	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	0.94	0.54	5.38	5.03	J
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.36	1.64	13.13	9.67	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	194.65	2.71	3.25	526.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 60**

File Name: 2614460A.D **Date Sampled:** 7/24/2026 **Time:** 09:21
Description: T-504 **Date Analyzed:** 8/11/2026 **Time:** 17:36
Canister: 556 **Can Dilution Factor:** 1.00
QC_Batch: 081126-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	21.67	0.69	1.72	37.34	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.82	2.62	3.15	27.28	
74-87-3	Chloromethane	0.60	1.00	4.37	1.24	2.07	9.05	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.88	1.55	3.89	7.29	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.96	3.78	24.24	37.68	
107-02-8	Acrolein	0.40	1.20	10.00	0.92	2.76	22.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	45.25	4.76	5.71	107.66	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.59	1.97	12.31	3.93	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.20	2.34	7.02	12.90	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	1.24	0.70	3.48	4.30	
75-15-0	Carbon disulfide	0.40	1.00	15.72	1.25	3.12	48.98	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	19.25	1.18	3.54	56.84	
108-20-3	Dilsopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	3.14	1.41	3.53	11.10	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	10.33	0.59	3.54	30.49	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.69	0.69	3.45	12.74	
71-43-2	Benzene	1.40	2.00	3.72	4.48	6.40	11.89	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	1.00	0.54	5.38	5.36	J
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.32	3.02	3.77	4.97	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	13.41	1.64	13.13	55.04	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.26	0.68	6.79	8.55	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.87	1.74	4.35	3.79	J
1330-20-7	m,p-Xylenes	0.40	1.00	1.46	1.74	4.35	6.37	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.03	1.74	4.35	4.47	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	4.33	4.40	13.19	23.80	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 60**

File Name: 2614460A.D
Description T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	170.53	2.71	3.25	461.30	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 60

File Name: 2614460A.D
Description T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1 BUTANE	7.00	15.00	18.60	28.67	61.43	76.18
UNKNOWN SILOXANE	7.00	15.00	75.00	28.67	61.43	307.16
2-HEPTANONE, 6-METHYL	7.00	15.00	37.10	28.67	61.43	151.94

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The Identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 61**

File Name:	2614461A.D	**Date Sampled:**	7/24/2026	**Time:**	10:36
Description:	T-505	**Date Analyzed:**	8/11/2026	**Time:**	18:22
Canister:	627	**Can Dilution Factor:**	1.00		
QC_Batch:	081126-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.83	0.69	1.72	4.88	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	76.74	2.62	3.15	100.57	
74-87-3	Chloromethane	0.60	1.00	2.39	1.24	2.07	4.94	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	11.08	3.78	24.24	20.93	J
107-02-8	Acrolein	0.40	1.20	6.05	0.92	2.76	13.89	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	19.94	4.76	5.71	47.45	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	0.95	0.70	3.48	3.31	J
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.71	1.18	3.54	7.99	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.14	1.41	3.53	7.56	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.58	4.48	6.40	5.07	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	57.68	0.54	5.38	310.41	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.18	3.02	3.77	4.46	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 61

File Name: 2614461A.D
Description T-505
Canister: 627
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:36
Date Analyzed: 8/11/2026 **Time:** 18:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	139.23	2.71	3.25	376.64	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 61

File Name: 2614461A.D
Description T-505
Canister: 627
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:36
Date Analyzed: 8/11/2026 **Time:** 18:22
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-HEXANOL, 2-ETHYL-	7.00	15.00	23.70	28.67	61.43	97.06

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 62

File Name: 2614462A.D
Description: T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.73	0.69	1.72	4.70	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	83.05	2.62	3.15	108.84	
74-87-3	Chloromethane	0.60	1.00	2.39	1.24	2.07	4.95	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	5.90	3.78	24.24	11.14	J
107-02-8	Acrolein	0.40	1.20	6.93	0.92	2.76	15.92	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	61.64	4.76	5.71	146.68	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	11.13	1.18	3.54	32.87	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.24	1.41	3.53	4.38	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	43.07	0.54	5.38	231.78	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.22	1.64	13.13	25.51	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 62

File Name: 2614462A.D
Description T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	134.82	2.71	3.25	364.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 62

File Name: 2614462A.D
Description T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-DECENE, 3,4-DIMETHYL	7.00	15.00	15.00	28.67	61.43	61.43

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 63

File Name: 2614463A.D
Description: T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.52	0.69	1.72	7.79	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	130.38	2.62	3.15	170.87	
74-87-3	Chloromethane	0.60	1.00	2.96	1.24	2.07	6.12	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.93	1.55	3.89	7.50	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.08	3.78	24.24	28.48	
107-02-8	Acrolein	0.40	1.20	12.26	0.92	2.76	28.18	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	42.15	4.76	5.71	100.29	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.98	2.34	7.02	11.61	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	7.98	1.25	3.12	24.87	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.77	1.18	3.54	17.02	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	22.45	0.98	4.89	109.76	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 63

File Name: 2614463A.D
Description T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	156.92	2.71	3.25	424.48	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 63

File Name: 2614463A.D
Description T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-HEXANOL, 2-ETHYL	7.00	15.00	13.70	28.67	61.43	56.11

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description: T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	3.53	0.69	1.72	6.09	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.88	2.62	3.15	14.26	
74-87-3	Chloromethane	0.60	1.00	1.39	1.24	2.07	2.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	3.53	3.78	24.24	6.67	J
107-02-8	Acrolein	0.40	1.20	4.65	0.92	2.76	10.68	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	34.23	4.76	5.71	81.45	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.03	1.18	3.54	8.95	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.34	4.48	6.40	7.47	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.35	1.64	13.13	9.66	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description: T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	174.81	2.71	3.25	472.88	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 65

File Name: 2614465A.D
Description: T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.00	0.69	1.72	1.73	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	0.81	1.24	2.07	1.67	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	14.29	4.76	5.71	33.99	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.91	1.18	3.54	11.55	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	84.70	0.54	5.38	455.81	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.90	1.64	13.13	11.90	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 65**

File Name: 2614465A.D
Description T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	204.44	2.71	3.25	553.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 65

File Name: 2614465A.D
Description T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

	TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
	NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 66

File Name: 2614466A.D
Description: T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.79	0.69	1.72	3.08	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.22	2.62	3.15	5.53	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	2.87	0.92	2.76	6.60	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	31.66	4.76	5.71	75.33	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	17.50	1.18	3.54	51.67	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.45	4.48	6.40	4.64	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	9.26	1.64	13.13	38.01	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 66

File Name: 2614466A.D
Description T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	180.69	2.71	3.25	488.78	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 66

File Name: 2614466A.D
Description T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 67

File Name: 2614467A.D
Description: T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.99	0.69	1.72	3.43	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	2.28	0.92	2.76	5.23	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.21	4.76	5.71	31.42	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	1.82	1.25	3.12	5.67	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	69.81	0.54	5.38	375.67	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.36	1.64	13.13	5.60	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 67

File Name: 2614467A.D
Description T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	213.88	2.71	3.25	578.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 67

File Name: 2614467A.D
Description T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 68

File Name: 2614468A.D
Description: T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.55	0.69	1.72	2.68	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	9.38	2.62	3.15	12.30	
74-87-3	Chloromethane	0.60	1.00	1.41	1.24	2.07	2.91	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	76.79	3.78	24.24	144.97	
107-02-8	Acrolein	0.40	1.20	1.43	0.92	2.76	3.29	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.96	4.76	5.71	21.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.87	1.18	3.54	8.46	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 68

File Name: 2614468A.D
Description T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	135.02	2.71	3.25	365.24	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 68

File Name: 2614468A.D
Description T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 69

File Name: 2614469A.D
Description: T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.37	0.69	1.72	2.37	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	7.12	2.62	3.15	9.34	
74-87-3	Chloromethane	0.60	1.00	1.25	1.24	2.07	2.58	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	74.01	3.78	24.24	139.73	
107-02-8	Acrolein	0.40	1.20	2.65	0.92	2.76	6.09	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.74	4.76	5.71	32.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.39	1.18	3.54	7.04	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 69

File Name: 2614469A.D
Description T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	158.21	2.71	3.25	427.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 69

File Name: 2614469A.D
Description T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 70

File Name: 2614470A.D
Description: T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	2.02	4.76	5.71	4.82	J
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	0.88	4.40	13.19	4.83	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 70

File Name: 2614470A.D
Description T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	184.72	2.71	3.25	499.69	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 70

File Name: 2614470A.D
Description T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

Section 4 Data Package

This section contains the Data Packages for the samples, blanks, and calibration. Each package has the analytical report, quantitation report, calculation sheet, instrument quantation report, and chromatograms.

Items provided in Data Package:

DAB Run Logs and Preparation Logs

Sample Packages

Blank Package for each Daily Analytical Batch

Quality Control Reports, LCS,LCD for each Daily Analytical Batch

Continuing Calibration Package for Each Daily Analytical Batch

Initial Calibration Data

DAB Run Logs and Preparation Logs

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
This section contains the DAB Log Sheets and Preparation Logs.

Index

DAB Run Logs
Other Log Sheets

DAILY ANALYTICAL BATCH FORM

DAB 080326 . MSB

ANALYST REPORT

Method B1563_C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 28, 42, 56

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Daily Analytical Batch

DAB: 080326-MSB

MSB

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080326-MSB	01	MSB	STD			C08036A		ST62126		5	KL		B1563_C			
080326-MSB	02	MSB	STD			C08036B	692	T-214		20	KL		B1563_C			
080326-MSB	03	MSB	STD			C08036C	662	T-314		20	KL		B1563_C			
080326-MSB	04	MSB	STD			C08036D	738	T-414		20	KL		B1563_C			
080326-MSB	05	MSB	STD			C08036E	692	T-214		100	KL		B1563_C			
080326-MSB	06	MSB	STD			C08036F	662	T-314		100	KL		B1563_C			
080326-MSB	07	MSB	STD			C08036G	738	T-414		100	KL		B1563_C			
080326-MSB	08	MSB	SPK			QC08036A		ST62068		5	KL		B1563_C			
080326-MSB	09	MSB	SPK			QC08036B		ST62068		5	KL		B1563_C			
080326-MSB	10	MSB	BLK			B08036A		HUMID BLANK		500	KL		B1563_C	20ML ST63467		
080326-MSB	11	MSB	BLK			B08036B		HUMID BLANK		500	KL		B1563_C	20ML ST63467		
080326-MSB	12	MSB	BLK			B08036C		METHOD BLANK		1000	KL		B1563_C	20ML ST63467		
080326-MSB	13	MSB	SA	226147	01	2614701A	TBA	DGCFS-1A	ED MUD	5	SW		B1563_C			
080326-MSB	14	MSB	SA	226147	02	2614702A	TBA	DGCFS-1B	ED MUD	5	SW		B1563_C			
080326-MSB	15	MSB	SA	226147	03	2614703A	TBA	DGCFS-2A	ED MUD	5	SW		B1563_C			
080326-MSB	16	MSB	SA	226147	04	2614704A	TBA	DGCFS-2B	ED MUD	5	SW		B1563_C			
080326-MSB	17	MSB	SA	226141	05	2614105A	792	260719-BLANK-TO14A	STANTEC	500	SW		B1563_C	MIGHT HAVE		
080326-MSB	18	MSB	STD			C08036H	529	T-114 2614414A	SCHMIDT	100	SW		B1563_C			
080326-MSB	19	MSB	STD			C08036I	775	T-514 2614470A	SCHMIDT	100	SW		B1563_C			

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 28

Client: C.E. Schmidt
Client ID: T-214
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 692
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:38
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	715			
Final:	715			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 42

Client: C.E. Schmidt
Client ID: T-314
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 662
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:30
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	724			
Final:	724			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 56

Client: C.E. Schmidt
Client ID: T-414
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 738
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	688		
Final:	688		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 080426 - MSB

ANALYST REPORT

Method B1663-C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 14,70,01-09

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

001579 of 006978

Daily Analytical Batch

DAB: 080426-MSB

MSB

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080426-MSB	01	MSB	STD			C08046A		ST62126		5	KL		B1563_C			
080426-MSB	02	MSB	SPK			QC08046A		ST62068		5	KL		B1563_C			
080426-MSB	03	MSB	SPK			QC08046B		ST62068		5	KL		B1563_C			
080426-MSB	04	MSB	BLK			B08046A		HUMID BLANK		500	KL		B1563_C			
080426-MSB	05	MSB	BLK			B08046B		HUMID BLANK		500	KL		B1563_C			
080426-MSB	06	MSB	BLK			B08046C		METHOD BLANK		1000	KL		B1563_C	20ML ST63490		
080426-MSB	07	MSB	BLK			B08046D		METHOD BLANK		1000	KL		B1563_C			
080426-MSB	08	MSB	SA	226144	14	2614414A	529	T-114	SCHMIDT	100	KL		B1563_C			
080426-MSB	09	MSB	SA	226144	70	2614470A	775	T-514	SCHMIDT	100	KL		B1563_C			
080426-MSB	10	MSB	STD			C08046B		ST63490		0.1	KL		B1563_C			
080426-MSB	11	MSB	SA	226144	01	2614401A	758	T-101	SCHMIDT	100	KL		B1563_C			
080426-MSB	12	MSB	SA	226144	02	2614402A	737	T-102	SCHMIDT	100	SW		B1563_C			
080426-MSB	13	MSB	SA	226144	03	2614403A	548	T-103	SCHMIDT	100	SW		B1563_C			
080426-MSB	14	MSB	SA	226144	04	2614404A	990	T-104	SCHMIDT	100	SW		B1563_C			
080426-MSB	15	MSB	SA	226144	05	2614405A	885	T-105	SCHMIDT	100	SW		B1563_C			
080426-MSB	16	MSB	SA	226144	06	2614406A	755	T-106	SCHMIDT	100	SW		B1563_C			
080426-MSB	17	MSB	SA	226144	07	2614407A	182	T-107	SCHMIDT	100	SW		B1563_C			
080426-MSB	18	MSB	SA	226144	08	2614408A	551	T-108	SCHMIDT	100	SW		B1563_C	CRYOTRAP H		
080426-MSB	19	MSB	SA	226144	09	2614409A	638	T-109	SCHMIDT	100	SW		B1563_C	NOT READY L		

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 14

Client: C.E. Schmidt
Client ID: T-114
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 529
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:51
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	850			
Final:	850			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 70

Client: C.E. Schmidt
Client ID: T-514
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 775
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	714		
Final:	714		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 1

Client: C.E. Schmidt
Client ID: T-101
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 758
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	683			
Final:	683			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 2

Client: C.E. Schmidt
Client ID: T-102
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 737
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:05
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	687			
Final:	687			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 3

Client: C.E. Schmidt
Client ID: T-103
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 548
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	664			
Final:	664			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 4

Client: C.E. Schmidt
Client ID: T-104
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 990
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 9:58
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	678		
Final:	678		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 5

Client: C.E. Schmidt
Client ID: T-105
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 885
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 11:00
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	647		
Final:	647		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 6

Client: C.E. Schmidt
Client ID: T-106
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 755
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:59
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	657		
Final:	657		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 7

Client: C.E. Schmidt
Client ID: T-107
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 182
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 11:03
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	662			
Final:	662			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 8

Client: C.E. Schmidt
Client ID: T-108
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 551
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:57
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	669		
Final:	669		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 9

Client: C.E. Schmidt
Client ID: T-109
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 638
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	660			
Final:	660			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 080526 -MSB

ANALYST REPORT

Method B1563_C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☐	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 10-13 16-20

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Daily Analytical Batch

DAB: 080526-MSB

MSB

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080526-MSB	01	MSB	STD			C08056A		ST62126		5	KL		B1563_C			
080526-MSB	02	MSB	SPK			QC08056A		ST62068		5	KL		B1563_C			
080526-MSB	03	MSB	SPK			QC08056B		ST62068		5	KL		B1563_C			
080526-MSB	04	MSB	BLK			B08056A		HUMID BLANK		500	KL		B1563_C			
080526-MSB	05	MSB	BLK			B08056B		HUMID BLANK		500	KL		B1563_C			
080526-MSB	06	MSB	BLK			B08056C		METHOD BLANK		1000	KL		B1563_C			
080526-MSB	07	MSB	STD			C08056B		ST62126		0.1	KL		B1563_C			
080526-MSB	08	MSB	BLK			B08056D		METHOD BLANK		1000	KL		B1563_C			
080526-MSB	09	MSB	SA	226144	10	2614410A	800	T-110	SCHMIDT	100	KL		B1563_C			
080526-MSB	10	MSB	SA	226144	11	2614411A	645	T-111	SCHMIDT	100	KL		B1563_C			
080526-MSB	11	MSB	SA	226144	12	2614412A	663	T-112	SCHMIDT	100	KL		B1563_C			
080526-MSB	12	MSB	SA	226144	13	2614413A	859	T-113	SCHMIDT	100	KL		B1563_C			
080526-MSB	13	MSB	SA	226144	15	2614415A	653	T-201	SCHMIDT	100	SW		B1563_C			
080526-MSB	14	MSB	SA	226144	16	2614416A	803	T-202	SCHMIDT	100	SW		B1563_C			
080526-MSB	15	MSB	SA	226144	17	2614417A	668	T-203	SCHMIDT	100	SW		B1563_C			
080526-MSB	16	MSB	SA	226144	18	2614418A	688	T-204	SCHMIDT	100	SW		B1563_C	LOADED IS W/		
080526-MSB	17	MSB	SA	226144	19	2614419A	761	T-205	SCHMIDT	100	SW		B1563_C			
080526-MSB	18	MSB	SA	226144	18	2614418B	688	T-204	SCHMIDT	100	SW		B1563_C			
080526-MSB	19	MSB	SA	226144	20	2614420A	809	T-206	SCHMIDT	100	SW		B1563_C			

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 10

Client: C.E. Schmidt
Client ID: T-110
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 800
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 11

Client: C.E. Schmidt
Client ID: T-111
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 645
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	640			
Final:	640			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 12

Client: C.E. Schmidt
Client ID: T-112
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 663
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:17
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	662		
Final:	662		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 13

Client: C.E. Schmidt
Client ID: T-113
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 859
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:11
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	657			
Final:	657			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 15

Client: C.E. Schmidt
Client ID: T-201
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 653
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:16
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	687		
Final:	687		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 16

Client: C.E. Schmidt
Client ID: T-202
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 803
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:11
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	683		
Final:	683		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 17

Client: C.E. Schmidt
Client ID: T-203
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 668
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:37
Received: 7/24/2026 Time: 16:10

Date:
Initial : 693
Final: 693
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 19

Client: C.E. Schmidt
Client ID: T-205
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 761
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:52
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	674			
Final:	674			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 20

Client: C.E. Schmidt
Client ID: T-206
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 809
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:51
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	661		
Final:	661		
Factor:	1.00		

LABORATORY **Analytical Test:**

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 080626 - MSB

ANALYST REPORT

Method B1563-C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 21-27 29-32

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Daily Analytical Batch

DAB: 080626-MSB

MSB

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080626-MSB	01	MSB	STD			C08066A		ST62126		5	KL		B1563_C			
080626-MSB	02	MSB	SPK			QC08066A		ST62068		5	KL		B1563_C			
080626-MSB	03	MSB	SPK			QC08066B		ST62068		5	KL		B1563_C			
080626-MSB	04	MSB	BLK			B08066A		HUMID BLANK		500	KL		B1563_C			
080626-MSB	05	MSB	BLK			B08066B		HUMID BLANK		500	KL		B1563_C			
080626-MSB	06	MSB	BLK			B08066C		METHOD BLANK		1000	KL		B1563_C			
080626-MSB	07	MSB	BLK			B08066D		METHOD BLANK		1000	KL		B1563_C			
080626-MSB	08	MSB	SA	226144	21	2614421	694	T-207	SCHMIDT	100	KL		B1563_C			
080626-MSB	09	MSB	SA	226144	22	2614422	526	T-208	SCHMIDT	100	KL		B1563_C			
080626-MSB	10	MSB	SA	226144	23	2614423	856	T-209	SCHMIDT	100	KL		B1563_C			
080626-MSB	11	MSB	SA	226144	24	2614424	679	T-210	SCHMIDT	100	KL		B1563_C			
080626-MSB	12	MSB	SA	226144	25	2614425A	762	T-211	SCHMIDT	100	SW		B1563_C			
080626-MSB	13	MSB	SA	226144	26	2614426A	710	T-212	SCHMIDT	100	SW		B1563_C			
080626-MSB	14	MSB	SA	226144	27	2614427A	655	T-213	SCHMIDT	100	SW		B1563_C			
080626-MSB	15	MSB	SA	226144	29	2614429A	659	T-301	SCHMIDT	100	SW		B1563_C			
080626-MSB	16	MSB	SA	226144	30	2614430A	897	T-302	SCHMIDT	100	SW		B1563_C	MIGHT HAVE		
080626-MSB	17	MSB	SA	226144	31	2614431A	754	T-303	SCHMIDT	100	SW		B1563_C			
080626-MSB	18	MSB	SA	226144	32	2614432A	745	T-304	SCHMIDT	100	SW		B1563_C			

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 21

Client: C.E. Schmidt
Client ID: T-207
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 694
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:53
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	669			
Final:	669			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 22

Client: C.E. Schmidt
Client ID: T-208
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 526
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:45
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	675		
Final:	675		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 23

Client: C.E. Schmidt
Client ID: T-209
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 856
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	666		
Final:	666		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 24

Client: C.E. Schmidt
Client ID: T-210
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 679
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	678		
Final:	678		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 25

Client: C.E. Schmidt
Client ID: T-211
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 762
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:10
Received: 7/24/2026 Time: 16:10

Date:
Initial : 649
Final: 649
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 26

Client: C.E. Schmidt
Client ID: T-212
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 710
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:15
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	652		
Final:	652		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 27

Client: C.E. Schmidt
Client ID: T-213
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 655
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	664		
Final:	664		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 31

Client: C.E. Schmidt
Client ID: T-303
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 754
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	689			
Final:	689			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 32

Client: C.E. Schmidt
Client ID: T-304
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 745
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:25
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	679			
Final:	679			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 080726 -MSB

ANALYST REPORT

Method B1563_C Chemist ML

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

OUT Narrative:

Analyst Certification

PASSING DAB NOTES:

need run log printed

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 33-41

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 33

Client: C.E. Schmidt
Client ID: T-305
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 741
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:58
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	670			
Final:	670			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 34

Client: C.E. Schmidt
Client ID: T-306
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 708
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	673			
Final:	673			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 35

Client: C.E. Schmidt
Client ID: T-307
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 698
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	665			
Final:	665			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 36

Client: C.E. Schmidt
Client ID: T-308
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 608
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	382		
Final:	382		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 37

Client: C.E. Schmidt
Client ID: T-309
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:17
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	671		
Final:	671		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 38

Client: C.E. Schmidt
Client ID: T-310
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 654
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	653			
Final:	653			
Factor:	1.00			

LABORATORY **Analytical Test:**

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 39

Client: C.E. Schmidt
Client ID: T-311
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 605
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:15
Received: 7/24/2026 Time: 16:10

Date:
Initial : 671
Final: 671
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 40

Client: C.E. Schmidt
Client ID: T-312
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 730
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:23
Received: 7/24/2026 Time: 16:10

Date:
Initial : 676
Final: 676
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 41

Client: C.E. Schmidt
Client ID: T-313
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 766
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:26
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 081026 -MSB

ANALYST REPORT

Method R1663-C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 44-55

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 44

Client: C.E. Schmidt
Client ID: T-402
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 740
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:00
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	681		
Final:	681		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 45

Client: C.E. Schmidt
Client ID: T-403
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 699
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	666		
Final:	666		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 46

Client: C.E. Schmidt
Client ID: T-404
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 618
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	676		
Final:	676		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 47

Client: C.E. Schmidt
Client ID: T-405
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 849
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:	Expires:		
	8/22/2026	226144	48

Client: C.E. Schmidt
Client ID: T-406
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 506
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:02
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	673			
Final:	673			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 49

Client: C.E. Schmidt
Client ID: T-407
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 823
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:07
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	652		
Final:	652		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 50

Client: C.E. Schmidt
Client ID: T-408
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 789
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:11
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	636			
Final:	636			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 51

Client: C.E. Schmidt
Client ID: T-409
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 732
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:10
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 55

Client: C.E. Schmidt
Client ID: T-413
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 695
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	648			
Final:	648			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 081126 . MSB

ANALYST REPORT

Method B1663_C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 29,30,43,57-62

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 29

Client: C.E. Schmidt
Client ID: T-301
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 659
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	688		
Final:	688		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 30

Client: C.E. Schmidt
Client ID: T-302
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 897
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:28
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	669		
Final:	669		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 57

Client: C.E. Schmidt
Client ID: T-501
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 895
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 58

Client: C.E. Schmidt
Client ID: T-502
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 728
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	668			
Final:	668			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 43

Client: C.E. Schmidt
Client ID: T-401
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 643
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 8:59
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	675			
Final:	675			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 59

Client: C.E. Schmidt
Client ID: T-503
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 858
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:29
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	664		
Final:	664		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 60

Client: C.E. Schmidt
Client ID: T-504
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 556
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:21
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 61

Client: C.E. Schmidt
Client ID: T-505
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 627
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:36
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 62

Client: C.E. Schmidt
Client ID: T-506
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 760
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:31
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 081226 - MS3

ANALYST REPORT

Method B1563-C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 2261441

Lab ID 18, 52, 53, 63-69

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 63

Client: C.E. Schmidt
Client ID: T-507
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 696
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:37
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	633		
Final:	633		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:	Expires:		
	8/23/2026	226144	64

Client:	C.E. Schmidt	MS Load Vol:	300
Client ID:	T-508	MS SIM Vol:	
Description:		GCK Load Vol:	200
Project Name:	Chiquita Canyon	GCP Load Vol:	
EAS Project:	17807 EAS PM: David Atkinson	Sample Volume:	

Media:	CAN	Can Pressurization:		Sampled: 7/24/2026	Time: 10:33
Can Number:	768			Received: 7/24/2026	Time: 16:10
FC Number:	0		Date:		
TAT Working:		Initial :	656		
Sampling Time:		Final:	656		
Flow:		Factor:	1.00		

LABORATORY	Analytical Test:		Sample Location:
InstrumentMethod:	Item Description:		Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 65

Client: C.E. Schmidt
Client ID: T-509
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 837
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:47
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 66

Client: C.E. Schmidt
Client ID: T-510
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	642		
Final:	642		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 67

Client: C.E. Schmidt
Client ID: T-511
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 786
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:40
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	665		
Final:	665		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 68

Client: C.E. Schmidt
Client ID: T-512
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 877
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	654		
Final:	654		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 69

Client: C.E. Schmidt
Client ID: T-513
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 892
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:48
Received: 7/24/2026 Time: 16:10

Date:
Initial : 668
Final: 668
Factor: 1.00

LABORATORY **Analytical Test:**

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 18

Client: C.E. Schmidt
Client ID: T-204
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: ~~300~~ 25mL
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 688
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:33
Received: 7/24/2026 Time: 16:10

Date:
Initial : 649
Final: 649
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 52

Client: C.E. Schmidt
Client ID: T-410
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: ~~300~~ 25mL
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 709
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Date:
Initial : 646
Final: 646
Factor: 1.00

Sampled: 7/23/2026 Time: 11:09
Received: 7/24/2026 Time: 16:10

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 53

Client: C.E. Schmidt
Client ID: T-411
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300 25mL
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 750
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

Date:
Initial : 666
Final: 666
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 081426 - MSB

ANALYST REPORT

Method B1563-C Chemist KL

	NA	Passed	Out
Instrument Tune	☐	☑	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 54

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

FORM

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 54

Client: C.E. Schmidt
Client ID: T-412
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300 25mL
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 503
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

Date:
Initial : 650
Final: 650
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Sample Data Packages

SDG Number 226144

Lab Id Number 1

Client ID T-101

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 01**

File Name:	2614401A.D	**Date Sampled:**	7/20/2026	**Time:**	10:03
Description:	T-101	**Date Analyzed:**	8/4/2026	**Time:**	14:37
Canister:	758	**Can Dilution Factor:**	1.00		
QC_Batch:	080426-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.03	0.69	1.72	1.78	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.69	1.24	2.07	7.64	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	1.98	0.92	2.76	4.55	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	12.51	4.76	5.71	29.76	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.32	1.18	3.54	12.76	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.52	1.41	3.53	5.36	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.70	4.48	6.40	5.45	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.94	3.02	3.77	3.55	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.41	1.64	13.13	26.29	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	88	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	189.69	2.71	3.25	513.12	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 01

File Name: 2614401A.D
Description T-101
Canister: 758
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 14:37
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	18.30	28.67	61.43	74.95

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	01		
File Name:	2614401A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	10:03
Sample ID:	T-101	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	14:37
Anal Date:	4 Aug 126 2:37 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B1563_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	758		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.103	1.69	42.00	50396
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.125	2.49	31.00	56377
74-87-3	Chloromethane	5	SA	0.369	2.03	50.00	61275
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.563	1.91	85.00	18830
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.124	3.39	46.00	13851
107-02-8	Acrolein	12	SA	0.198	3.75	56.00	27344
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.251	4.13	58.00	287584
67-63-0	2-propanol (isopropylalcohc	15	SA	0.032	3.99	45.00	33998
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.432	6.18	72.00	93496
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.152	4.33	57.00	183983
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.170	6.49	78.00	277539
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.015	6.34	57.00	42131
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.031	9.40	58.00	16991
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.094	8.92	91.00	142118
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.641	10.50	58.00	590083
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.020	10.94	106	36480
1330-20-7	m,p-Xylenes	75	SA	0.013	11.15	91.00	19169
111-84-2	Nonane	76	SA	0.019	10.86	57.00	29974
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.011	11.77	91.00	17828
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.018	12.92	83.00	34530
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.008	12.83	91.00	20255
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.013	13.00	105.00	21908
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.018	13.12	105.00	33288
124-18-5	Decane	87	SA	0.017	12.85	57.00	38362
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.032	13.71	105.00	61738
538-93-2	i-Butylbenzene	90	SA	0.010	13.89	91.00	29501
135-98-8	sec-butylbenzene	91	SA	0.021	13.87	105.00	59058
541-73-1	1,3-Dichlorobenzene	92	SA	0.012	14.19	146.00	15008
99-87-6	Isopropyltoluene	93	SA	0.069	14.10	119.00	161181
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.010	14.34	146.00	13936
104-51-8	n-Butylbenzene	96	SA	0.006	14.76	91.00	23927
95-50-1	1,2-Dichlorobenzene	97	SA	0.063	15.01	146.00	101832
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.031	17.40	180.00	11228
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.045	17.42	180.00	13184
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.969	1.83	51.00	11883288
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5689711**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8277087**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9107320**
2037-26-5	Toluene-d8	61	SURR	2.200	8.85	98.00	**4098757**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 01
File Name: 2614401A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 758
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

		PPBV	UG/M3		Fixed	Fixed	Fixed	Fixed	(1)	(2)	Calc	Calc	Calc	Calc	
	M.W.	Raw	ResultV	Result	ResultV	Result	ResultQ	ResultG	MDL	RL	MDL	MDL	RL	RL	U
Compound		Amount	PPBV	UG/M3	PPBV	UG/M3	UG/M3	UG/M3		PPBV	PPBV	UG/M3	PPBV	UG/M3	Flag
Propylene	42.08	0.10	1.03	1.78	1.03	1.78	1.78	1.78	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.12	1.25	1.64	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.37	3.69	7.64	3.69	7.64	7.64	7.64	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	-4.56	-45.63	-319.41	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.12	1.24	2.34	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.20	1.98	4.55	1.98	4.55	4.55	4.55	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.25	12.51	29.76	12.51	29.76	29.76	29.76	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.03	0.32	0.79	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.43	4.32	12.76	4.32	12.76	12.76	12.76	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.15	1.52	5.36	1.52	5.36	5.36	5.36	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.17	1.70	5.45	1.70	5.45	5.45	5.45	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.02	0.15	0.72	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.03	0.31	1.29	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.09	0.94	3.55	0.94	3.55	3.55	3.55	0.200	0.250	0.80	3.02	1.00	3.77	J
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.64	6.41	26.29	6.41	26.29	26.29	26.29	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.02	0.20	0.88	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.01	0.13	0.54	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.02	0.19	1.02	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.01	0.11	0.50	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.02	0.18	1.23	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.01	0.08	0.38	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.01	0.13	0.62	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.02	0.18	0.87	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.02	0.17	0.98	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.03	0.32	1.58	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.01	0.10	0.55	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.02	0.21	1.15	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.01	0.12	0.70	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.07	0.69	3.77	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.01	0.10	0.60	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.01	0.06	0.32	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.06	0.63	3.80	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.03	0.31	2.29	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.05	0.45	3.37	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.97	189.69	513.12	189.69	513.12	513.12	513.12	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.20	88	88	88	88	88	88	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.03	1.78
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.69	7.64
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.98	4.55
ND		ND		Y	0.00	0.00
		=		Y	12.51	29.76
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.32	12.76
ND	ND	Y	0.00	0.00
	=	Y	1.52	5.36
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.70	5.45
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.94	3.55
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	6.41	26.29

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**01**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\frac{(\text{Cistdi})}{(\text{Aistdi})}\right|_i$ Note: 1

2) Raw Amt = $\frac{(\text{Ansamp})}{(\text{Avg RFn})}\frac{(\text{Cistdi})}{(\text{Aistdi})}$ = **Cn**

3) Amount ppbv = (Raw Amt) $\frac{1000}{(\text{SV})}$ (CDF)

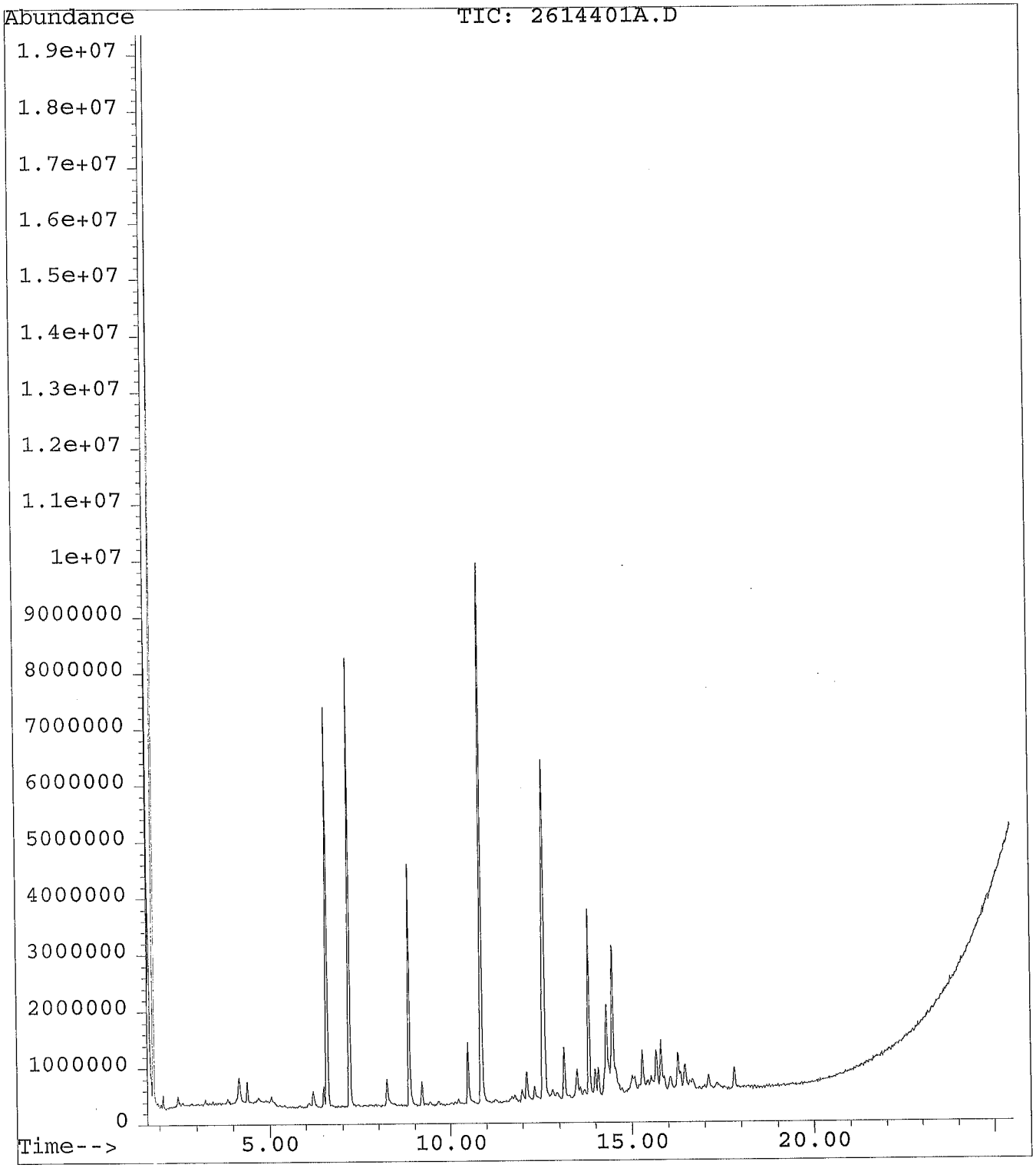
4) Amount ug/m3 = (amt(ppbv) $\frac{\text{MW}}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	50396	20.0	5689711	0.103	1.03	1.78
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5689711	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	56377	20.0	5689711	0.125	1.25	1.64
5	Chloromethane	PFB	SA	50.5	0.699	61275	20.0	5689711	0.369	3.69	7.64
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	18830	20.0	5689711	-4.563	-45.63	-319.41
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5689711	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5689711	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5689711	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5689711	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	13851	20.0	5689711	0.124	1.24	2.34
12	Acrolein	PFB	SA	56.1	0.121	27344	20.0	5689711	0.198	1.98	4.55
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5689711	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	287584	20.0	5689711	1.251	12.51	29.76
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	33998	20.0	5689711	0.032	0.32	0.79
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5689711	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5689711	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5689711	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5689711	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5689711	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5689711	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5689711	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5689711	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5689711	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5689711	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5689711	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5689711	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5689711	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5689711	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	93496	20.0	5689711	0.432	4.32	12.76
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5689711	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	183983	20.0	5689711	0.152	1.52	5.36
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5689711	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5689711	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5689711	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5689711	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5689711	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5689711	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5689711	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5689711	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5689711	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8277087	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8277087	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8277087	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8277087	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	277539	20.0	8277087	0.170	1.70	5.45
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8277087	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8277087	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	42131	20.0	8277087	0.015	0.15	0.72
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8277087	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8277087	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8277087	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8277087	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8277087	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8277087	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8277087	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	16991	20.0	8277087	0.031	0.31	1.29
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8277087	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	142118	20.0	8277087	0.094	0.94	3.55
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8277087	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8277087	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8277087	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	590083	20.0	8277087	0.641	6.41	26.29
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8277087	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8277087	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8277087	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8277087	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8277087	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9107320	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9107320	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	36480	20.0	9107320	0.020	0.20	0.88
75	m,p-Xylenes	d5CB	SA	106.2	0.842	19169	20.0	9107320	0.013	0.13	0.54
76	Nonane	d5CB	SA	128.3	0.844	29974	20.0	9107320	0.019	0.19	1.02
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9107320	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9107320	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	17828	20.0	9107320	0.011	0.11	0.50
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	34530	20.0	9107320	0.018	0.18	1.23
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9107320	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9107320	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	20255	20.0	9107320	0.008	0.08	0.38
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9107320	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	21908	20.0	9107320	0.013	0.13	0.62
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	33288	20.0	9107320	0.018	0.18	0.87
87	Decane	d5CB	SA	142.3	1.258	38362	20.0	9107320	0.017	0.17	0.98
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9107320	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	61738	20.0	9107320	0.032	0.32	1.58
90	i-Butylbenzene	d5CB	SA	134.2	1.625	29501	20.0	9107320	0.010	0.10	0.55

91	sec-butylbenzene	d5CB	SA	134.2	1.547	59058	20.0	9107320	0.021	0.21	1.15
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	15008	20.0	9107320	0.012	0.12	0.70
93	Isopropyltoluene	d5CB	SA	134.2	1.290	161181	20.0	9107320	0.069	0.69	3.77
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9107320	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	13936	20.0	9107320	0.010	0.10	0.60
96	n-Butylbenzene	d5CB	SA	134.2	2.233	23927	20.0	9107320	0.006	0.06	0.32
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	101832	20.0	9107320	0.063	0.63	3.80
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9107320	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	11228	20.0	9107320	0.031	0.31	2.29
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9107320	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	13184	20.0	9107320	0.045	0.45	3.37
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9107320	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11883288	20.0	9107320	18.969	189.69	513.12
1	Pentafluorobenzene		IS			5689711	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8277087	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9107320	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4098757	5.0		2.200	88.00	88

File : C:\MSCHEM\1\DATA\08046B_3\2614401A.D
Operator : KL
Acquired : 4 Aug 126 2:37 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-101
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 2

Client ID T-102

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 02

File Name: 2614402A.D
Description: T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.90	0.69	1.72	3.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.77	1.24	2.07	7.80	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	91.25	3.78	24.24	172.28	
107-02-8	Acrolein	0.40	1.20	2.60	0.92	2.76	5.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	27.15	4.76	5.71	64.60	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.90	2.34	7.02	11.11	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	9.89	1.18	3.54	29.21	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.42	1.41	3.53	8.55	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.37	4.48	6.40	7.59	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	9.07	1.64	13.13	37.23	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 02

File Name: 2614402A.D
Description: T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	222.96	2.71	3.25	603.13	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 02

File Name: 2614402A.D
Description T-102
Canister: 737
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:05
Date Analyzed: 8/4/2026 **Time:** 16:30
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOHEXANONE, 3-METHYL	7.00	15.00	12.50	28.67	61.43	51.19
2-HEPTANONE, 6-METHYL-	7.00	15.00	24.50	28.67	61.43	100.34

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	02		
File Name:	2614402A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	10:05
Sample ID:	T-102	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	16:30
Anal Date:	4 Aug 126 4:30 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	737		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.190	1.69	42.00	82118
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	19826
67-56-1	Methanol	4	SA	0.040	2.49	31.00	15906
74-87-3	Chloromethane	5	SA	0.377	2.03	50.00	62568
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.557	1.91	85.00	19826
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	9.125	3.39	46.00	905981
107-02-8	Acrolein	12	SA	0.260	3.75	56.00	31793
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	2.715	4.13	58.00	553546
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.019	4.50	59.00	17016
4227-95-6	Methyl iodide	17	SA	0.190	3.51	142.00	12904
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.057	6.49	54.00	15014
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.023	5.22	59.00	22379
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.989	6.18	72.00	189823
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.242	4.33	57.00	260193
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.020	5.78	56.00	16002
71-43-2	Benzene	47	SA	0.237	6.49	78.00	340985
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.039	9.40	58.00	18686
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.041	8.92	91.00	53939
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.907	10.50	58.00	736975
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.014	10.94	106	22486
1330-20-7	m,p-Xylenes	75	SA	0.019	11.15	91.00	25421
111-84-2	Nonane	76	SA	0.029	10.86	57.00	39261
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.012	11.77	91.00	16697
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.013	12.92	83.00	22719
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.006	13.00	105.00	9712
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.008	13.12	105.00	12564
124-18-5	Decane	87	SA	0.025	12.85	57.00	51625
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.019	13.71	105.00	31908
538-93-2	i-Butylbenzene	90	SA	0.012	13.89	91.00	30477
135-98-8	sec-butylbenzene	91	SA	0.013	13.87	105.00	31908
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.027	14.10	119.00	56000
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.051	15.01	146.00	73150
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	22.296	1.81	51.00	12459583
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5046036**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7300159**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8123891**
2037-26-5	Toluene-d8	61	SURR	2.448	8.85	98.00	**4022605**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 02
File Name: 2614402A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 737
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.19	1.90	3.27	1.90	3.27	3.27	3.27	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.04	0.40	0.52	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.38	3.77	7.80	3.77	7.80	7.80	7.80	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	-4.56	-45.57	-318.97	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	9.12	91.25	172.28	91.25	172.28	172.28	172.28	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.26	2.60	5.97	2.60	5.97	5.97	5.97	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	2.71	27.15	64.60	27.15	64.60	64.60	64.60	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.02	0.19	0.57	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.19	1.90	11.11	1.90	11.11	11.11	11.11	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.06	0.57	1.29	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.02	0.23	0.95	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.99	9.89	29.21	9.89	29.21	29.21	29.21	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.24	2.42	8.55	2.42	8.55	8.55	8.55	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.02	0.20	0.69	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.24	2.37	7.59	2.37	7.59	7.59	7.59	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.04	0.39	1.61	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.04	0.41	1.53	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.91	9.07	37.23	9.07	37.23	37.23	37.23	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.01	0.14	0.61	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.02	0.19	0.81	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.03	0.29	1.50	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.01	0.12	0.52	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.01	0.13	0.91	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.01	0.06	0.31	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.01	0.08	0.37	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.03	0.25	1.47	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.02	0.19	0.92	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.01	0.12	0.63	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.01	0.13	0.70	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.03	0.27	1.47	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.05	0.51	3.06	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	22.30	222.96	603.13	222.96	603.13	603.13	603.13	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.45	98	98	98	98	98	98	2.5
										98	2.5
											2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.90	3.27
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.77	7.80
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	91.25	172.28
		=		Y	2.60	5.97
ND		ND		Y	0.00	0.00
		=		Y	27.15	64.60
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.90	11.11
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	=	Y	9.89	29.21	
ND	=	Y	2.42	8.55	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**02**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

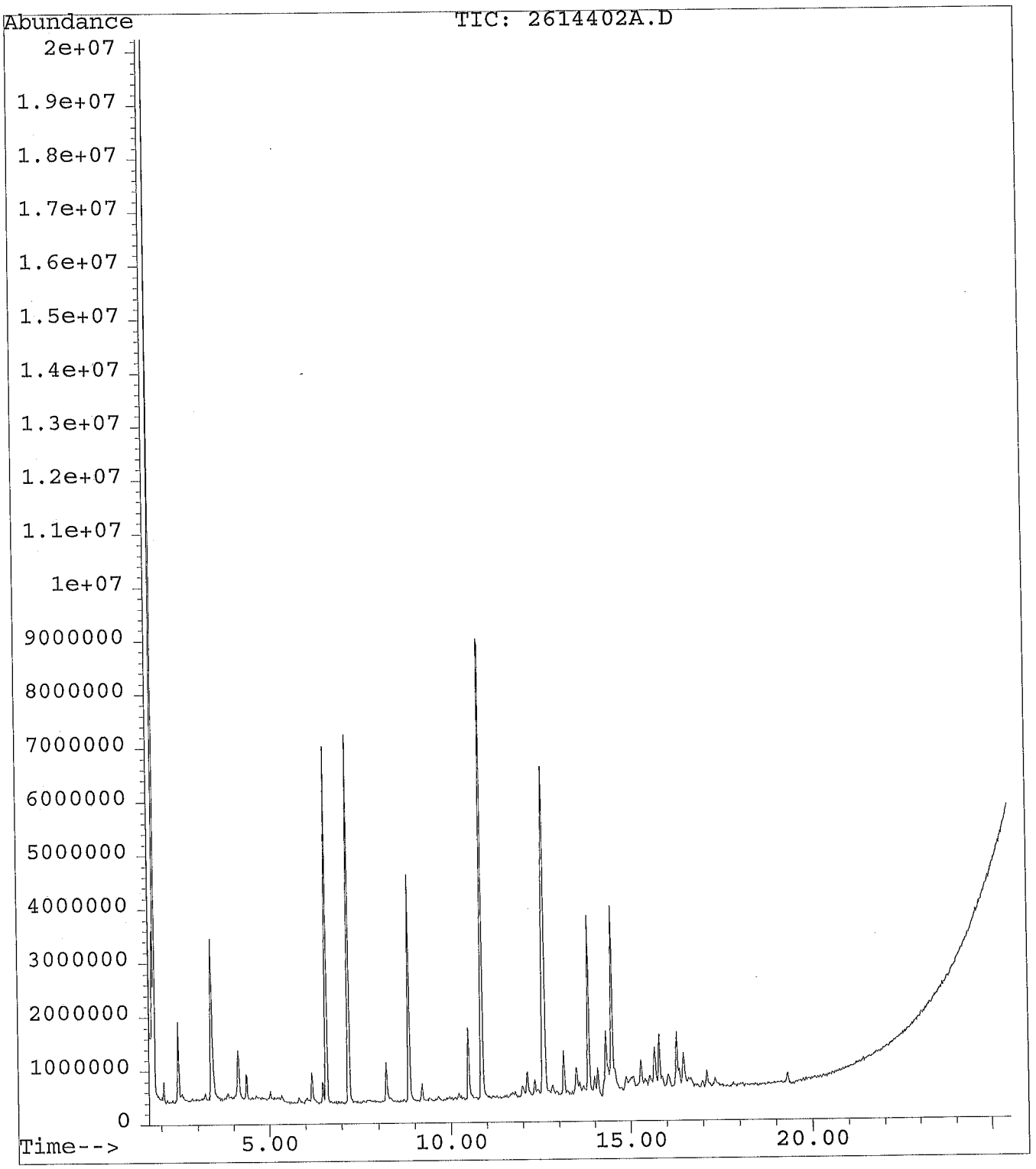
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	82118	20.0	5046036	0.190	1.90	3.27
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	19826	20.0	5046036	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	15906	20.0	5046036	0.040	0.40	0.52
5	Chloromethane	PFB	SA	50.5	0.699	62568	20.0	5046036	0.377	3.77	7.80
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	19826	20.0	5046036	-4.557	-45.57	-318.97
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5046036	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5046036	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5046036	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5046036	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	905981	20.0	5046036	9.125	91.25	172.28
12	Acrolein	PFB	SA	56.1	0.121	31793	20.0	5046036	0.260	2.60	5.97
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5046036	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	553546	20.0	5046036	2.715	27.15	64.60
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5046036	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	17016	20.0	5046036	0.019	0.19	0.57
17	Methyl iodide	PFB	SA	142.9	0.305	12904	20.0	5046036	0.190	1.90	11.11
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5046036	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5046036	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5046036	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5046036	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5046036	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5046036	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5046036	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5046036	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	15014	20.0	5046036	0.057	0.57	1.29
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5046036	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	22379	20.0	5046036	0.023	0.23	0.95
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5046036	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	189823	20.0	5046036	0.989	9.89	29.21
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5046036	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	260193	20.0	5046036	0.242	2.42	8.55
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5046036	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5046036	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5046036	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5046036	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5046036	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5046036	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5046036	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5046036	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5046036	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7300159	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7300159	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7300159	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	16002	20.0	7300159	0.020	0.20	0.69
47	Benzene	14DFB	SA	78.1	0.984	340985	20.0	7300159	0.237	2.37	7.59
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7300159	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7300159	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7300159	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7300159	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7300159	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7300159	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7300159	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7300159	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7300159	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7300159	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	18686	20.0	7300159	0.039	0.39	1.61
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7300159	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	53939	20.0	7300159	0.041	0.41	1.53
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7300159	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7300159	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7300159	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	736975	20.0	7300159	0.907	9.07	37.23
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7300159	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7300159	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7300159	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7300159	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7300159	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8123891	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8123891	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	22486	20.0	8123891	0.014	0.14	0.61
75	m,p-Xylenes	d5CB	SA	106.2	0.842	25421	20.0	8123891	0.019	0.19	0.81
76	Nonane	d5CB	SA	128.3	0.844	39261	20.0	8123891	0.029	0.29	1.50
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8123891	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8123891	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	16697	20.0	8123891	0.012	0.12	0.52
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	22719	20.0	8123891	0.013	0.13	0.91
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8123891	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8123891	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8123891	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8123891	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	9712	20.0	8123891	0.006	0.06	0.31
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	12564	20.0	8123891	0.008	0.08	0.37
87	Decane	d5CB	SA	142.3	1.258	51625	20.0	8123891	0.025	0.25	1.47
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8123891	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	31908	20.0	8123891	0.019	0.19	0.92
90	i-Butylbenzene	d5CB	SA	134.2	1.625	30477	20.0	8123891	0.012	0.12	0.63

91	sec-butylbenzene	d5CB	SA	134.2	1.547	31908	20.0	8123891	0.013	0.13	0.70
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8123891	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	56000	20.0	8123891	0.027	0.27	1.47
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8123891	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8123891	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8123891	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	73150	20.0	8123891	0.051	0.51	3.06
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8123891	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8123891	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8123891	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8123891	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8123891	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12459583	20.0	8123891	22.296	222.96	603.13
1	Pentafluorobenzene		IS			5046036	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7300159	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8123891	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4022605	5.0		2.448	97.92	98

File : C:\MSCHEM\1\DATA\08046B_3\2614402A.D
Operator : SW
Acquired : 4 Aug 126 4:30 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-102
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 3

Client ID T-103

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 03**

File Name: 2614403A.D **Date Sampled:** 7/20/2026 **Time:** 10:03
Description: T-103 **Date Analyzed:** 8/4/2026 **Time:** 17:08
Canister: 548 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.17	0.69	1.72	2.01	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.11	2.62	3.15	6.70	
74-87-3	Chloromethane	0.60	1.00	3.87	1.24	2.07	8.01	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	45.11	3.78	24.24	85.17	
107-02-8	Acrolein	0.40	1.20	2.60	0.92	2.76	5.98	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	20.92	4.76	5.71	49.77	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.55	1.18	3.54	13.44	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.89	1.41	3.53	6.67	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.72	4.48	6.40	5.51	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.60	1.64	13.13	14.77	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 03

File Name: 2614403A.D
Description T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	212.39	2.71	3.25	574.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 03

File Name: 2614403A.D
Description T-103
Canister: 548
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:03
Date Analyzed: 8/4/2026 **Time:** 17:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	22.80	28.67	61.43	93.38

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	03		
File Name:	2614403A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	10:03
Sample ID:	T-103	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	17:08
Anal Date:	4 Aug 126 5:08 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	548		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.117	1.69	42.00	55778
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	33480
67-56-1	Methanol	4	SA	0.511	2.49	31.00	225811
74-87-3	Chloromethane	5	SA	0.387	2.03	50.00	81501
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.533	1.91	85.00	35291
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	4.511	3.39	46.00	494539
107-02-8	Acrolein	12	SA	0.260	3.75	56.00	35183
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	2.092	4.13	58.00	470899
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.455	6.18	72.00	96437
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.189	4.33	57.00	224216
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.172	6.49	78.00	275075
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.360	10.50	58.00	325152
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.80	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.239	1.85	51.00	13189196
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5571495**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8118902**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9027571**
2037-26-5	Toluene-d8	61	SURR	2.462	8.85	98.00	**4500096**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 03
File Name: 2614403A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 548
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.12	1.17	2.01	1.17	2.01	2.01	2.01	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.51	5.11	6.70	5.11	6.70	6.70	6.70	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.39	3.87	8.01	3.87	8.01	8.01	8.01	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	-4.53	-45.33	-317.26	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	4.51	45.11	85.17	45.11	85.17	85.17	85.17	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.26	2.60	5.98	2.60	5.98	5.98	5.98	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	2.09	20.92	49.77	20.92	49.77	49.77	49.77	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.46	4.55	13.44	4.55	13.44	13.44	13.44	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.19	1.89	6.67	1.89	6.67	6.67	6.67	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.17	1.72	5.51	1.72	5.51	5.51	5.51	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.36	3.60	14.77	3.60	14.77	14.77	14.77	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.24	212.39	574.53	212.39	574.53	574.53	574.53	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	98	2.5	2.5
0										
0										
0										

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.17	2.01
ND		ND		Y	0.00	0.00
		=		Y	5.11	6.70
		=		Y	3.87	8.01
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	45.11	85.17
		=		Y	2.60	5.98
ND		ND		Y	0.00	0.00
		=		Y	20.92	49.77
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.55	13.44
ND	ND	Y	0.00	0.00
	=	Y	1.89	6.67
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.72	5.51
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.60	14.77

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**03**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = Cn

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

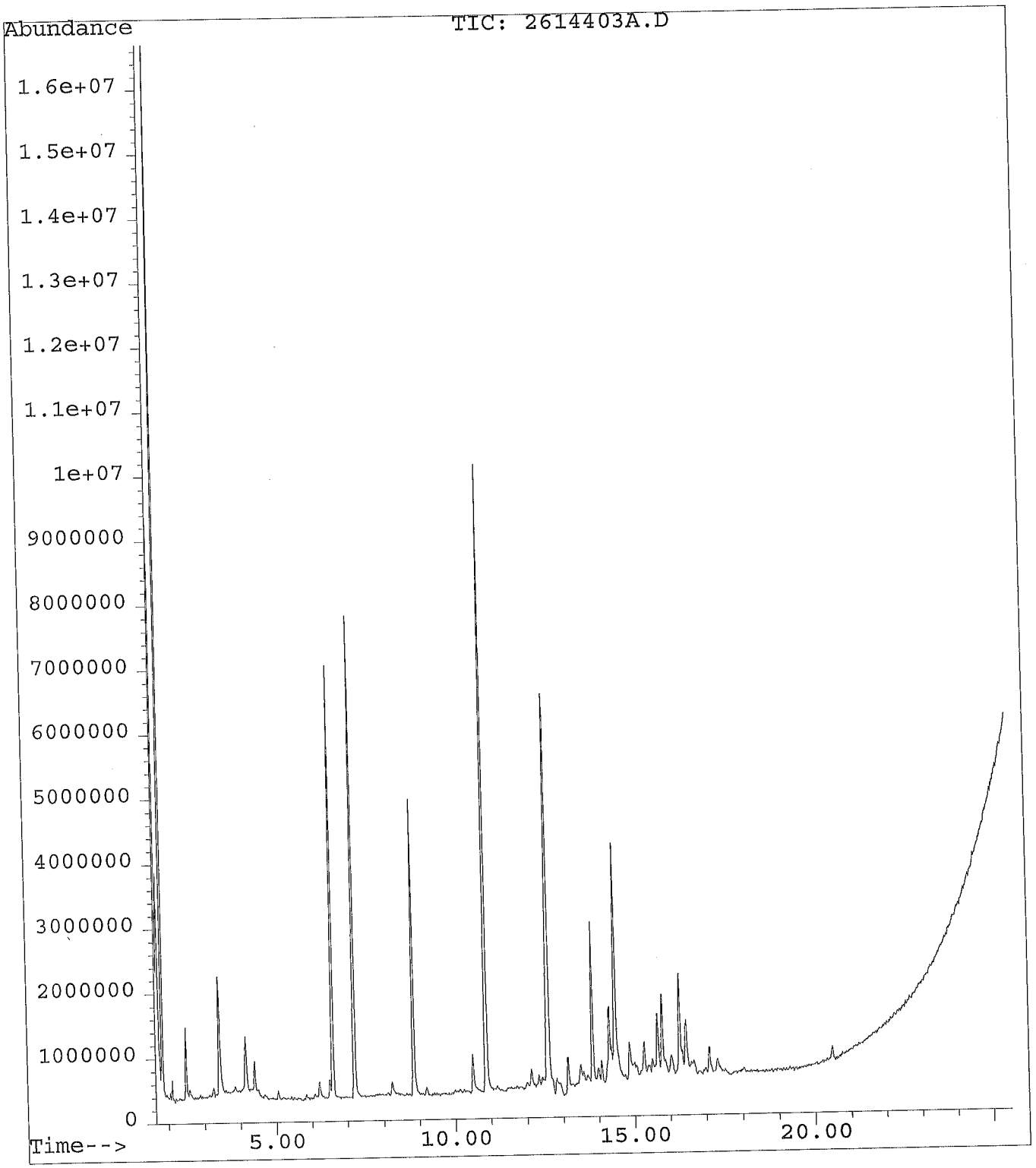
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	55778	20.0	5571495	0.117	1.17	2.01
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	33480	20.0	5571495	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	225811	20.0	5571495	0.511	5.11	6.70
5	Chloromethane	PFB	SA	50.5	0.699	81501	20.0	5571495	0.387	3.87	8.01
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	35291	20.0	5571495	-4.533	-45.33	-317.26
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5571495	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5571495	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5571495	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5571495	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	494539	20.0	5571495	4.511	45.11	85.17
12	Acrolein	PFB	SA	56.1	0.121	35183	20.0	5571495	0.260	2.60	5.98
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5571495	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	470899	20.0	5571495	2.092	20.92	49.77
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5571495	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5571495	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5571495	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5571495	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5571495	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5571495	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5571495	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5571495	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5571495	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5571495	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5571495	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5571495	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5571495	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5571495	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5571495	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	96437	20.0	5571495	0.455	4.55	13.44
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5571495	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	224216	20.0	5571495	0.189	1.89	6.67
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5571495	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5571495	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5571495	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5571495	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5571495	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5571495	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5571495	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5571495	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5571495	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8118902	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8118902	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8118902	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8118902	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	275075	20.0	8118902	0.172	1.72	5.51
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8118902	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8118902	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8118902	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8118902	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8118902	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8118902	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8118902	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8118902	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8118902	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8118902	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8118902	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8118902	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	8118902	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8118902	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8118902	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8118902	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	325152	20.0	8118902	0.360	3.60	14.77
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8118902	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8118902	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8118902	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8118902	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8118902	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9027571	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9027571	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9027571	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	9027571	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9027571	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9027571	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9027571	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9027571	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9027571	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9027571	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9027571	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9027571	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9027571	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9027571	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9027571	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9027571	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9027571	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9027571	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9027571	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9027571	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9027571	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	9027571	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9027571	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9027571	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9027571	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9027571	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9027571	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9027571	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9027571	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9027571	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9027571	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13189196	20.0	9027571	21.239	212.39	574.53
1	Pentafluorobenzene		IS			5571495	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8118902	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9027571	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4500096	5.0		2.462	98.49	98

File : C:\MSCHEM\1\DATA\08046B_3\2614403A.D
Operator : SW
Acquired : 4 Aug 126 5:08 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-103
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **4**

Client ID T-104

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 04**

File Name: 2614404A.D **Date Sampled:** 7/20/2026 **Time:** 09:58
Description: T-104 **Date Analyzed:** 8/4/2026 **Time:** 17:47
Canister: 990 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.78	0.69	1.72	3.07	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	11.17	2.62	3.15	14.64	
74-87-3	Chloromethane	0.60	1.00	4.04	1.24	2.07	8.36	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	73.97	3.78	24.24	139.66	
107-02-8	Acrolein	0.40	1.20	5.38	0.92	2.76	12.36	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	96.70	4.76	5.71	230.10	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.30	1.97	12.31	5.65	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	49.30	1.18	3.54	145.56	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.75	1.41	3.53	6.16	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.71	4.48	6.40	5.46	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.97	1.64	13.13	8.08	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.21	3.02	3.77	4.57	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	11.53	1.64	13.13	47.30	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.85	4.40	13.19	10.16	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 04

File Name: 2614404A.D
Description T-104
Canister: 990
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 09:58
Date Analyzed: 8/4/2026 **Time:** 17:47
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.60	2.71	3.25	585.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 04

File Name: 2614404A.D
Description T-104
Canister: 990
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 09:58
Date Analyzed: 8/4/2026 **Time:** 17:47
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-PENTANONE	7.00	15.00	28.20	28.67	61.43	115.49

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	04		
File Name:	2614404A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	9:58
Sample ID:	T-104	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	17:47
Anal Date:	4 Aug 126 5:47 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	990		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.178	1.69	42.00	83746
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.117	2.49	31.00	485879
74-87-3	Chloromethane	5	SA	0.404	2.03	50.00	99374
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.546	1.91	85.00	27352
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	7.397	3.39	46.00	797890
107-02-8	Acrolein	12	SA	0.538	3.75	56.00	71538
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	9.670	4.13	58.00	2142096
67-63-0	2-propanol (isopropylalcohc	15	SA	0.230	3.99	45.00	233571
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	4.930	6.18	72.00	1027720
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.175	4.33	57.00	203881
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.171	6.49	78.00	276050
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.197	9.40	58.00	105586
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.121	8.92	91.00	181653
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	1.153	10.50	58.00	1054798
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.185	14.10	119.00	436698
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.660	1.85	51.00	13634854
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5481946**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8224572**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9151228**
2037-26-5	Toluene-d8	61	SURR	2.495	8.85	98.00	**4618384**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG:	**226144**	EDD SURR:	PERCENT	IS LCL	50	Gas Constant	
Laboratory Number:	**04**	Sam Type:	SA	IS UCL	200	T	24.5
File Name:	2614404A.D	Instrument:	MA1	SUR LCL	70	P	760
Run Method:	B1563_C.M	DETECT:	ND	SUR UCL	130	MV	24.417
Can Factor:	1.00	Matrix:	AA	MDL Factor	0.4	GC	24.417
Air Volume:	100.0 ml	Type:	SA	E Flag	1.3		
Can/Tube Number:	990	Diluton:	0.1000				
Dilution Factor:	0.1000	Sig Figs:	2				
Base Volume:	1000 ml	MDLSF:	2				
Unit Factor (ppbv):	1000	PPBV	UG/M3				

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.18	1.78	3.07	1.78	3.07	3.07	3.07	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.12	11.17	14.64	11.17	14.64	14.64	14.64	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.40	4.04	8.36	4.04	8.36	8.36	8.36	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	-4.55	-45.46	-318.21	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	7.40	73.97	139.66	73.97	139.66	139.66	139.66	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.54	5.38	12.36	5.38	12.36	12.36	12.36	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	9.67	96.70	230.10	96.70	230.10	230.10	230.10	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.23	2.30	5.65	2.30	5.65	5.65	5.65	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	4.93	49.30	145.56	49.30	145.56	145.56	145.56	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.17	1.75	6.16	1.75	6.16	6.16	6.16	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.17	1.71	5.46	1.71	5.46	5.46	5.46	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.20	1.97	8.08	1.97	8.08	8.08	8.08	0.100	0.800	0.40	1.64	3.20	13.13	J
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.12	1.21	4.57	1.21	4.57	4.57	4.57	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	1.15	11.53	47.30	11.53	47.30	47.30	47.30	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.18	1.85	10.16	1.85	10.16	10.16	10.16	0.200	0.600	0.80	4.40	2.40	13.19	J
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.66	216.60	585.92	216.60	585.92	585.92	585.92	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.49	100	100	100	100	100	100	100	2.5	2.5	
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.78	3.07
ND		ND		Y	0.00	0.00
		=		Y	11.17	14.64
		=		Y	4.04	8.36
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	73.97	139.66
		=		Y	5.38	12.36
ND		ND		Y	0.00	0.00
		=		Y	96.70	230.10
J		=		Y	2.30	5.65
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	49.30	145.56
ND	ND	Y	0.00	0.00
	=	Y	1.75	6.16
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.71	5.46
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.97	8.08
ND	ND	Y	0.00	0.00
	=	Y	1.21	4.57
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	11.53	47.30

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**04**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = Cn

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

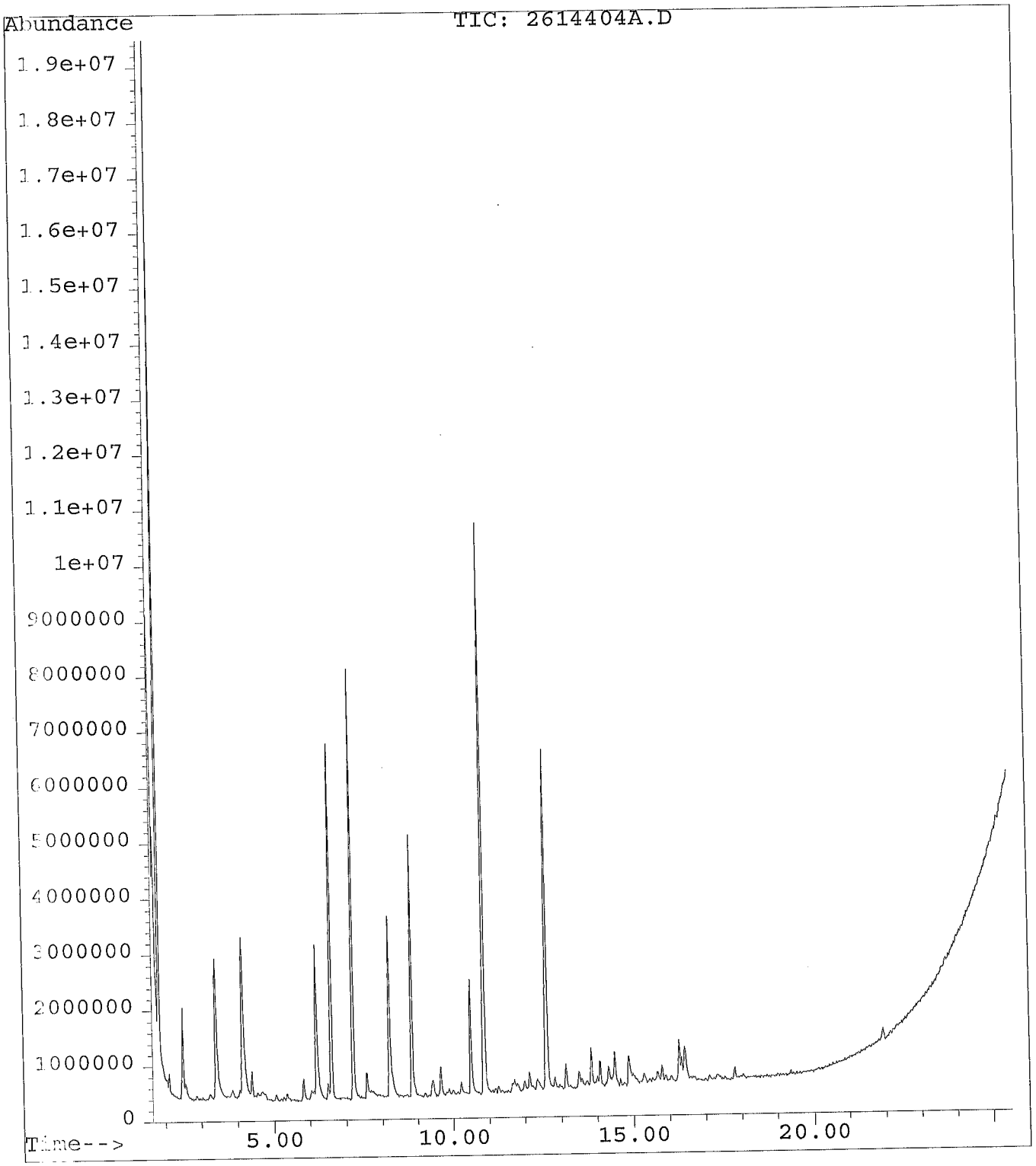
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi AIs	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	83746	20.0	5481946	0.178	1.78	3.07
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5481946	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	485879	20.0	5481946	1.117	11.17	14.64
5	Chloromethane	PFB	SA	50.5	0.699	99374	20.0	5481946	0.404	4.04	8.36
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	27352	20.0	5481946	-4.546	-45.46	-318.21
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5481946	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5481946	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5481946	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5481946	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	797890	20.0	5481946	7.397	73.97	139.66
12	Acrolein	PFB	SA	56.1	0.121	71538	20.0	5481946	0.538	5.38	12.36
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5481946	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	2142096	20.0	5481946	9.670	96.70	230.10
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	233571	20.0	5481946	0.230	2.30	5.65
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5481946	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	5481946	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5481946	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5481946	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5481946	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5481946	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5481946	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5481946	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5481946	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5481946	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5481946	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5481946	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5481946	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5481946	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	1027720	20.0	5481946	4.930	49.30	145.56
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5481946	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	203881	20.0	5481946	0.175	1.75	6.16
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5481946	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5481946	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5481946	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5481946	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5481946	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5481946	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5481946	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5481946	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5481946	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8224572	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8224572	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8224572	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8224572	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	276050	20.0	8224572	0.171	1.71	5.46
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8224572	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8224572	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8224572	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8224572	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8224572	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8224572	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8224572	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8224572	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8224572	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8224572	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	105586	20.0	8224572	0.197	1.97	8.08
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8224572	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	181653	20.0	8224572	0.121	1.21	4.57
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8224572	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8224572	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8224572	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	1054798	20.0	8224572	1.153	11.53	47.30
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8224572	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8224572	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8224572	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8224572	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8224572	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9151228	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9151228	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9151228	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	9151228	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9151228	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9151228	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9151228	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9151228	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9151228	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9151228	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9151228	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9151228	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9151228	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9151228	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9151228	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9151228	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9151228	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9151228	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9151228	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9151228	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9151228	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	436698	20.0	9151228	0.185	1.85	10.16
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9151228	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9151228	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9151228	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9151228	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9151228	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9151228	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9151228	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9151228	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9151228	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13634854	20.0	9151228	21.660	216.60	585.92
1	Pentafluorobenzene		IS			5481946	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8224572	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9151228	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4618384	5.0		2.495	99.78	100

File : C:\MSCHEM\1\DATA\08046B_3\2614404A.D
Operator : SW
Acquired : 4 Aug 126 5:47 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-104
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 5

Client ID T-105

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 05**

File Name: 2614405A.D **Date Sampled:** 7/20/2026 **Time:** 11:00
Description: T-105 **Date Analyzed:** 8/4/2026 **Time:** 18:27
Canister: 885 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.28	0.69	1.72	2.20	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.24	2.62	3.15	4.25	
74-87-3	Chloromethane	0.60	1.00	3.68	1.24	2.07	7.61	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.93	3.78	24.24	47.07	
107-02-8	Acrolein	0.40	1.20	3.48	0.92	2.76	8.00	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	18.36	4.76	5.71	43.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.01	1.97	12.31	2.49	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	1.25	0.70	3.48	4.36	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.25	1.18	3.54	21.42	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	17.09	1.41	3.53	60.34	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.52	4.48	6.40	8.05	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.92	3.02	3.77	3.46	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.76	1.64	13.13	27.75	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.70	1.74	4.35	3.04	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.94	1.74	4.35	4.11	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.19	4.40	13.19	6.51	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 05

File Name: 2614405A.D
Description T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	214.86	2.71	3.25	581.20	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 05

File Name: 2614405A.D
Description T-105
Canister: 885
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:00
Date Analyzed: 8/4/2026 **Time:** 18:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	05		
File Name:	2614405A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	11:00
Sample ID:	T-105	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	18:27
Anal Date:	4 Aug 126 6:27 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	885		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.128	1.69	42.00	62534
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	16841
67-56-1	Methanol	4	SA	0.324	2.49	31.00	146856
74-87-3	Chloromethane	5	SA	0.368	2.03	50.00	59693
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.597	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.493	3.39	46.00	280179
107-02-8	Acrolein	12	SA	0.348	3.75	56.00	48229
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.836	4.13	58.00	423764
67-63-0	2-propanol (isopropylalcohc	15	SA	0.101	3.99	45.00	107133
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.125	4.03	84.00	43201
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.725	6.18	72.00	157544
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	1.709	4.33	57.00	2079521
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.252	6.49	78.00	411928
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.092	8.92	91.00	138914
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.676	10.50	58.00	625601
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.070	10.94	106	129209
1330-20-7	m,p-Xylenes	75	SA	0.094	11.15	91.00	147726
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.75	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.003	12.83	91.00	7018
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.068	12.85	57.00	158546
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.119	14.10	119.00	284163
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.486	1.85	51.00	13733194
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5711753**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8314463**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9292048**
2037-26-5	Toluene-d8	61	SURR	2.447	8.85	98.00	**4580411**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 05
File Name: 2614405A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 885
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.13	1.28	2.20	1.28	2.20	2.20	2.20	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.32	3.24	4.25	3.24	4.25	4.25	4.25	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.37	3.68	7.61	3.68	7.61	7.61	7.61	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	-4.60	-45.97	-321.76	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.49	24.93	47.07	24.93	47.07	47.07	47.07	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.35	3.48	8.00	3.48	8.00	8.00	8.00	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.84	18.36	43.69	18.36	43.69	43.69	43.69	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.10	1.01	2.49	1.01	2.49	2.49	2.49	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.13	1.25	4.36	1.25	4.36	4.36	4.36	0.050	0.250	0.20	0.70	1.00	3.48	
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.73	7.25	21.42	7.25	21.42	21.42	21.42	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	1.71	17.09	60.34	17.09	60.34	60.34	60.34	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.25	2.52	8.05	2.52	8.05	8.05	8.05	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.09	0.92	3.46	0.92	3.46	3.46	3.46	0.200	0.250	0.80	3.02	1.00	3.77	J
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.68	6.76	27.75	6.76	27.75	27.75	27.75	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.07	0.70	3.04	0.70	3.04	3.04	3.04	0.100	0.250	0.40	1.74	1.00	4.35	J
m,p-Xylenes	106.2	0.09	0.94	4.11	0.94	4.11	4.11	4.11	0.100	0.250	0.40	1.74	1.00	4.35	J
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.03	0.13	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.07	0.68	3.95	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.12	1.19	6.51	1.19	6.51	6.51	6.51	0.200	0.600	0.80	4.40	2.40	13.19	J
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.49	214.86	581.20	214.86	581.20	581.20	581.20	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.45	98	98	98	98	98

98	98	98	98	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.28	2.20
ND		ND		Y	0.00	0.00
		=		Y	3.24	4.25
		=		Y	3.68	7.61
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	24.93	47.07
		=		Y	3.48	8.00
ND		ND		Y	0.00	0.00
		=		Y	18.36	43.69
J		=		Y	1.01	2.49
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.25	4.36
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	7.25	21.42
ND	ND	Y	0.00	0.00
	=	Y	17.09	60.34
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.52	8.05
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.92	3.46
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	6.76	27.75

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**05**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdnl) / (Cstdnl)] [(Cistdi) / (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

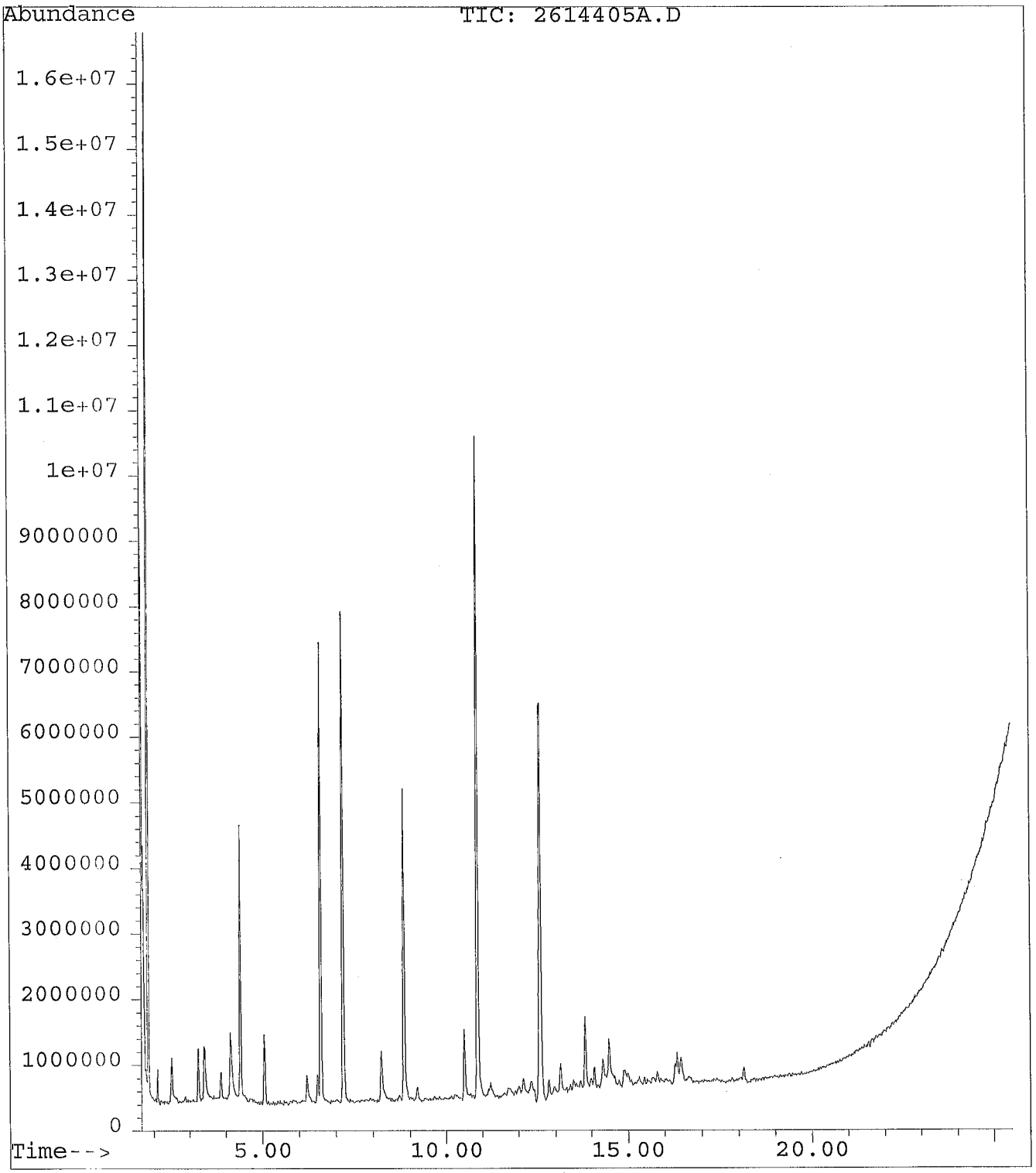
4) Amount ug/m3 = (amt(ppbv) × MW) / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi AIs	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	62534	20.0	5711753	0.128	1.28	2.20
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	16841	20.0	5711753	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	146856	20.0	5711753	0.324	3.24	4.25
5	Chloromethane	PFB	SA	50.5	0.699	59693	20.0	5711753	0.368	3.68	7.61
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5711753	-4.597	-45.97	-321.76
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5711753	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5711753	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5711753	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5711753	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	280179	20.0	5711753	2.493	24.93	47.07
12	Acrolein	PFB	SA	56.1	0.121	48229	20.0	5711753	0.348	3.48	8.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5711753	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	423764	20.0	5711753	1.836	18.36	43.69
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	107133	20.0	5711753	0.101	1.01	2.49
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5711753	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5711753	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5711753	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5711753	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5711753	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5711753	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	43201	20.0	5711753	0.125	1.25	4.36
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5711753	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5711753	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5711753	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5711753	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5711753	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5711753	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5711753	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	157544	20.0	5711753	0.725	7.25	21.42
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5711753	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	2079521	20.0	5711753	1.709	17.09	60.34
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5711753	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5711753	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5711753	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5711753	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5711753	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5711753	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5711753	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5711753	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5711753	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8314463	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8314463	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8314463	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8314463	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	411928	20.0	8314463	0.252	2.52	8.05
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8314463	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8314463	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8314463	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8314463	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8314463	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8314463	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8314463	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8314463	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8314463	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8314463	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8314463	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8314463	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	138914	20.0	8314463	0.092	0.92	3.46
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8314463	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8314463	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8314463	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	625601	20.0	8314463	0.676	6.76	27.75
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8314463	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8314463	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8314463	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8314463	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8314463	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9292048	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9292048	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	129209	20.0	9292048	0.070	0.70	3.04
75	m,p-Xylenes	d5CB	SA	106.2	0.842	147726	20.0	9292048	0.094	0.94	4.11
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9292048	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9292048	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9292048	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9292048	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9292048	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9292048	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9292048	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	7018	20.0	9292048	0.003	0.03	0.13
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9292048	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9292048	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9292048	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	158546	20.0	9292048	0.068	0.68	3.95
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9292048	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9292048	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9292048	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9292048	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9292048	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	284163	20.0	9292048	0.119	1.19	6.51
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9292048	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9292048	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9292048	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9292048	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9292048	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9292048	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9292048	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9292048	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9292048	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13733194	20.0	9292048	21.486	214.86	581.20
1	Pentafluorobenzene		IS			5711753	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8314463	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9292048	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4580411	5.0		2.447	97.89	98

File : C:\MSCHEM\1\DATA\08046B_3\2614405A.D
Operator : SW
Acquired : 4 Aug 126 6:27 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-105
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 6

Client ID T-106

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description: T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.31	0.69	1.72	3.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.86	1.24	2.07	7.98	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	263.84	3.78	24.24	498.13	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.56	4.76	5.71	41.77	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.31	0.70	3.48	11.52	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	38.27	1.41	3.53	135.10	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	4.67	4.48	6.40	14.93	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.08	3.02	3.77	11.61	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.30	1.64	13.13	5.34	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.14	1.74	4.35	4.97	
1330-20-7	m,p-Xylenes	0.40	1.00	2.68	1.74	4.35	11.67	
111-84-2	Nonane	0.40	1.00	0.58	2.10	5.25	3.07	J
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.89	1.74	4.35	3.85	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.19	4.40	13.19	12.02	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.29	2.71	3.25	595.91	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 06

File Name: 2614406A.D
Description T-106
Canister: 755
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:59
Date Analyzed: 8/4/2026 **Time:** 19:04
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOBUTANE, ETHYL-	7.00	15.00	13.90	28.67	61.43	56.93

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	06		
File Name:	2614406A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	10:59
Sample ID:	T-106	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	19:04
Anal Date:	4 Aug 126 7:04 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	755		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.231	1.69	42.00	101940
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.386	2.03	50.00	73504
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.546	1.91	85.00	25950
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	26.384	3.39	46.00	2675399
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.756	4.13	58.00	365590
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.331	4.03	84.00	103056
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.074	6.49	54.00	19705
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	3.827	4.33	57.00	4200913
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.467	6.49	78.00	733345
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.308	8.92	91.00	448249
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.130	10.50	58.00	115706
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.114	10.94	106	201178
1330-20-7	m,p-Xylenes	75	SA	0.268	11.15	91.00	400172
111-84-2	Nonane	76	SA	0.058	10.86	57.00	87496
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.089	11.79	91.00	135029
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.219	14.10	119.00	500169
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	22.029	1.86	51.00	13425208
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5153526**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7988187**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8859444**
2037-26-5	Toluene-d8	61	SURR	2.591	8.85	98.00	**4658130**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 06
File Name: 2614406A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 755
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.23	2.31	3.97	2.31	3.97	3.97	3.97	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.39	3.86	7.98	3.86	7.98	7.98	7.98	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	-4.55	-45.46	-318.18	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	26.38	263.84	498.13	263.84	498.13	498.13	498.13	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.76	17.56	41.77	17.56	41.77	41.77	41.77	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.33	3.31	11.52	3.31	11.52	11.52	11.52	0.050	0.250	0.20	0.70	1.00	3.48	
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.07	0.74	1.66	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	3.83	38.27	135.10	38.27	135.10	135.10	135.10	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.47	4.67	14.93	4.67	14.93	14.93	14.93	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.31	3.08	11.61	3.08	11.61	11.61	11.61	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.13	1.30	5.34	1.30	5.34	5.34	5.34	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.11	1.14	4.97	1.14	4.97	4.97	4.97	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.27	2.68	11.67	2.68	11.67	11.67	11.67	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.06	0.58	3.07	0.58	3.07	3.07	3.07	0.100	0.250	0.40	2.10	1.00	5.25	J
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.09	0.89	3.85	0.89	3.85	3.85	3.85	0.100	0.250	0.40	1.74	1.00	4.35	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.22	2.19	12.02	2.19	12.02	12.02	12.02	0.200	0.600	0.80	4.40	2.40	13.19	J
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	22.03	220.29	595.91	220.29	595.91	595.91	595.91	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.59	104	104	104	104	104	104	104	104	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.31	3.97
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.86	7.98
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	263.84	498.13
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	17.56	41.77
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.31	11.52
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**06**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

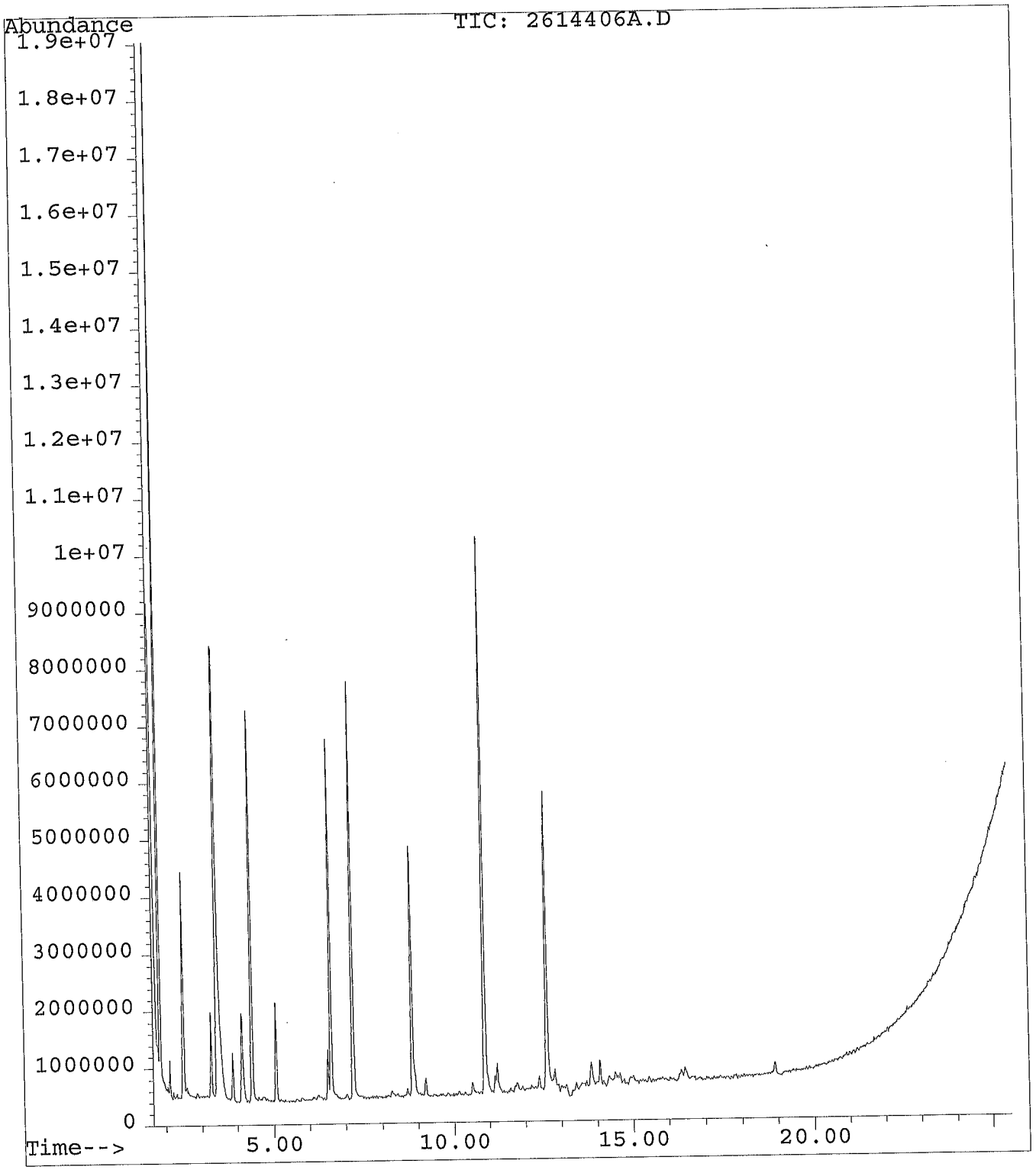
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	101940	20.0	5153526	0.231	2.31	3.97
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5153526	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	5153526	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	73504	20.0	5153526	0.386	3.86	7.98
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	25950	20.0	5153526	-4.546	-45.46	-318.18
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5153526	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5153526	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5153526	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5153526	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	2675399	20.0	5153526	26.384	263.84	498.13
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	5153526	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5153526	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	365590	20.0	5153526	1.756	17.56	41.77
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5153526	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5153526	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	5153526	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5153526	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5153526	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5153526	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5153526	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	103056	20.0	5153526	0.331	3.31	11.52
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5153526	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5153526	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5153526	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	19705	20.0	5153526	0.074	0.74	1.66
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5153526	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5153526	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5153526	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5153526	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5153526	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	4200913	20.0	5153526	3.827	38.27	135.10
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5153526	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5153526	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5153526	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5153526	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5153526	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5153526	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5153526	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5153526	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5153526	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7988187	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7988187	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7988187	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7988187	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	733345	20.0	7988187	0.467	4.67	14.93
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7988187	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7988187	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7988187	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7988187	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7988187	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7988187	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7988187	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7988187	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7988187	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7988187	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7988187	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7988187	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	448249	20.0	7988187	0.308	3.08	11.61
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7988187	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7988187	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7988187	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	115706	20.0	7988187	0.130	1.30	5.34
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7988187	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7988187	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7988187	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7988187	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7988187	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8859444	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8859444	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	201178	20.0	8859444	0.114	1.14	4.97
75	m,p-Xylenes	d5CB	SA	106.2	0.842	400172	20.0	8859444	0.268	2.68	11.67
76	Nonane	d5CB	SA	128.3	0.844	87496	20.0	8859444	0.058	0.58	3.07
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8859444	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8859444	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	135029	20.0	8859444	0.089	0.89	3.85
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8859444	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8859444	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8859444	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8859444	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8859444	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8859444	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8859444	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8859444	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8859444	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8859444	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8859444	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8859444	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8859444	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	500169	20.0	8859444	0.219	2.19	12.02
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8859444	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8859444	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8859444	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8859444	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8859444	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8859444	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8859444	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8859444	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8859444	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13425208	20.0	8859444	22.029	220.29	595.91
1	Pentafluorobenzene		IS			5153526	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7988187	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8859444	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4658130	5.0		2.591	103.62	104

File : C:\MSCHEM\1\DATA\08046B_3\2614406A.D
Operator : SW
Acquired : 4 Aug 126 7:04 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-106
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 7

Client ID T-107

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 07**

File Name:	2614407A.D	**Date Sampled:**	7/20/2026	**Time:**	11:03
Description:	T-107	**Date Analyzed:**	8/4/2026	**Time:**	19:41
Canister:	182	**Can Dilution Factor:**	1.00		
QC_Batch:	080426-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.29	0.69	1.72	2.23	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.69	1.24	2.07	7.64	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	32.10	3.78	24.24	60.61	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.98	4.76	5.71	26.12	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	2.85	0.70	3.48	9.90	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	44.46	1.41	3.53	156.96	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.86	0.59	3.54	5.50	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	9.64	4.48	6.40	30.85	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	11.06	3.02	3.77	41.71	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.86	1.64	13.13	7.65	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	0.96	1.87	4.68	4.48	J
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	3.95	1.74	4.35	17.17	
1330-20-7	m,p-Xylenes	0.40	1.00	6.18	1.74	4.35	26.87	
111-84-2	Nonane	0.40	1.00	1.94	2.10	5.25	10.20	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.53	1.74	4.35	6.67	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	1.64	4.66	13.99	9.57	J
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.57	4.40	13.19	14.15	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 07

File Name: 2614407A.D
Description T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.00	2.71	3.25	584.30	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 07

File Name: 2614407A.D
Description T-107
Canister: 182
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 11:03
Date Analyzed: 8/4/2026 **Time:** 19:41
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOPENTANE, METHYL-	7.00	15.00	18.40	28.67	61.43	75.36
BICYCLO[2.2.1]HEPT-2-ENE, 1,7,7-TRI	7.00	15.00	17.80	28.67	61.43	72.90

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	07		
File Name:	2614407A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	11:03
Sample ID:	T-107	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	19:41
Anal Date:	4 Aug 126 7:41 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	182		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.129	1.69	42.00	64475
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.369	2.03	50.00	62582
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.597	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	3.210	3.39	46.00	366671
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.098	4.13	58.00	257484
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.285	4.03	84.00	99715
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	4.446	4.33	57.00	5497229
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.186	6.18	72.00	40576
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.964	6.49	78.00	1605996
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	1.106	8.92	91.00	1706250
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.186	10.50	58.00	175485
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.096	8.72	85.00	59581
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.395	10.94	106	703149
1330-20-7	m,p-Xylenes	75	SA	0.618	11.15	91.00	931800
111-84-2	Nonane	76	SA	0.194	10.86	57.00	293861
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.153	11.77	91.00	236455
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.050	13.00	105.00	85543
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.164	12.85	57.00	370250
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.068	13.71	105.00	128176
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.257	14.10	119.00	595338
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.600	1.84	51.00	13312096
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5804475**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8464039**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8959397**
2037-26-5	Toluene-d8	61	SURR	2.462	8.85	98.00	**4691611**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 07
File Name: 2614407A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 182
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT
Sam Type: SA
Instrument: MA1
DETECT: ND
Matrix: AA
Type: SA
Diluton: 0.1000
Sig Figs: 2
MDLSF: 2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.13	1.29	2.23	1.29	2.23	2.23	2.23	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.37	3.69	7.64	3.69	7.64	7.64	7.64	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	-4.60	-45.97	-321.76	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	3.21	32.10	60.61	32.10	60.61	60.61	60.61	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.10	10.98	26.12	10.98	26.12	26.12	26.12	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.28	2.85	9.90	2.85	9.90	9.90	9.90	0.050	0.250	0.20	0.70	1.00	3.48	
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	4.45	44.46	156.96	44.46	156.96	156.96	156.96	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.19	1.86	5.50	1.86	5.50	5.50	5.50	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.96	9.64	30.85	9.64	30.85	30.85	30.85	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	1.11	11.06	41.71	11.06	41.71	41.71	41.71	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.19	1.86	7.65	1.86	7.65	7.65	7.65	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.10	0.96	4.48	0.96	4.48	4.48	4.48	0.100	0.250	0.40	1.87	1.00	4.68	J
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.39	3.95	17.17	3.95	17.17	17.17	17.17	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.62	6.18	26.87	6.18	26.87	26.87	26.87	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.19	1.94	10.20	1.94	10.20	10.20	10.20	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.15	1.53	6.67	1.53	6.67	6.67	6.67	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.05	0.50	2.45	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.16	1.64	9.57	1.64	9.57	9.57	9.57	0.200	0.600	0.80	4.66	2.40	13.99	J
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.07	0.68	3.33	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.26	2.57	14.15	2.57	14.15	14.15	14.15	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.60	216.00	584.30	216.00	584.30	584.30	584.30	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	98	98	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.29	2.23
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.69	7.64
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	32.10	60.61
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	10.98	26.12
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.85	9.90
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	44.46	156.96
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.86	5.50
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	9.64	30.85
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	11.06	41.71
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.86	7.65

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**07**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right| \left|\frac{(Cistdi)}{(Aistdi)}\right|$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \times \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)}{(SV)} \times \frac{1000}{MW} \times (CDF)$

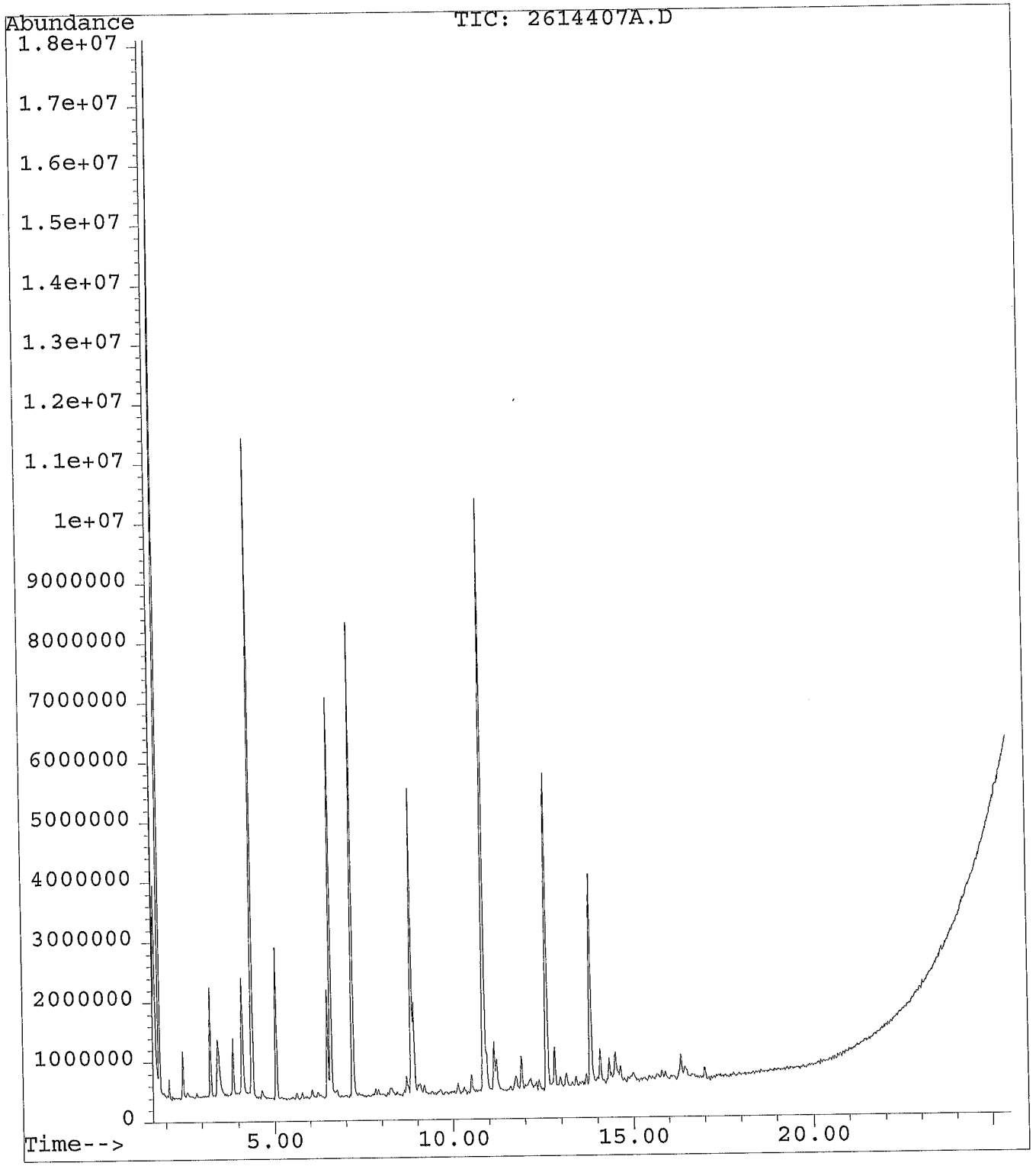
4) Amount ug/m3 = $\frac{(amt(ppbv)}{24.42} \times MW$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	64475	20.0	5804475	0.129	1.29	2.23
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5804475	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	5804475	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	62582	20.0	5804475	0.369	3.69	7.64
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5804475	-4.597	-45.97	-321.76
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5804475	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5804475	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5804475	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5804475	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	366671	20.0	5804475	3.210	32.10	60.61
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	5804475	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5804475	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	257484	20.0	5804475	1.098	10.98	26.12
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5804475	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5804475	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	5804475	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5804475	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5804475	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5804475	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5804475	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	99715	20.0	5804475	0.285	2.85	9.90
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5804475	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5804475	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5804475	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5804475	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5804475	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5804475	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5804475	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5804475	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5804475	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	5497229	20.0	5804475	4.446	44.46	156.96
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5804475	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5804475	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5804475	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5804475	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	40576	20.0	5804475	0.186	1.86	5.50
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5804475	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5804475	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5804475	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5804475	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8464039	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8464039	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8464039	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8464039	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	1605996	20.0	8464039	0.964	9.64	30.85
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8464039	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8464039	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8464039	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8464039	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8464039	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8464039	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8464039	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8464039	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8464039	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8464039	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8464039	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8464039	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	1706250	20.0	8464039	1.106	11.06	41.71
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8464039	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8464039	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8464039	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	175485	20.0	8464039	0.186	1.86	7.65
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8464039	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	59581	20.0	8464039	0.096	0.96	4.48
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8464039	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8464039	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8464039	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8959397	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8959397	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	703149	20.0	8959397	0.395	3.95	17.17
75	m,p-Xylenes	d5CB	SA	106.2	0.842	931800	20.0	8959397	0.618	6.18	26.87
76	Nonane	d5CB	SA	128.3	0.844	293861	20.0	8959397	0.194	1.94	10.20
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8959397	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8959397	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	236455	20.0	8959397	0.153	1.53	6.67
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8959397	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8959397	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8959397	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8959397	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8959397	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	85543	20.0	8959397	0.050	0.50	2.45
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8959397	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	370250	20.0	8959397	0.164	1.64	9.57
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8959397	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	128176	20.0	8959397	0.068	0.68	3.33
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8959397	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8959397	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8959397	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	595338	20.0	8959397	0.257	2.57	14.15
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8959397	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8959397	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8959397	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8959397	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8959397	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8959397	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8959397	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8959397	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8959397	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13312096	20.0	8959397	21.600	216.00	584.30
1	Pentafluorobenzene		IS			5804475	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8464039	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8959397	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4691611	5.0		2.462	98.50	98

File : C:\MSCHEM\1\DATA\08046B_3\2614407A.D
Operator : SW
Acquired : 4 Aug 126 7:41 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-107
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 8

Client ID T-108

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 08**

File Name: 2614408A.D **Date Sampled:** 7/20/2026 **Time:** 10:57
Description: T-108 **Date Analyzed:** 8/4/2026 **Time:** 20:18
Canister: 551 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.64	0.69	1.72	8.00	
75-71-8	Dichlorodifluoromethane	0.60	1.00	1.33	2.97	4.95	6.58	
67-56-1	Methanol	2.00	2.40	4.15	2.62	3.15	5.44	
74-87-3	Chloromethane	0.60	1.00	3.87	1.24	2.07	8.00	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.58	3.78	24.24	36.96	
107-02-8	Acrolein	0.40	1.20	3.72	0.92	2.76	8.55	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	11.49	4.76	5.71	27.34	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.08	0.70	3.48	10.69	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	39.89	1.41	3.53	140.81	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.80	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.44	3.02	3.77	5.44	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	0.58	1.74	4.35	2.52	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 08**

File Name: 2614408A.D
Description T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	161.74	2.71	3.25	437.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 08

File Name: 2614408A.D
Description T-108
Canister: 551
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 10:57
Date Analyzed: 8/4/2026 **Time:** 20:18
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOPROPANE, PROPYL-	7.00	15.00	14.50	28.67	61.43	59.38

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	08		
File Name:	2614408A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	10:57
Sample ID:	T-108	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	20:18
Anal Date:	4 Aug 126 8:18 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	551		
Cal Update:	Thu Aug 06 13:47:55 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.464	1.69	42.00	223852
75-71-8	Dichlorodifluoromethane	3	SA	0.133	1.74	85.00	26543
67-56-1	Methanol	4	SA	0.415	2.49	31.00	185197
74-87-3	Chloromethane	5	SA	0.387	2.03	50.00	81446
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.958	3.39	46.00	216579
107-02-8	Acrolein	12	SA	0.372	3.75	56.00	50736
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.149	4.13	58.00	261016
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.308	4.03	84.00	104370
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	3.989	4.33	57.00	4776774
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.181	6.49	78.00	300695
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.144	8.92	91.00	221771
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.058	11.15	91.00	96810
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.79	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.003	13.87	105.00	9111
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.058	14.10	119.00	148729
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.174	1.83	51.00	11038308
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5622258**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8433041**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9921652**
2037-26-5	Toluene-d8	61	SURR	2.478	8.85	98.00	**4704018**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 08
File Name: 2614408A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 551
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.46	4.64	8.00	4.64	8.00	8.00	8.00	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.13	1.33	6.58	1.33	6.58	6.58	6.58	0.150	0.250	0.60	2.97	1.00	4.95	
Methanol	32.0	0.42	4.15	5.44	4.15	5.44	5.44	5.44	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.39	3.87	8.00	3.87	8.00	8.00	8.00	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.96	19.58	36.96	19.58	36.96	36.96	36.96	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.37	3.72	8.55	3.72	8.55	8.55	8.55	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.15	11.49	27.34	11.49	27.34	27.34	27.34	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.31	3.08	10.69	3.08	10.69	10.69	10.69	0.050	0.250	0.20	0.70	1.00	3.48	
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	3.99	39.89	140.81	39.89	140.81	140.81	140.81	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.18	1.81	5.80	1.81	5.80	5.80	5.80	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.14	1.44	5.44	1.44	5.44	5.44	5.44	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.06	0.58	2.52	0.58	2.52	2.52	2.52	0.100	0.250	0.40	1.74	1.00	4.35	J
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.03	0.16	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.06	0.58	3.19	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.17	161.74	437.51	161.74	437.51	437.51	437.51	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.48	99	99	99	99	99	99	99	2.5	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.64	8.00
		=		Y	1.33	6.58
		=		Y	4.15	5.44
		=		Y	3.87	8.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	19.58	36.96
		=		Y	3.72	8.55
ND		ND		Y	0.00	0.00
		=		Y	11.49	27.34
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.08	10.69
ND		ND		Y	0.00	0.00

| | | |

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	J	Y	0.58	2.52	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**08**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

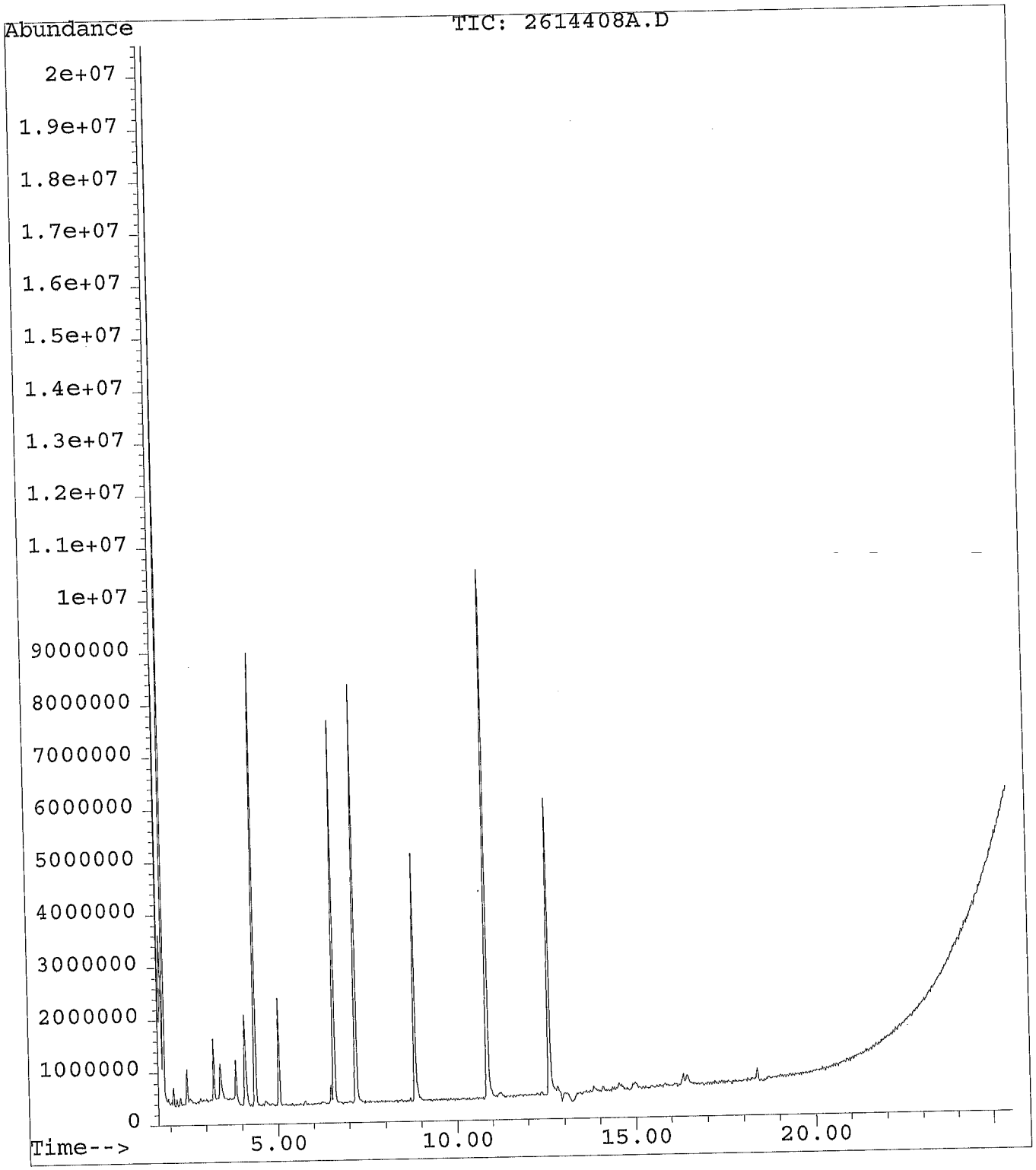
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	223852	20.0	5622258	0.464	4.64	8.00
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	26543	20.0	5622258	0.133	1.33	6.58
4	Methanol	PFB	SA	32.0	0.397	185197	20.0	5622258	0.415	4.15	5.44
5	Chloromethane	PFB	SA	50.5	0.699	81446	20.0	5622258	0.387	3.87	8.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5622258	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5622258	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5622258	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5622258	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5622258	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	216579	20.0	5622258	1.958	19.58	36.96
12	Acrolein	PFB	SA	56.1	0.121	50736	20.0	5622258	0.372	3.72	8.55
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5622258	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	261016	20.0	5622258	1.149	11.49	27.34
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5622258	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5622258	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5622258	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5622258	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5622258	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5622258	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5622258	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	104370	20.0	5622258	0.308	3.08	10.69
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5622258	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5622258	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5622258	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5622258	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5622258	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5622258	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5622258	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5622258	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5622258	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	4776774	20.0	5622258	3.989	39.89	140.81
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5622258	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5622258	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5622258	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5622258	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5622258	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5622258	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5622258	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5622258	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5622258	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8433041	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8433041	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8433041	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8433041	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	300695	20.0	8433041	0.181	1.81	5.80
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8433041	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8433041	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8433041	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8433041	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8433041	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8433041	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8433041	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8433041	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8433041	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8433041	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8433041	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8433041	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	221771	20.0	8433041	0.144	1.44	5.44
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8433041	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8433041	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8433041	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8433041	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8433041	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8433041	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8433041	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8433041	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8433041	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9921652	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9921652	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9921652	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	96810	20.0	9921652	0.058	0.58	2.52
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9921652	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9921652	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9921652	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9921652	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9921652	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9921652	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9921652	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9921652	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9921652	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9921652	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9921652	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9921652	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9921652	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9921652	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9921652	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	9111	20.0	9921652	0.003	0.03	0.16
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9921652	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	148729	20.0	9921652	0.058	0.58	3.19
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9921652	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9921652	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9921652	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9921652	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9921652	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9921652	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9921652	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9921652	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9921652	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11038308	20.0	9921652	16.174	161.74	437.51
1	Pentafluorobenzene		IS			5622258	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8433041	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9921652	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4704018	5.0		2.478	99.12	99

File : C:\MSCHEM\1\DATA\08046B_3\2614408A.D
Operator : SW
Acquired : 4 Aug 126 8:18 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-108
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 9

Client ID T-109

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 09**

File Name: 2614409A.D **Date Sampled:** 7/20/2026 **Time:** 12:14
Description: T-109 **Date Analyzed:** 8/4/2026 **Time:** 20:53
Canister: 638 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.24	0.69	1.72	2.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	1.33	2.97	4.95	6.59	
67-56-1	Methanol	2.00	2.40	4.35	2.62	3.15	5.70	
74-87-3	Chloromethane	0.60	1.00	3.64	1.24	2.07	7.53	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	50.67	3.78	24.24	95.67	
107-02-8	Acrolein	0.40	1.20	5.07	0.92	2.76	11.65	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.95	4.76	5.71	26.05	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	3.25	0.70	3.48	11.31	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	52.78	1.41	3.53	186.32	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.75	0.59	3.54	5.15	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	7.51	4.48	6.40	24.02	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.87	3.02	3.77	14.60	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	0.74	1.87	4.68	3.44	J
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	6.28	1.74	4.35	27.32	
1330-20-7	m,p-Xylenes	0.40	1.00	6.80	1.74	4.35	29.58	
111-84-2	Nonane	0.40	1.00	2.84	2.10	5.25	14.91	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	3.35	1.74	4.35	14.58	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	1.18	3.94	13.78	5.81	J
98-82-8	Isopropylbenzene	0.80	2.80	3.34	3.94	13.78	16.43	
622-96-8	4-Ethyltoluene	0.80	6.40	4.30	3.94	31.51	21.16	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	8.45	4.66	13.99	49.26	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.95	3.94	17.72	19.44	
538-93-2	i-Butylbenzene	0.80	2.40	1.25	4.40	13.19	6.86	J
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	27.42	4.40	13.19	150.72	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 09

File Name: 2614409A.D
Description T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.08	2.71	3.25	449.27	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 09

File Name: 2614409A.D
Description T-109
Canister: 638
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:14
Date Analyzed: 8/4/2026 **Time:** 20:53
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	09		
File Name:	2614409A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	12:14
Sample ID:	T-109	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	20:53
Anal Date:	4 Aug 126 8:53 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	638		
Cal Update:	Thu Aug 06 13:47:55 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.124	1.69	42.00	60560
75-71-8	Dichlorodifluoromethane	3	SA	0.133	1.74	85.00	27329
67-56-1	Methanol	4	SA	0.435	2.49	31.00	196079
74-87-3	Chloromethane	5	SA	0.364	2.03	50.00	54888
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	5.067	3.39	46.00	566966
107-02-8	Acrolein	12	SA	0.507	3.75	56.00	69895
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.095	4.13	58.00	251563
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.325	4.03	84.00	111640
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	5.278	4.33	57.00	6392968
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.175	6.18	72.00	37244
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.751	6.49	78.00	1260653
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.387	8.92	91.00	601774
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.074	8.72	85.00	46110
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.628	10.94	106	1221233
1330-20-7	m,p-Xylenes	75	SA	0.680	11.15	91.00	1119689
111-84-2	Nonane	76	SA	0.284	10.86	57.00	468641
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.335	11.75	91.00	563745
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.118	12.83	91.00	334802
98-82-8	Isopropylbenzene	84	SA	0.334	12.24	105.00	560605
622-96-8	4-Ethyltoluene	85	SA	0.430	13.00	105.00	805494
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.845	12.85	57.00	2079588
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.395	13.71	105.00	815796
538-93-2	i-Butylbenzene	90	SA	0.125	13.89	91.00	396595
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	2.742	14.10	119.00	6921024
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.608	1.83	51.00	11172513
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5686506**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8531281**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9779454**
2037-26-5	Toluene-d8	61	SURR	2.535	8.85	98.00	**4869032**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 09
File Name: 2614409A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 638
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.12	1.24	2.14	1.24	2.14	2.14	2.14	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.13	1.33	6.59	1.33	6.59	6.59	6.59	0.150	0.250	0.60	2.97	1.00	4.95	
Methanol	32.0	0.43	4.35	5.70	4.35	5.70	5.70	5.70	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.36	3.64	7.53	3.64	7.53	7.53	7.53	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	5.07	50.67	95.67	50.67	95.67	95.67	95.67	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.51	5.07	11.65	5.07	11.65	11.65	11.65	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.09	10.95	26.05	10.95	26.05	26.05	26.05	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.33	3.25	11.31	3.25	11.31	11.31	11.31	0.050	0.250	0.20	0.70	1.00	3.48	
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	5.28	52.78	186.32	52.78	186.32	186.32	186.32	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.17	1.75	5.15	1.75	5.15	5.15	5.15	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.75	7.51	24.02	7.51	24.02	24.02	24.02	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.39	3.87	14.60	3.87	14.60	14.60	14.60	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.07	0.74	3.44	0.74	3.44	3.44	3.44	0.100	0.250	0.40	1.87	1.00	4.68	J
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.63	6.28	27.32	6.28	27.32	27.32	27.32	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.68	6.80	29.58	6.80	29.58	29.58	29.58	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.28	2.84	14.91	2.84	14.91	14.91	14.91	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.34	3.35	14.58	3.35	14.58	14.58	14.58	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.12	1.18	5.81	1.18	5.81	5.81	5.81	0.200	0.700	0.80	3.94	2.80	13.78	J
Isopropylbenzene	120.2	0.33	3.34	16.43	3.34	16.43	16.43	16.43	0.200	0.700	0.80	3.94	2.80	13.78	
4-Ethyltoluene	120.2	0.43	4.30	21.16	4.30	21.16	21.16	21.16	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.85	8.45	49.26	8.45	49.26	49.26	49.26	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.39	3.95	19.44	3.95	19.44	19.44	19.44	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.12	1.25	6.86	1.25	6.86	6.86	6.86	0.200	0.600	0.80	4.40	2.40	13.19	J
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	2.74	27.42	150.72	27.42	150.72	150.72	150.72	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.61	166.08	449.27	166.08	449.27	449.27	449.27	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.54	101	101	101	101	101	101	101	101	101	2.5	2.5
0												
0												
0												

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.24	2.14
		=		Y	1.33	6.59
		=		Y	4.35	5.70
		=		Y	3.64	7.53
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	50.67	95.67
		=		Y	5.07	11.65
ND		ND		Y	0.00	0.00
		=		Y	10.95	26.05
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.25	11.31
ND		ND		Y	0.00	0.00

ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	=	Y	52.78	186.32	
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	=	Y	1.75	5.15	
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	=	Y	7.51	24.02	
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	=	Y	3.87	14.60	
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		

ND	ND	Y	0.00	0.00
J	=	Y	0.74	3.44
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	6.28	27.32
	=	Y	6.80	29.58
	=	Y	2.84	14.91
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.35	14.58
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.18	5.81
	=	Y	3.34	16.43
J	=	Y	4.30	21.16
ND	ND	Y	0.00	0.00
	=	Y	8.45	49.26
ND	ND	Y	0.00	0.00
	=	Y	3.95	19.44
J	=	Y	1.25	6.86
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	27.42	150.72
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	166.08	449.27
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**09**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right| \left|\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \cdot \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)}{(SV)} \cdot \frac{1000}{MW} \cdot (CDF)$

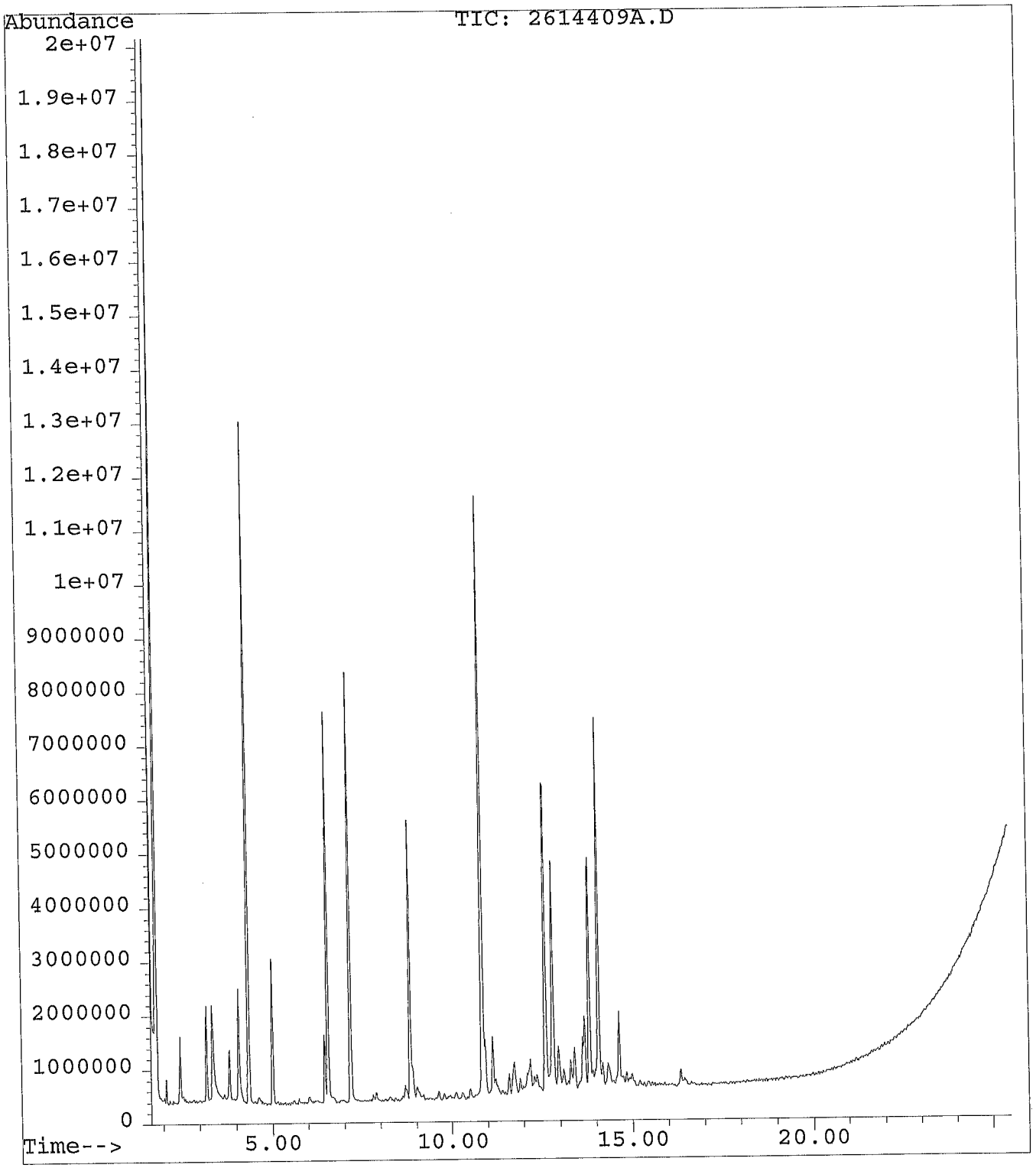
4) Amount ug/m3 = $\frac{(amt(ppbv)}{24.42} \cdot MW$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	60560	20.0	5686506	0.124	1.24	2.14
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	27329	20.0	5686506	0.133	1.33	6.59
4	Methanol	PFB	SA	32.0	0.397	196079	20.0	5686506	0.435	4.35	5.70
5	Chloromethane	PFB	SA	50.5	0.699	54888	20.0	5686506	0.364	3.64	7.53
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5686506	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5686506	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5686506	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5686506	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5686506	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	566966	20.0	5686506	5.067	50.67	95.67
12	Acrolein	PFB	SA	56.1	0.121	69895	20.0	5686506	0.507	5.07	11.65
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5686506	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	251563	20.0	5686506	1.095	10.95	26.05
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5686506	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5686506	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	5686506	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5686506	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5686506	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5686506	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5686506	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	111640	20.0	5686506	0.325	3.25	11.31
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5686506	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5686506	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5686506	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5686506	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5686506	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5686506	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5686506	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5686506	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5686506	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	6392968	20.0	5686506	5.278	52.78	186.32
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5686506	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5686506	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5686506	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5686506	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	37244	20.0	5686506	0.175	1.75	5.15
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5686506	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5686506	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5686506	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5686506	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8531281	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8531281	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8531281	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8531281	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	1260653	20.0	8531281	0.751	7.51	24.02
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8531281	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8531281	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8531281	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8531281	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8531281	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8531281	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8531281	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8531281	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8531281	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8531281	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8531281	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8531281	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	601774	20.0	8531281	0.387	3.87	14.60
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8531281	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8531281	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8531281	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8531281	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8531281	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	46110	20.0	8531281	0.074	0.74	3.44
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8531281	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8531281	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8531281	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9779454	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9779454	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	1221233	20.0	9779454	0.628	6.28	27.32
75	m,p-Xylenes	d5CB	SA	106.2	0.842	1119689	20.0	9779454	0.680	6.80	29.58
76	Nonane	d5CB	SA	128.3	0.844	468641	20.0	9779454	0.284	2.84	14.91
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9779454	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9779454	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	563745	20.0	9779454	0.335	3.35	14.58
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9779454	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9779454	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9779454	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	334802	20.0	9779454	0.118	1.18	5.81
84	Isopropylbenzene	d5CB	SA	120.2	0.859	560605	20.0	9779454	0.334	3.34	16.43
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	805494	20.0	9779454	0.430	4.30	21.16
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9779454	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	2079588	20.0	9779454	0.845	8.45	49.26
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9779454	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	815796	20.0	9779454	0.395	3.95	19.44
90	i-Butylbenzene	d5CB	SA	134.2	1.625	396595	20.0	9779454	0.125	1.25	6.86

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9779454	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9779454	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	6921024	20.0	9779454	2.742	27.42	150.72
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9779454	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9779454	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9779454	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9779454	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9779454	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9779454	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9779454	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9779454	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9779454	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11172513	20.0	9779454	16.608	166.08	449.27
1	Pentafluorobenzene		IS			5686506	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8531281	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9779454	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4869032	5.0		2.535	101.42	101

File : C:\MSCHEM\1\DATA\08046B_3\2614409A.D
Operator : SW
Acquired : 4 Aug 126 8:53 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-109
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 10

Client ID T-110

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description: T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.94	0.69	1.72	1.62	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.70	2.62	3.15	6.16	
74-87-3	Chloromethane	0.60	1.00	3.59	1.24	2.07	7.42	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	55.77	3.78	24.24	105.30	
107-02-8	Acrolein	0.40	1.20	2.23	0.92	2.76	5.12	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.88	4.76	5.71	16.37	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.69	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.12	1.41	3.53	7.49	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.33	4.48	6.40	7.44	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.02	1.74	4.35	4.44	
1330-20-7	m,p-Xylenes	0.40	1.00	1.12	1.74	4.35	4.87	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	0.85	3.94	31.51	4.19	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	1.06	4.66	13.99	6.18	J
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	3.66	4.40	13.19	20.10	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	214.10	2.71	3.25	579.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 10

File Name: 2614410A.D
Description T-110
Canister: 800
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:05
Date Analyzed: 8/5/2026 **Time:** 12:57
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	10		
File Name:	2614410A.D	Method:	TO-15	Date Sampled:	7/20/2026	Time:	12:05
Sample ID:	T-110	Matrix:	AA	Date Received:	7/24/2026	Time:	16:10
MiscInfo-Vol:	SCHMIDT	Detect:	ND	Date Analyzed:	8/5/2026	Time:	12:57
Anal Date:	5 Aug 126 12:57 pm	SF:	2	QCbatch:	080526-MA1		
Quant Method:	B15CS3_C.M	MDLSF:	2	Volume:	100.0		
Run Method:	B1563_C.M	Type:	SA	Can (Vial) No:	800		
Cal Update:	Thu Aug 06 13:47:55 2026	Instrument:	MA1	Can Factor:	1.00		
Instrument:	5970 - MS	EDD SURR:	PERCENT	SamType:	SA		
Analyst:	KL	UnitDil:	1000	PPBV			
Template:	B15CHIQ.MA1	MDL FAC	0.4	UG/M3			
Temp	24.5	EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.094	1.69	42.00	43977
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.470	2.49	31.00	203990
74-87-3	Chloromethane	5	SA	0.359	2.03	50.00	46974
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	5.577	3.39	46.00	599999
107-02-8	Acrolein	12	SA	0.223	3.75	56.00	29552
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.688	4.13	58.00	151971
67-63-0	2-propanol (isopropylalcohc	15	SA	0.150	3.99	45.00	152002
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.212	4.33	57.00	247043
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.233	6.49	78.00	364804
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.102	10.94	106	182101
1330-20-7	m,p-Xylenes	75	SA	0.112	11.15	91.00	168888
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.75	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.085	13.00	105.00	146355
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.106	12.85	57.00	239255
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.366	14.10	119.00	846537
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.115	16.27	75.00	69615
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.003	17.95	128.00	2654
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.35	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.410	1.83	51.00	13207060
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5467304**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7973087**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8967575**
2037-26-5	Toluene-d8	61	SURR	2.218	8.85	98.00	**3980047**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 10
File Name: 2614410A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 800
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.09	0.94	1.62	0.94	1.62	1.62	1.62	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.47	4.70	6.16	4.70	6.16	6.16	6.16	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.36	3.59	7.42	3.59	7.42	7.42	7.42	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	5.58	55.77	105.30	55.77	105.30	105.30	105.30	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.22	2.23	5.12	2.23	5.12	5.12	5.12	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.69	6.88	16.37	6.88	16.37	16.37	16.37	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.15	1.50	3.69	1.50	3.69	3.69	3.69	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.21	2.12	7.49	2.12	7.49	7.49	7.49	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.23	2.33	7.44	2.33	7.44	7.44	7.44	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.10	1.02	4.44	1.02	4.44	4.44	4.44	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.11	1.12	4.87	1.12	4.87	4.87	4.87	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.09	0.85	4.19	0.85	4.19	4.19	4.19	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.11	1.06	6.18	1.06	6.18	6.18	6.18	0.200	0.600	0.80	4.66	2.40	13.99	J
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.37	3.66	20.10	3.66	20.10	20.10	20.10	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.12	1.15	11.17	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.03	0.18	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.41	214.10	579.16	214.10	579.16	579.16	579.16	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.22	89	89	89	89	89	89	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=		Y	0.94	1.62
ND		ND		Y	0.00	0.00
		=		Y	4.70	6.16
		=		Y	3.59	7.42
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	55.77	105.30
		=		Y	2.23	5.12
ND		ND		Y	0.00	0.00
		=		Y	6.88	16.37
J		=		Y	1.50	3.69
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	=	Y	2.12	7.49
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	=	Y	2.33	7.44
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.02	4.44
	=	Y	1.12	4.87
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.85	4.19
ND	ND	Y	0.00	0.00
J	=	Y	1.06	6.18
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.66	20.10
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	214.10	579.16
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**10**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

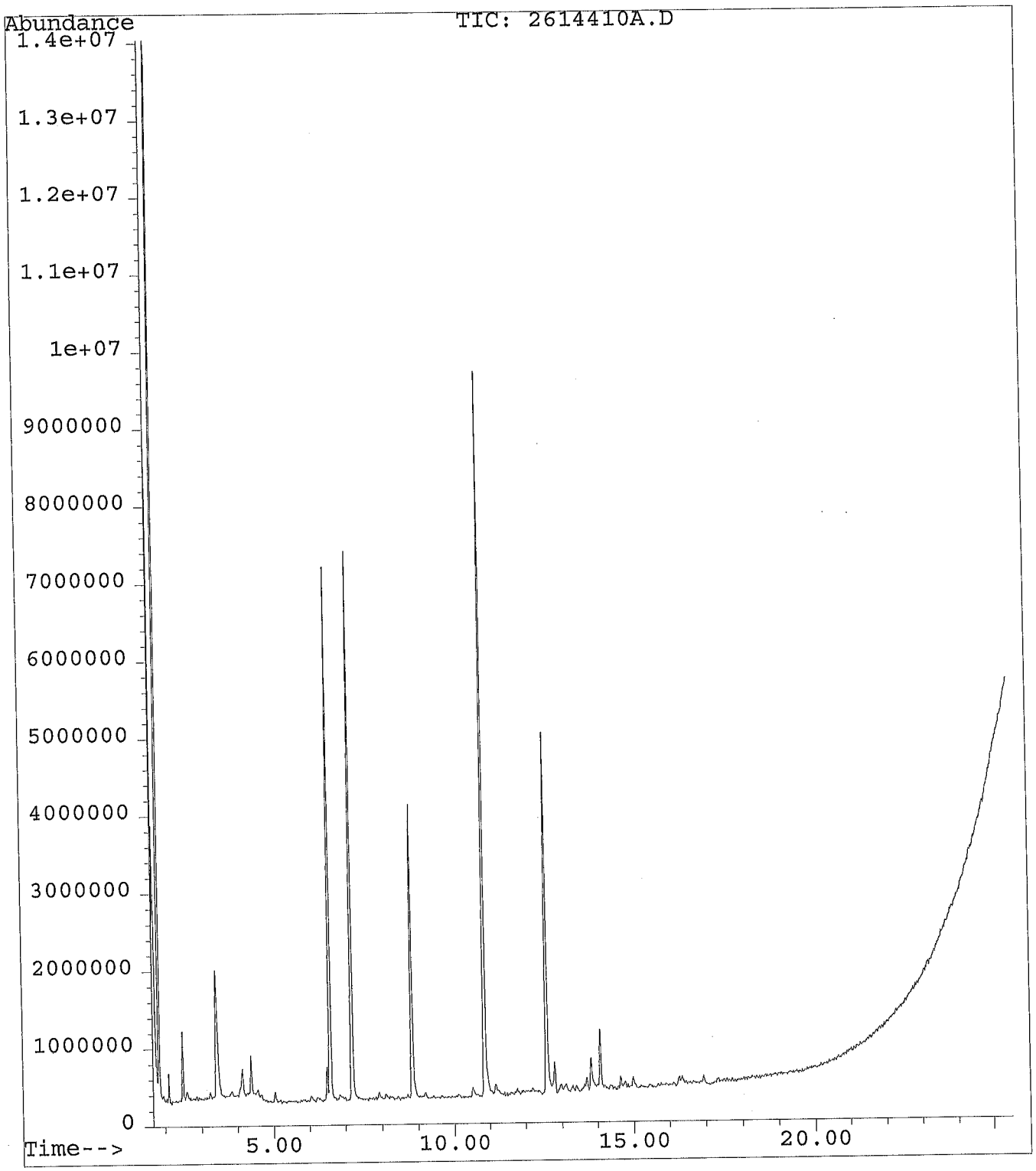
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	43977	20.0	5467304	0.094	0.94	1.62
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5467304	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	203990	20.0	5467304	0.470	4.70	6.16
5	Chloromethane	PFB	SA	50.5	0.699	46974	20.0	5467304	0.359	3.59	7.42
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5467304	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5467304	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5467304	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5467304	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5467304	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	599999	20.0	5467304	5.577	55.77	105.30
12	Acrolein	PFB	SA	56.1	0.121	29552	20.0	5467304	0.223	2.23	5.12
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5467304	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	151971	20.0	5467304	0.688	6.88	16.37
15	2-propanol (Isopropylalcohol)	PFB	SA	60.1	0.927	152002	20.0	5467304	0.150	1.50	3.69
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5467304	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5467304	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5467304	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5467304	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5467304	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5467304	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5467304	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5467304	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5467304	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5467304	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5467304	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5467304	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5467304	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5467304	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5467304	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5467304	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	247043	20.0	5467304	0.212	2.12	7.49
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5467304	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5467304	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5467304	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5467304	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5467304	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5467304	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5467304	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5467304	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5467304	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7973087	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7973087	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7973087	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7973087	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	364804	20.0	7973087	0.233	2.33	7.44
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7973087	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7973087	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7973087	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7973087	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7973087	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7973087	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7973087	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7973087	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7973087	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7973087	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7973087	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7973087	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7973087	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7973087	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7973087	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7973087	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7973087	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7973087	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7973087	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7973087	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7973087	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7973087	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8967575	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8967575	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	182101	20.0	8967575	0.102	1.02	4.44
75	m,p-Xylenes	d5CB	SA	106.2	0.842	168888	20.0	8967575	0.112	1.12	4.87
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8967575	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8967575	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8967575	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8967575	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8967575	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8967575	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8967575	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8967575	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8967575	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	146355	20.0	8967575	0.085	0.85	4.19
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8967575	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	239255	20.0	8967575	0.106	1.06	6.18
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8967575	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8967575	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8967575	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8967575	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8967575	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	846537	20.0	8967575	0.366	3.66	20.10
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8967575	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8967575	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8967575	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8967575	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	69615	20.0	8967575	0.115	1.15	11.17
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8967575	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	2654	20.0	8967575	0.003	0.03	0.18
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8967575	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8967575	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13207060	20.0	8967575	21.410	214.10	579.16
1	Pentafluorobenzene		IS			5467304	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7973087	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8967575	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3980047	5.0		2.218	88.71	89

File : C:\MSCHEM\1\DATA\08056B_3\2614410A.D
Operator : KL
Acquired : 5 Aug 126 12:57 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-110
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 11

Client ID T-111

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description: T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	3.42	1.24	2.07	7.06	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.37	3.78	24.24	46.01	
107-02-8	Acrolein	0.40	1.20	1.99	0.92	2.76	4.57	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	26.25	4.76	5.71	62.47	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.68	1.97	12.31	4.15	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.91	1.18	3.54	26.32	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.55	1.41	3.53	5.47	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	147.65	2.71	3.25	399.40	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 11

File Name: 2614411A.D
Description T-111
Canister: 645
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:02
Date Analyzed: 8/5/2026 **Time:** 13:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	11		
File Name:	2614411A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	12:02
Sample ID:	T-111	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	13:32
Anal Date:	5 Aug 126 1:32 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	645		
Cal Update:	Thu Aug 06 13:47:55 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.160	2.49	31.00	92203
74-87-3	Chloromethane	5	SA	0.342	2.03	50.00	35634
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.437	3.39	46.00	347719
107-02-8	Acrolein	12	SA	0.199	3.75	56.00	34950
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	2.625	4.13	58.00	769339
67-63-0	2-propanol (isopropylalcohc	15	SA	0.168	3.99	45.00	226593
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.891	6.18	72.00	245834
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.155	4.33	57.00	239308
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.134	6.49	78.00	277837
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.003	11.15	91.00	5881
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.84	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.063	13.71	105.00	140393
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.004	14.10	119.00	10339
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.36	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.765	1.79	51.00	10721672
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7252429**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10560539**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10556482**
2037-26-5	Toluene-d8	61	SURR	2.214	8.85	98.00	**5262936**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 11
File Name: 2614411A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 645
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.16	1.60	2.10	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.34	3.42	7.06	3.42	7.06	7.06	7.06	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.44	24.37	46.01	24.37	46.01	46.01	46.01	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.20	1.99	4.57	1.99	4.57	4.57	4.57	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	2.63	26.25	62.47	26.25	62.47	62.47	62.47	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.17	1.68	4.15	1.68	4.15	4.15	4.15	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.89	8.91	26.32	8.91	26.32	26.32	26.32	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.15	1.55	5.47	1.55	5.47	5.47	5.47	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.34	4.28	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.03	0.14	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.06	0.63	3.10	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.04	0.21	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.76	147.65	399.40	147.65	399.40	399.40	399.40	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.21	89	89	89	89	89	89	89	89	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.42	7.06
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	24.37	46.01
		=		Y	1.99	4.57
ND		ND		Y	0.00	0.00
		=		Y	26.25	62.47
J		=		Y	1.68	4.15
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**11**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

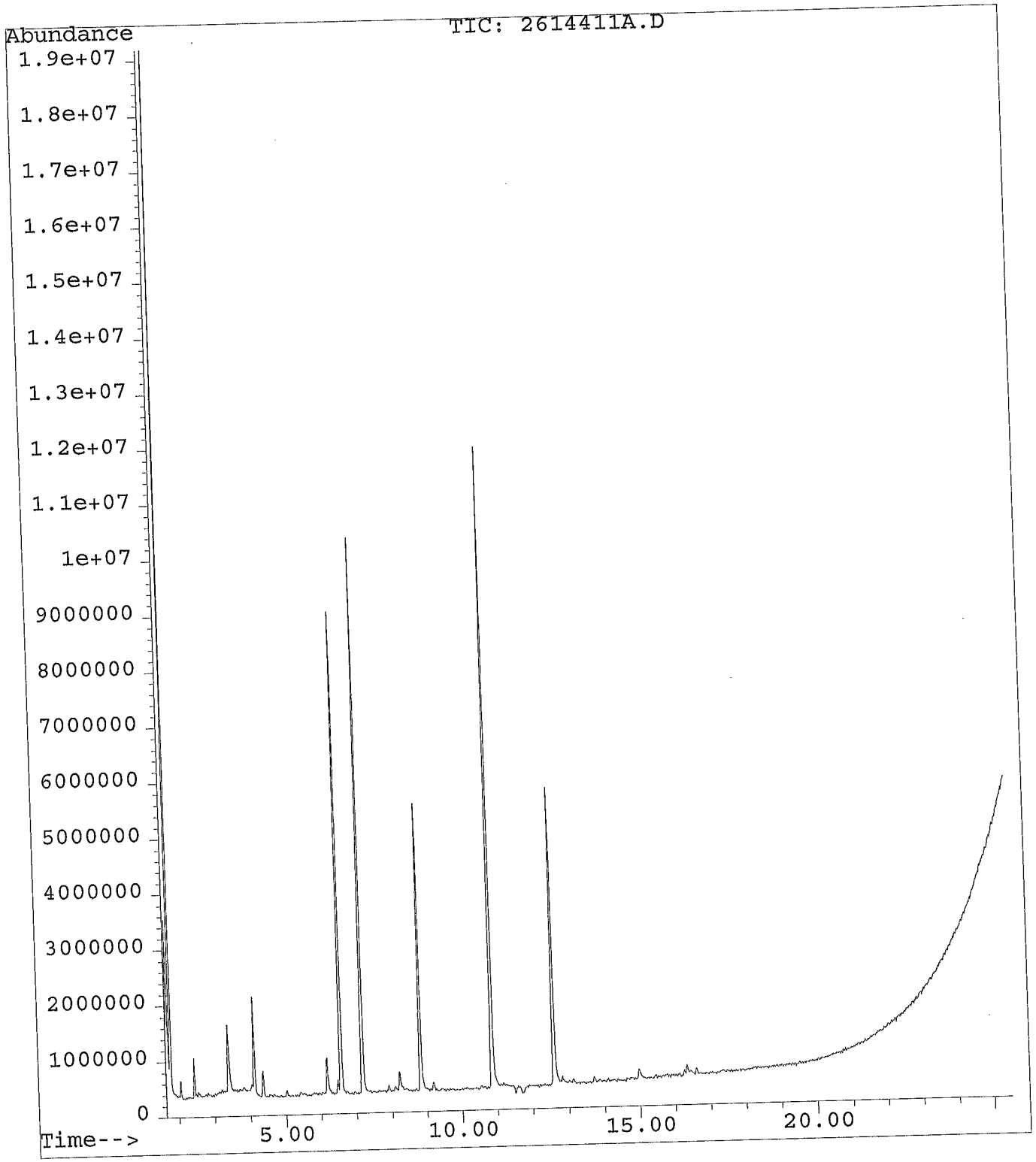
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	0	20.0	7252429	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	7252429	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	92203	20.0	7252429	0.160	1.60	2.10
5	Chloromethane	PFB	SA	50.5	0.699	35634	20.0	7252429	0.342	3.42	7.06
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7252429	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7252429	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7252429	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	7252429	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7252429	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	347719	20.0	7252429	2.437	24.37	46.01
12	Acrolein	PFB	SA	56.1	0.121	34950	20.0	7252429	0.199	1.99	4.57
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7252429	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	769339	20.0	7252429	2.625	26.25	62.47
15	2-propanol (Isopropylalcohol)	PFB	SA	60.1	0.927	226593	20.0	7252429	0.168	1.68	4.15
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	7252429	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	7252429	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7252429	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7252429	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7252429	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7252429	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7252429	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7252429	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7252429	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7252429	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7252429	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7252429	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7252429	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7252429	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	245834	20.0	7252429	0.891	8.91	26.32
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7252429	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	239308	20.0	7252429	0.155	1.55	5.47
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7252429	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7252429	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7252429	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7252429	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7252429	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7252429	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7252429	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7252429	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	7252429	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10560539	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10560539	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10560539	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10560539	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	277837	20.0	10560539	0.134	1.34	4.28
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10560539	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10560539	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10560539	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10560539	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10560539	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10560539	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10560539	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10560539	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10560539	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10560539	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10560539	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10560539	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10560539	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10560539	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10560539	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10560539	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	10560539	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10560539	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10560539	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10560539	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10560539	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10560539	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10556482	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10556482	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10556482	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	5881	20.0	10556482	0.003	0.03	0.14
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10556482	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10556482	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10556482	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10556482	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10556482	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10556482	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10556482	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10556482	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10556482	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10556482	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10556482	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10556482	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10556482	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	140393	20.0	10556482	0.063	0.63	3.10
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10556482	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10556482	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10556482	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	10339	20.0	10556482	0.004	0.04	0.21
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10556482	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10556482	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10556482	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10556482	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10556482	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10556482	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10556482	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10556482	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10556482	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10721672	20.0	10556482	14.765	147.65	399.40
1	Pentafluorobenzene		IS			7252429	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10560539	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10556482	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5262936	5.0		2.214	88.56	89

File : C:\MSCHEM\1\DATA\08056B_3\2614411A.D
Operator : KL
Acquired : 5 Aug 126 1:32 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-111
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 12

Client ID T-112

Analytical Method TO-15

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 12**

File Name:	2614412A.D	**Date Sampled:**	7/20/2026	**Time:**	12:17
Description:	T-112	**Date Analyzed:**	8/5/2026	**Time:**	14:08
Canister:	663	**Can Dilution Factor:**	1.00		
QC_Batch:	080526-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.71	2.62	3.15	7.48	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	46.26	3.78	24.24	87.35	
107-02-8	Acrolein	0.40	1.20	2.06	0.92	2.76	4.74	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	7.34	4.76	5.71	17.47	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.03	1.41	3.53	7.15	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.95	0.59	3.54	5.75	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	8.32	4.48	6.40	26.62	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.45	3.02	3.77	13.00	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	4.93	1.74	4.35	21.43	
1330-20-7	m,p-Xylenes	0.40	1.00	4.86	1.74	4.35	21.15	
111-84-2	Nonane	0.40	1.00	2.47	2.10	5.25	12.98	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.64	1.74	4.35	11.48	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.58	3.94	13.78	12.72	J
622-96-8	4-Ethyltoluene	0.80	6.40	3.67	3.94	31.51	18.09	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	5.89	4.66	13.99	34.31	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.60	3.94	17.72	17.73	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	14.13	4.40	13.19	77.65	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 12

File Name: 2614412A.D
Description T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	205.58	2.71	3.25	556.12	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 12

File Name: 2614412A.D
Description T-112
Canister: 663
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:17
Date Analyzed: 8/5/2026 **Time:** 14:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	12		
File Name:	2614412A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	12:17
Sample ID:	T-112	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	14:08
Anal Date:	5 Aug 126 2:08 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	663		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.571	2.49	31.00	233280
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	-109
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	4.626	3.39	46.00	468894
107-02-8	Acrolein	12	SA	0.206	3.75	56.00	25742
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.734	4.13	58.00	152851
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.203	4.33	57.00	222267
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.195	6.18	72.00	37614
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.832	6.49	78.00	1264480
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.345	8.92	91.00	485298
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.493	10.94	106	791034
1330-20-7	m,p-Xylenes	75	SA	0.486	11.15	91.00	660895
111-84-2	Nonane	76	SA	0.247	10.86	57.00	336936
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.264	11.75	91.00	366653
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.258	12.24	105.00	358442
622-96-8	4-Ethyltoluene	85	SA	0.367	13.00	105.00	568349
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.589	12.85	57.00	1195878
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.360	13.71	105.00	614199
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	1.413	14.10	119.00	2943802
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	20.558	1.83	51.00	11418209
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5150848**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7723312**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8074144**
2037-26-5	Toluene-d8	61	SURR	2.412	8.85	98.00	**4192522**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 12
File Name: 2614412A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 663
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.57	5.71	7.48	5.71	7.48	7.48	7.48	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	-0.01	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	4.63	46.26	87.35	46.26	87.35	87.35	87.35	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.21	2.06	4.74	2.06	4.74	4.74	4.74	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.73	7.34	17.47	7.34	17.47	17.47	17.47	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.20	2.03	7.15	2.03	7.15	7.15	7.15	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.19	1.95	5.75	1.95	5.75	5.75	5.75	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.83	8.32	26.62	8.32	26.62	26.62	26.62	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.34	3.45	13.00	3.45	13.00	13.00	13.00	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.49	4.93	21.43	4.93	21.43	21.43	21.43	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.49	4.86	21.15	4.86	21.15	21.15	21.15	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.25	2.47	12.98	2.47	12.98	12.98	12.98	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.26	2.64	11.48	2.64	11.48	11.48	11.48	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.26	2.58	12.72	2.58	12.72	12.72	12.72	0.200	0.700	0.80	3.94	2.80	13.78	J
4-Ethyltoluene	120.2	0.37	3.67	18.09	3.67	18.09	18.09	18.09	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.59	5.89	34.31	5.89	34.31	34.31	34.31	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.36	3.60	17.73	3.60	17.73	17.73	17.73	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	1.41	14.13	77.65	14.13	77.65	77.65	77.65	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	20.56	205.58	556.12	205.58	556.12	556.12	556.12	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.41	96	96	96	96	96	96	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	5.71	7.48
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	46.26	87.35
		=		Y	2.06	4.74
ND		ND		Y	0.00	0.00
		=		Y	7.34	17.47
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	=	Y	2.03	7.15	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	=	Y	1.95	5.75	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	=	Y	8.32	26.62	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	=	Y	3.45	13.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	4.93	21.43	
	=	Y	4.86	21.15	
	=	Y	2.47	12.98	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	2.64	11.48	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
J	=	Y	2.58	12.72	
J	=	Y	3.67	18.09	
ND	ND	Y	0.00	0.00	
	=	Y	5.89	34.31	
ND	ND	Y	0.00	0.00	
	=	Y	3.60	17.73	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	14.13	77.65	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	205.58	556.12	
	=	Y			
	=	Y			
	=	Y			

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**12**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $(Raw\ Amt)\frac{1000}{(SV)}(CDF)$

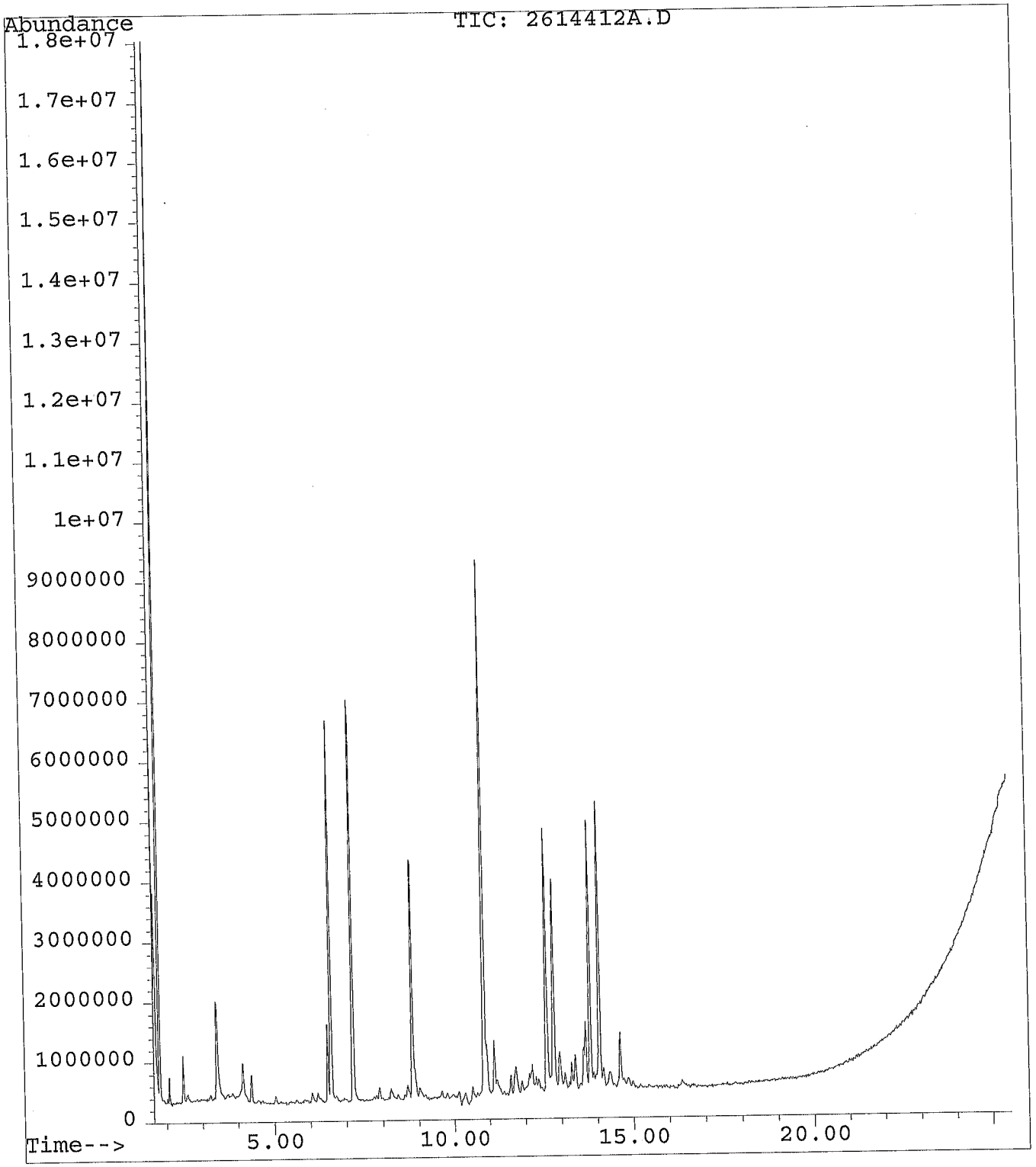
4) Amount ug/m3 = $(amt(ppbv)\frac{MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	0	20.0	5150848	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5150848	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	233280	20.0	5150848	0.571	5.71	7.48
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	5150848	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	-109	20.0	5150848	0.000	0.00	-0.01
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5150848	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5150848	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5150848	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5150848	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	468894	20.0	5150848	4.626	46.26	87.35
12	Acrolein	PFB	SA	56.1	0.121	25742	20.0	5150848	0.206	2.06	4.74
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5150848	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	152851	20.0	5150848	0.734	7.34	17.47
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5150848	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5150848	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5150848	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5150848	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5150848	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5150848	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5150848	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5150848	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5150848	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5150848	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5150848	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5150848	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5150848	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5150848	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5150848	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5150848	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5150848	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	222267	20.0	5150848	0.203	2.03	7.15
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5150848	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5150848	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5150848	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5150848	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	37614	20.0	5150848	0.195	1.95	5.75
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5150848	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5150848	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5150848	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5150848	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7723312	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7723312	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7723312	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7723312	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	1264480	20.0	7723312	0.832	8.32	26.62
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7723312	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7723312	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7723312	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7723312	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7723312	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7723312	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7723312	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7723312	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7723312	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7723312	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7723312	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7723312	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	485298	20.0	7723312	0.345	3.45	13.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7723312	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7723312	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7723312	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7723312	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7723312	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7723312	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7723312	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7723312	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7723312	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8074144	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8074144	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	791034	20.0	8074144	0.493	4.93	21.43
75	m,p-Xylenes	d5CB	SA	106.2	0.842	660895	20.0	8074144	0.486	4.86	21.15
76	Nonane	d5CB	SA	128.3	0.844	336936	20.0	8074144	0.247	2.47	12.98
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8074144	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8074144	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	366653	20.0	8074144	0.264	2.64	11.48
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8074144	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8074144	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8074144	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8074144	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	358442	20.0	8074144	0.258	2.58	12.72
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	568349	20.0	8074144	0.367	3.67	18.09
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8074144	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	1195878	20.0	8074144	0.589	5.89	34.31
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8074144	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	614199	20.0	8074144	0.360	3.60	17.73
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8074144	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8074144	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8074144	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	2943802	20.0	8074144	1.413	14.13	77.65
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8074144	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8074144	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8074144	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8074144	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8074144	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8074144	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8074144	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8074144	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8074144	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11418209	20.0	8074144	20.558	205.58	556.12
1	Pentafluorobenzene		IS			5150848	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7723312	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8074144	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4192522	5.0		2.412	96.46	96

File : C:\MSCHEM\1\DATA\08056B_3\2614412A.D
Operator : KL
Acquired : 5 Aug 126 2:08 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-112
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 13

Client ID T-113

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 13**

File Name:	2614413A.D	**Date Sampled:**	7/20/2026	**Time:**	12:11
Description:	T-113	**Date Analyzed:**	8/5/2026	**Time:**	14:48
Canister:	859	**Can Dilution Factor:**	1.00		
QC_Batch:	080526-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.79	2.62	3.15	6.28	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	47.18	3.78	24.24	89.07	
107-02-8	Acrolein	0.40	1.20	2.16	0.92	2.76	4.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	7.73	4.76	5.71	18.40	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.51	1.41	3.53	5.33	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	1.62	0.59	3.54	4.79	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	6.68	4.48	6.40	21.36	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	2.95	3.02	3.77	11.12	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	4.48	1.74	4.35	19.50	
1330-20-7	m,p-Xylenes	0.40	1.00	5.25	1.74	4.35	22.85	
111-84-2	Nonane	0.40	1.00	2.20	2.10	5.25	11.59	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.49	1.74	4.35	10.82	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.32	3.94	13.78	11.41	J
622-96-8	4-Ethyltoluene	0.80	6.40	3.28	3.94	31.51	16.15	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	5.85	4.66	13.99	34.09	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	3.13	3.94	17.72	15.39	J
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	15.58	4.40	13.19	85.60	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 13

File Name: 2614413A.D
Description T-113
Canister: 859
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:11
Date Analyzed: 8/5/2026 **Time:** 14:48
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	193.06	2.71	3.25	522.25	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 13

File Name: 2614413A.D
Description T-113
Canister: 859
QC_Batch: 080526-MA1

Date Sampled: 7/20/2026 **Time:** 12:11
Date Analyzed: 8/5/2026 **Time:** 14:48
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	13		
File Name:	2614413A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	12:11
Sample ID:	T-113	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	14:48
Anal Date:	5 Aug 126 2:48 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	859		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	13348
67-56-1	Methanol	4	SA	0.479	2.49	31.00	250385
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	4.718	3.39	46.00	611955
107-02-8	Acrolein	12	SA	0.216	3.75	56.00	34499
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.773	4.13	58.00	206017
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	0	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.151	4.33	57.00	212205
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.162	6.18	72.00	40114
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.668	6.49	78.00	1292357
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.295	8.92	91.00	528748
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.448	10.94	106	936615
1330-20-7	m,p-Xylenes	75	SA	0.525	11.15	91.00	928788
111-84-2	Nonane	76	SA	0.220	10.86	57.00	391168
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.249	11.75	91.00	449464
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.232	12.24	105.00	418400
622-96-8	4-Ethyltoluene	85	SA	0.328	13.00	105.00	660024
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.585	12.85	57.00	1545587
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.313	13.71	105.00	693663
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	1.558	14.10	119.00	4222072
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.36	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	19.306	1.83	51.00	13949658
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6592410**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9835534**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10504071**
2037-26-5	Toluene-d8	61	SURR	2.384	8.85	98.00	**5277833**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 13
File Name: 2614413A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 859
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

#####

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.48	4.79	6.28	4.79	6.28	6.28	6.28	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	4.72	47.18	89.07	47.18	89.07	89.07	89.07	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.22	2.16	4.96	2.16	4.96	4.96	4.96	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.77	7.73	18.40	7.73	18.40	18.40	18.40	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.15	1.51	5.33	1.51	5.33	5.33	5.33	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.16	1.62	4.79	1.62	4.79	4.79	4.79	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.67	6.68	21.36	6.68	21.36	21.36	21.36	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.29	2.95	11.12	2.95	11.12	11.12	11.12	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.45	4.48	19.50	4.48	19.50	19.50	19.50	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.53	5.25	22.85	5.25	22.85	22.85	22.85	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.22	2.20	11.59	2.20	11.59	11.59	11.59	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.25	2.49	10.82	2.49	10.82	10.82	10.82	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.23	2.32	11.41	2.32	11.41	11.41	11.41	0.200	0.700	0.80	3.94	2.80	13.78	J
4-Ethyltoluene	120.2	0.33	3.28	16.15	3.28	16.15	16.15	16.15	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.58	5.85	34.09	5.85	34.09	34.09	34.09	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.31	3.13	15.39	3.13	15.39	15.39	15.39	0.200	0.900	0.80	3.94	3.60	17.72	J
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	1.56	15.58	85.60	15.58	85.60	85.60	85.60	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	19.31	193.06	522.25	193.06	522.25	522.25	522.25	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.38	95	95	95	95	95	95	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	4.79	6.28
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	47.18	89.07
		=		Y	2.16	4.96
ND		ND		Y	0.00	0.00
		=		Y	7.73	18.40
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	=	Y	1.51	5.33		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	=	Y	1.62	4.79		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	=	Y	6.68	21.36		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**13**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

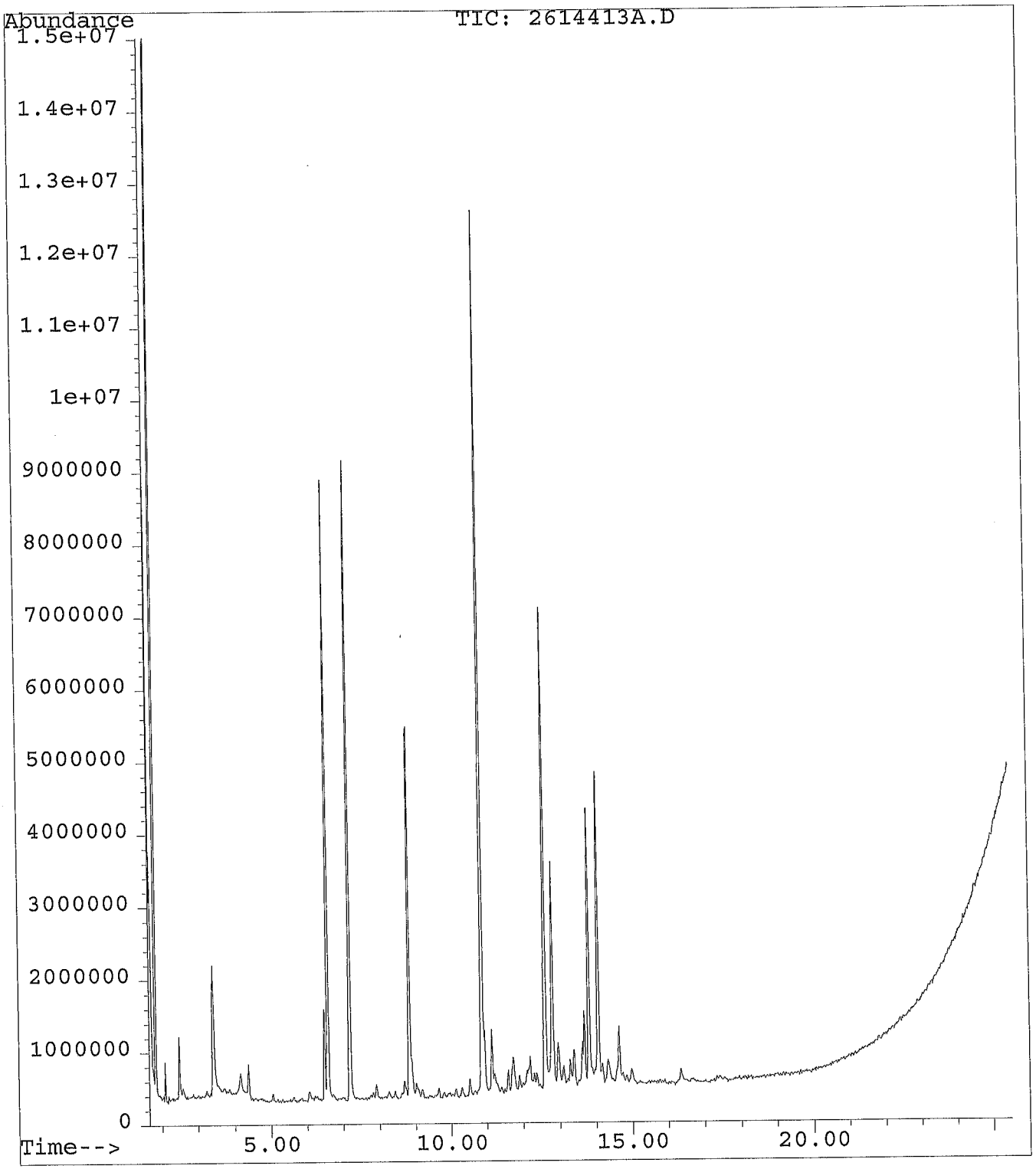
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	0	20.0	6592410	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	13348	20.0	6592410	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	250385	20.0	6592410	0.479	4.79	6.28
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	6592410	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6592410	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6592410	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6592410	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6592410	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6592410	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	611955	20.0	6592410	4.718	47.18	89.07
12	Acrolein	PFB	SA	56.1	0.121	34499	20.0	6592410	0.216	2.16	4.96
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6592410	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	206017	20.0	6592410	0.773	7.73	18.40
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6592410	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6592410	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	6592410	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6592410	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6592410	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6592410	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6592410	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6592410	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6592410	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6592410	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6592410	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6592410	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6592410	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6592410	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6592410	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6592410	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6592410	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	212205	20.0	6592410	0.151	1.51	5.33
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6592410	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6592410	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6592410	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6592410	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	40114	20.0	6592410	0.162	1.62	4.79
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6592410	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6592410	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6592410	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6592410	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9835534	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9835534	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9835534	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9835534	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	1292357	20.0	9835534	0.668	6.68	21.36
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9835534	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9835534	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9835534	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9835534	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9835534	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9835534	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9835534	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	9835534	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9835534	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9835534	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9835534	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9835534	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	528748	20.0	9835534	0.295	2.95	11.12
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9835534	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9835534	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9835534	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	9835534	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9835534	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9835534	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9835534	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9835534	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9835534	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10504071	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10504071	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	936615	20.0	10504071	0.448	4.48	19.50
75	m,p-Xylenes	d5CB	SA	106.2	0.842	928788	20.0	10504071	0.525	5.25	22.85
76	Nonane	d5CB	SA	128.3	0.844	391168	20.0	10504071	0.220	2.20	11.59
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10504071	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10504071	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	449464	20.0	10504071	0.249	2.49	10.82
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10504071	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10504071	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10504071	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10504071	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	418400	20.0	10504071	0.232	2.32	11.41
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	660024	20.0	10504071	0.328	3.28	16.15
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10504071	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	1545587	20.0	10504071	0.585	5.85	34.09
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10504071	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	693663	20.0	10504071	0.313	3.13	15.39
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10504071	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10504071	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10504071	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	4222072	20.0	10504071	1.558	15.58	85.60
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10504071	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10504071	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10504071	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10504071	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10504071	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10504071	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10504071	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10504071	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10504071	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13949658	20.0	10504071	19.306	193.06	522.25
1	Pentafluorobenzene		IS			6592410	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9835534	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10504071	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5277833	5.0		2.384	95.36	95

File : C:\MSCHEM\1\DATA\08056B_3\2614413A.D
Operator : KL
Acquired : 5 Aug 126 2:48 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-113
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **14**

Client ID T-114

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID:** 14

File Name:	2614414A.D	**Date Sampled:**	7/20/2026	**Time:**	12:51
Description:	T-114	**Date Analyzed:**	8/4/2026	**Time:**	12:44
Canister:	529	**Can Dilution Factor:**	1.00		
QC_Batch:	080426-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.84	0.69	1.72	1.46	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.86	1.41	3.53	3.02	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 14

File Name: 2614414A.D
Description T-114
Canister: 529
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:51
Date Analyzed: 8/4/2026 **Time:** 12:44
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	210.29	2.71	3.25	568.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 14

File Name: 2614414A.D
Description T-114
Canister: 529
QC_Batch: 080426-MA1

Date Sampled: 7/20/2026 **Time:** 12:51
Date Analyzed: 8/4/2026 **Time:** 12:44
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	14		
File Name:	2614414A.D	**Method:**	TO-15	**Date Sampled:**	7/20/2026	**Time:**	12:51
Sample ID:	T-114	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	12:44
Anal Date:	4 Aug 126 12:44 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	529		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.084	1.69	42.00	40800
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.139	2.49	31.00	61970
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	52734
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.547	1.91	85.00	27710
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.010	2.17	54.00	3665
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	51407
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	670263
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.195	4.13	58.00	44342
67-63-0	2-propanol (isopropylalcohc	15	SA	0.022	3.99	45.00	22554
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.086	4.33	57.00	102610
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.000	6.49	78.00	0
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.029	8.92	91.00	42437
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.015	10.94	106	25401
1330-20-7	m,p-Xylenes	75	SA	0.024	11.15	91.00	34663
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.017	11.82	91.00	24037
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.021	13.00	105.00	34649
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.030	13.71	105.00	53473
538-93-2	i-Butylbenzene	90	SA	0.003	13.89	91.00	7117
135-98-8	sec-butylbenzene	91	SA	0.020	13.87	105.00	51818
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.010	14.10	119.00	22402
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.077	15.01	146.00	115364
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.029	1.83	51.00	12232989
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5630511**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8098873**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8456598**
2037-26-5	Toluene-d8	61	SURR	2.369	8.85	98.00	**4318091**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG:	**226144**
Laboratory Number:	**14**
File Name:	2614414A.D
Run Method:	B1563_C.M
Can Factor:	1.00
Air Volume:	100.0 ml
Can/Tube Number:	529
Dilution Factor:	0.1000
Base Volume:	1000 ml
Unit Factor (ppbv):	1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.08	0.84	1.46	0.84	1.46	1.46	1.46	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.14	1.39	1.82	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	-4.55	-45.47	-318.26	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.01	0.10	0.22	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.19	1.95	4.64	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.02	0.22	0.53	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.09	0.86	3.02	0.86	3.02	3.02	3.02	0.100	0.250	0.40	1.41	1.00	3.53	J
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.00	0.00	0.00	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.03	0.29	1.08	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.02	0.15	0.66	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.02	0.24	1.06	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.02	0.17	0.72	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.02	0.21	1.05	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.03	0.30	1.47	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.03	0.14	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.02	0.20	1.09	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.01	0.10	0.56	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.08	0.77	4.63	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.03	210.29	568.86	210.29	568.86	568.86	568.86	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.37	95	95	95	95	95	95	95	2.5	2.5
0										
0										
0										

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=	Y	Y	0.84	1.46
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00

ND	ND	Y	0.00	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00	0.00
ND	J	Y	0.86	3.02	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**14**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

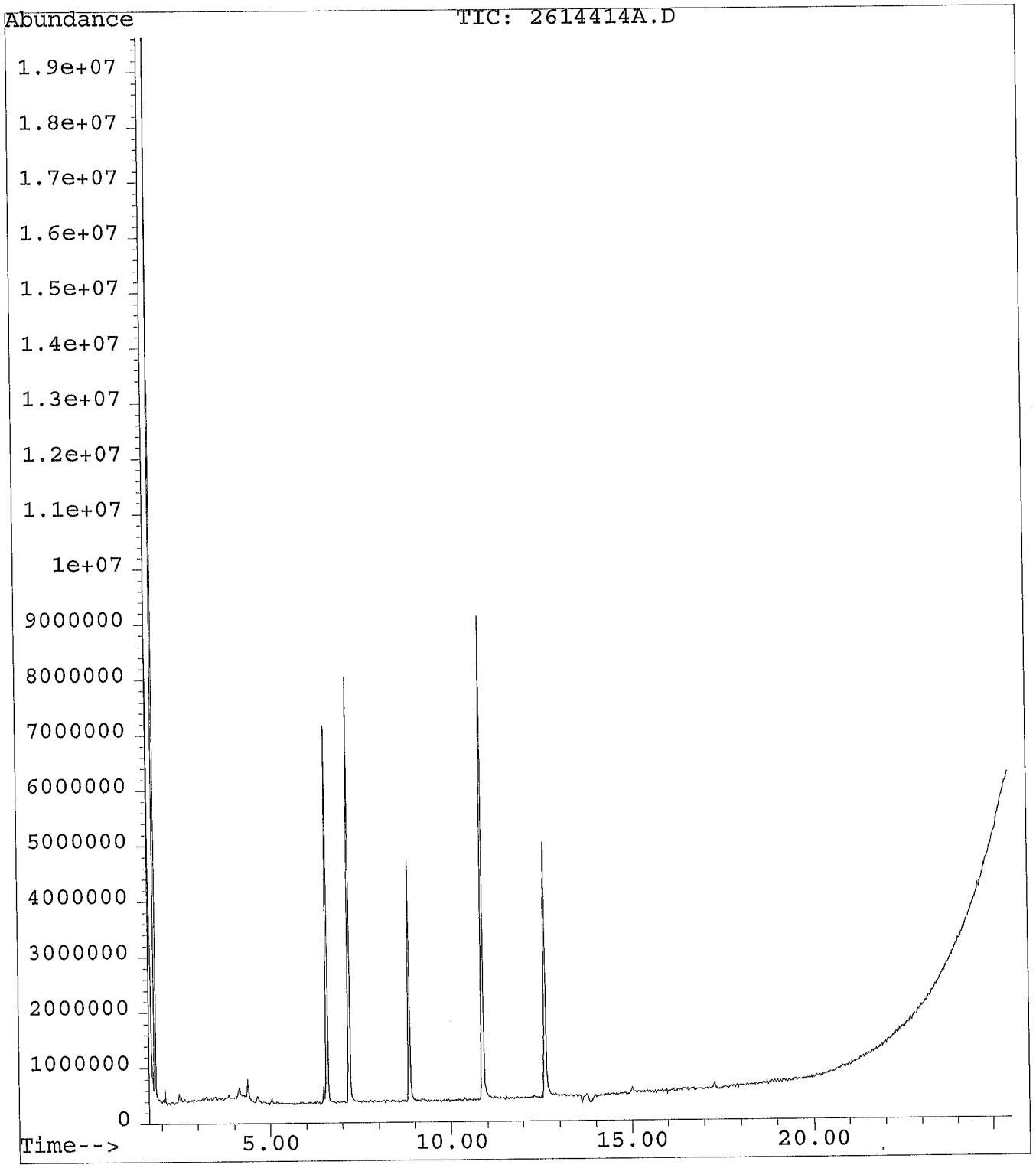
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	40800	20.0	5630511	0.084	0.84	1.46
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5630511	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	61970	20.0	5630511	0.139	1.39	1.82
5	Chloromethane	PFB	SA	50.5	0.699	52734	20.0	5630511	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	27710	20.0	5630511	-4.547	-45.47	-318.26
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5630511	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	3665	20.0	5630511	0.010	0.10	0.22
9	Bromomethane	PFB	SA	94.9	0.331	51407	20.0	5630511	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	670263	20.0	5630511	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	5630511	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	5630511	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5630511	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	44342	20.0	5630511	0.195	1.95	4.64
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	22554	20.0	5630511	0.022	0.22	0.53
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5630511	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5630511	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5630511	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5630511	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5630511	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5630511	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5630511	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5630511	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5630511	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5630511	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5630511	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5630511	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5630511	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5630511	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5630511	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5630511	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	102610	20.0	5630511	0.086	0.86	3.02
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5630511	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5630511	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5630511	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5630511	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5630511	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5630511	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5630511	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5630511	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5630511	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8098873	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8098873	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8098873	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8098873	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	0	20.0	8098873	0.000	0.00	0.00
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8098873	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8098873	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8098873	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8098873	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8098873	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8098873	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8098873	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8098873	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8098873	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8098873	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8098873	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8098873	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	42437	20.0	8098873	0.029	0.29	1.08
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8098873	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8098873	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8098873	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8098873	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8098873	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8098873	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8098873	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8098873	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8098873	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8456598	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8456598	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	25401	20.0	8456598	0.015	0.15	0.66
75	m,p-Xylenes	d5CB	SA	106.2	0.842	34663	20.0	8456598	0.024	0.24	1.06
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8456598	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8456598	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8456598	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	24037	20.0	8456598	0.017	0.17	0.72
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8456598	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8456598	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8456598	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8456598	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8456598	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	34649	20.0	8456598	0.021	0.21	1.05
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8456598	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8456598	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8456598	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	53473	20.0	8456598	0.030	0.30	1.47
90	i-Butylbenzene	d5CB	SA	134.2	1.625	7117	20.0	8456598	0.003	0.03	0.14

91	sec-butylbenzene	d5CB	SA	134.2	1.547	51818	20.0	8456598	0.020	0.20	1.09
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8456598	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	22402	20.0	8456598	0.010	0.10	0.56
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8456598	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8456598	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8456598	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	115364	20.0	8456598	0.077	0.77	4.63
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8456598	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8456598	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8456598	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8456598	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8456598	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12232989	20.0	8456598	21.029	210.29	568.86
1	Pentafluorobenzene		IS			5630511	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8098873	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8456598	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4318091	5.0		2.369	94.74	95

File : C:\MSCHEM\1\DATA\08046B_3\2614414A.D
Operator : KL
Acquired : 4 Aug 126 12:44 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-114
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **15**

Client ID T-201

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 15**

File Name:	2614415A.D	**Date Sampled:**	7/21/2026	**Time:**	09:16
Description:	T-201	**Date Analyzed:**	8/5/2026	**Time:**	16:32
Canister:	653	**Can Dilution Factor:**	1.00		
QC_Batch:	080526-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.62	0.69	1.72	2.80	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.18	2.62	3.15	13.34	
74-87-3	Chloromethane	0.60	1.00	1.15	1.24	2.07	2.38	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	55.78	3.78	24.24	105.32	
107-02-8	Acrolein	0.40	1.20	3.98	0.92	2.76	9.15	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.54	4.76	5.71	41.74	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.59	1.18	3.54	25.38	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.59	4.48	6.40	8.27	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	10.80	1.64	13.13	44.30	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 15

File Name: 2614415A.D
Description T-201
Canister: 653
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:16
Date Analyzed: 8/5/2026 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	215.97	2.71	3.25	584.22	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 15

File Name: 2614415A.D
Description T-201
Canister: 653
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:16
Date Analyzed: 8/5/2026 **Time:** 16:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	15		
File Name:	2614415A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	9:16
Sample ID:	T-201	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	16:32
Anal Date:	5 Aug 126 4:32 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	653		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.162	1.69	42.00	64769
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.018	2.49	31.00	374890
74-87-3	Chloromethane	5	SA	0.115	2.03	50.00	74544
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	5.578	3.39	46.00	509832
107-02-8	Acrolein	12	SA	0.398	3.75	56.00	44837
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.754	4.13	58.00	329208
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl Iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.859	6.18	72.00	151807
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.259	6.49	78.00	347275
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	1.080	10.50	58.00	819976
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.80	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.36	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.597	1.85	51.00	12594845
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4644837**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6825957**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8477846**
2037-26-5	Toluene-d8	61	SURR	2.338	8.85	98.00	**3592915**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 15
File Name: 2614415A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 653
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.16	1.62	2.80	1.62	2.80	2.80	2.80	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.02	10.18	13.34	10.18	13.34	13.34	13.34	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.11	1.15	2.38	1.15	2.38	2.38	2.38	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	5.58	55.78	105.32	55.78	105.32	105.32	105.32	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.40	3.98	9.15	3.98	9.15	9.15	9.15	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.75	17.54	41.74	17.54	41.74	41.74	41.74	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.86	8.59	25.38	8.59	25.38	25.38	25.38	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.26	2.59	8.27	2.59	8.27	8.27	8.27	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	1.08	10.80	44.30	10.80	44.30	44.30	44.30	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.60	215.97	584.22	215.97	584.22	584.22	584.22	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.34	94	94	94	94	94	94	94	94	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.62	2.80
ND		ND		Y	0.00	0.00
		=		Y	10.18	13.34
		=		Y	1.15	2.38
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	55.78	105.32
		=		Y	3.98	9.15
ND		ND		Y	0.00	0.00
		=		Y	17.54	41.74
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	=	Y	8.59	25.38	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**15**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

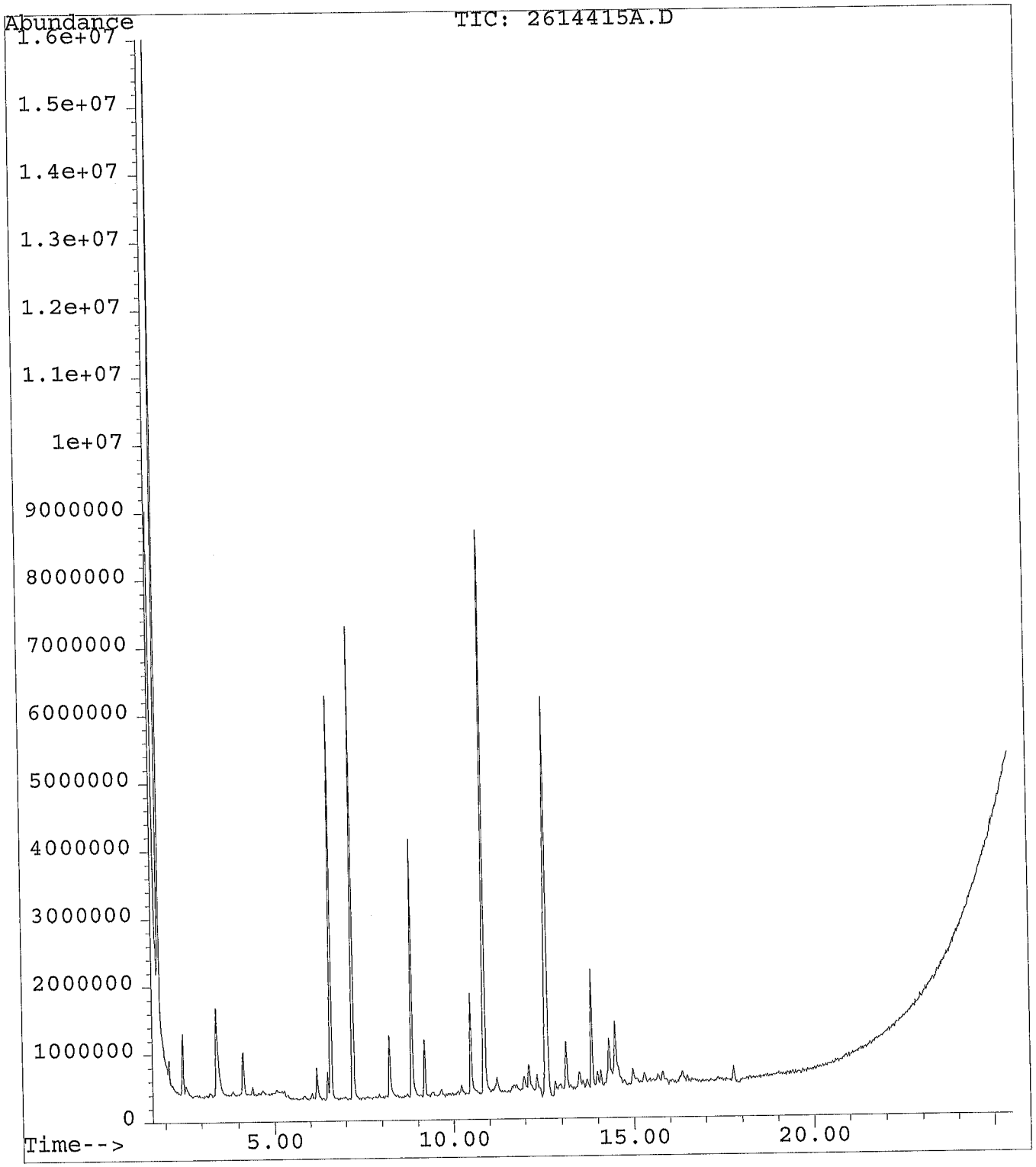
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	64769	20.0	4644837	0.162	1.62	2.80
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4644837	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	374890	20.0	4644837	1.018	10.18	13.34
5	Chloromethane	PFB	SA	50.5	0.699	74544	20.0	4644837	0.115	1.15	2.38
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4644837	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4644837	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4644837	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4644837	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4644837	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	509832	20.0	4644837	5.578	55.78	105.32
12	Acrolein	PFB	SA	56.1	0.121	44837	20.0	4644837	0.398	3.98	9.15
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4644837	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	329208	20.0	4644837	1.754	17.54	41.74
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4644837	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4644837	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4644837	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4644837	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4644837	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4644837	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4644837	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4644837	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4644837	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4644837	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4644837	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4644837	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4644837	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4644837	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4644837	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	151807	20.0	4644837	0.859	8.59	25.38
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4644837	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4644837	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4644837	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4644837	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4644837	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4644837	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4644837	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4644837	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4644837	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4644837	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4644837	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	6825957	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	6825957	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	6825957	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	6825957	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	347275	20.0	6825957	0.259	2.59	8.27
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	6825957	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	6825957	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	6825957	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	6825957	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	6825957	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	6825957	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	6825957	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	6825957	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	6825957	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	6825957	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	6825957	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	6825957	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	6825957	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	6825957	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	6825957	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	6825957	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	819976	20.0	6825957	1.080	10.80	44.30
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	6825957	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	6825957	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	6825957	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	6825957	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	6825957	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8477846	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8477846	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8477846	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8477846	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8477846	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8477846	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8477846	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8477846	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8477846	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8477846	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8477846	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8477846	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8477846	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8477846	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8477846	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8477846	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8477846	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8477846	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8477846	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8477846	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8477846	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8477846	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8477846	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8477846	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8477846	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8477846	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8477846	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8477846	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8477846	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8477846	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8477846	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12594845	20.0	8477846	21.597	215.97	584.22
1	Pentafluorobenzene		IS			4644837	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6825957	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8477846	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3592915	5.0		2.338	93.53	94

File : C:\MSCHEM\1\DATA\08056B_3\2614415A.D
Operator : SW
Acquired : 5 Aug 126 4:32 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-201
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 16

Client ID T-202

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 16

File Name: 2614416A.D
Description: T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.21	0.69	1.72	3.81	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	15.88	2.62	3.15	20.81	
74-87-3	Chloromethane	0.60	1.00	1.10	1.24	2.07	2.28	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	43.54	3.78	24.24	82.20	
107-02-8	Acrolein	0.40	1.20	4.54	0.92	2.76	10.42	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	22.17	4.76	5.71	52.76	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.69	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.98	1.18	3.54	20.60	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.79	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.05	3.02	3.77	3.95	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	4.14	1.64	13.13	17.00	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 16

File Name: 2614416A.D
Description T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	200.92	2.71	3.25	543.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 16

File Name: 2614416A.D
Description T-202
Canister: 803
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:11
Date Analyzed: 8/5/2026 **Time:** 17:09
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	16		
File Name:	2614416A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	9:11
Sample ID:	T-202	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	17:09
Anal Date:	5 Aug 126 5:09 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	803		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.221	1.69	42.00	94642
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	29315
67-56-1	Methanol	4	SA	1.588	2.49	31.00	628174
74-87-3	Chloromethane	5	SA	0.110	2.03	50.00	76978
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	4.354	3.39	46.00	427345
107-02-8	Acrolein	12	SA	0.454	3.75	56.00	54874
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	2.217	4.13	58.00	446910
67-63-0	2-propanol (isopropylalcohc	15	SA	0.150	3.99	45.00	138730
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.698	6.18	72.00	132340
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.181	6.49	78.00	257048
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.105	8.92	91.00	137788
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.414	10.50	58.00	332687
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.80	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	20.092	1.86	51.00	12328945
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4988218**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7217983**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8920409**
2037-26-5	Toluene-d8	61	SURR	2.584	8.85	98.00	**4198290**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 16
File Name: 2614416A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 803
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	PPBV ResultV PPBV	UG/M3 Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.22	2.21	3.81	2.21	3.81	3.81	3.81	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.59	15.88	20.81	15.88	20.81	20.81	20.81	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.11	1.10	2.28	1.10	2.28	2.28	2.28	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	4.35	43.54	82.20	43.54	82.20	82.20	82.20	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.45	4.54	10.42	4.54	10.42	10.42	10.42	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	2.22	22.17	52.76	22.17	52.76	52.76	52.76	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.15	1.50	3.69	1.50	3.69	3.69	3.69	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.70	6.98	20.60	6.98	20.60	20.60	20.60	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.18	1.81	5.79	1.81	5.79	5.79	5.79	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.10	1.05	3.95	1.05	3.95	3.95	3.95	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.41	4.14	17.00	4.14	17.00	17.00	17.00	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	20.09	200.92	543.51	200.92	543.51	543.51	543.51	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.58	103	103	103	103	103	103	103	2.5	2.5	
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.21	3.81
ND		ND		Y	0.00	0.00
		=		Y	15.88	20.81
		=		Y	1.10	2.28
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	43.54	82.20
		=		Y	4.54	10.42
ND		ND		Y	0.00	0.00
		=		Y	22.17	52.76
J		=		Y	1.50	3.69
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	6.98	20.60
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.81	5.79
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.05	3.95
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.14	17.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**16**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

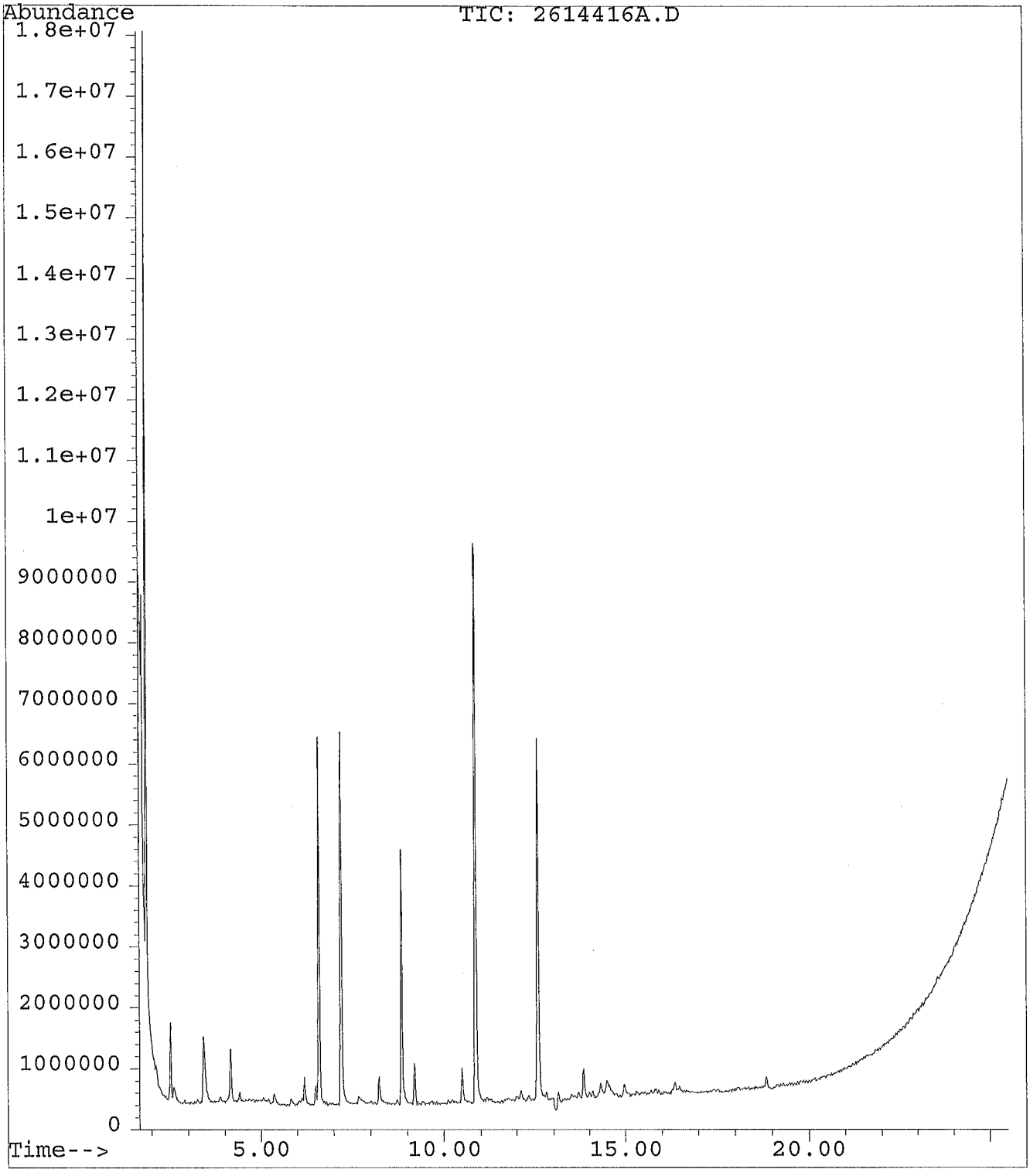
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	94642	20.0	4988218	0.221	2.21	3.81
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	29315	20.0	4988218	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	628174	20.0	4988218	1.588	15.88	20.81
5	Chloromethane	PFB	SA	50.5	0.699	76978	20.0	4988218	0.110	1.10	2.28
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4988218	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4988218	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4988218	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4988218	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4988218	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	427345	20.0	4988218	4.354	43.54	82.20
12	Acrolein	PFB	SA	56.1	0.121	54874	20.0	4988218	0.454	4.54	10.42
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4988218	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	446910	20.0	4988218	2.217	22.17	52.76
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	138730	20.0	4988218	0.150	1.50	3.69
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4988218	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4988218	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4988218	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4988218	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4988218	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4988218	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4988218	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4988218	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4988218	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4988218	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4988218	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4988218	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4988218	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4988218	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	132340	20.0	4988218	0.698	6.98	20.60
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4988218	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4988218	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4988218	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4988218	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4988218	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4988218	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4988218	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4988218	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4988218	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4988218	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4988218	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7217983	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7217983	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7217983	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7217983	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	257048	20.0	7217983	0.181	1.81	5.79
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7217983	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7217983	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7217983	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7217983	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7217983	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7217983	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7217983	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7217983	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7217983	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7217983	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7217983	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7217983	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	137788	20.0	7217983	0.105	1.05	3.95
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7217983	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7217983	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7217983	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	332687	20.0	7217983	0.414	4.14	17.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7217983	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7217983	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7217983	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7217983	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7217983	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8920409	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8920409	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8920409	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8920409	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8920409	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8920409	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8920409	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8920409	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8920409	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8920409	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8920409	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8920409	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8920409	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8920409	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8920409	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8920409	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8920409	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8920409	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8920409	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8920409	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8920409	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8920409	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8920409	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8920409	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8920409	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8920409	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8920409	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8920409	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8920409	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8920409	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8920409	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12328945	20.0	8920409	20.092	200.92	543.51
1	Pentafluorobenzene		IS			4988218	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7217983	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8920409	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4198290	5.0		2.584	103.36	103

File : C:\MSCHEM\1\DATA\08056B_3\2614416A.D
Operator : SW
Acquired : 5 Aug 126 5:09 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-202
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 17

Client ID T-203

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 17

File Name: 2614417A.D
Description: T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.01	0.69	1.72	3.46	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	13.57	2.62	3.15	17.78	
74-87-3	Chloromethane	0.60	1.00	1.72	1.24	2.07	3.55	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	27.84	3.78	24.24	52.55	
107-02-8	Acrolein	0.40	1.20	2.39	0.92	2.76	5.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	25.11	4.76	5.71	59.74	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.49	1.18	3.54	7.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.59	4.48	6.40	5.10	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.04	3.02	3.77	3.94	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.04	1.64	13.13	4.28	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 17

File Name: 2614417A.D
Description T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	181.50	2.71	3.25	490.98	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 17

File Name: 2614417A.D
Description T-203
Canister: 668
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:37
Date Analyzed: 8/5/2026 **Time:** 17:46
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	17		
File Name:	2614417A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	9:37
Sample ID:	T-203	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	17:46
Anal Date:	5 Aug 126 5:46 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	668		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.201	1.69	42.00	120479
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	18018
67-56-1	Methanol	4	SA	1.357	2.49	31.00	752391
74-87-3	Chloromethane	5	SA	0.172	2.03	50.00	167903
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.784	3.39	46.00	382940
107-02-8	Acrolein	12	SA	0.239	3.75	56.00	40549
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	2.511	4.13	58.00	709306
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.249	6.18	72.00	66224
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.159	6.49	78.00	326161
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.104	8.92	91.00	197731
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.104	10.50	58.00	120618
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.79	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.075	14.10	119.00	211473
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.150	1.83	51.00	13698437
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6991862**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10395754**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10971660**
2037-26-5	Toluene-d8	61	SURR	2.489	8.85	98.00	**5824980**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 17
File Name: 2614417A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 668
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.20	2.01	3.46	2.01	3.46	3.46	3.46	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.36	13.57	17.78	13.57	17.78	17.78	17.78	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.17	1.72	3.55	1.72	3.55	3.55	3.55	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.78	27.84	52.55	27.84	52.55	52.55	52.55	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.24	2.39	5.49	2.39	5.49	5.49	5.49	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	2.51	25.11	59.74	25.11	59.74	59.74	59.74	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.25	2.49	7.35	2.49	7.35	7.35	7.35	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.16	1.59	5.10	1.59	5.10	5.10	5.10	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.10	1.04	3.94	1.04	3.94	3.94	3.94	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.10	1.04	4.28	1.04	4.28	4.28	4.28	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.07	0.75	4.10	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.15	181.50	490.98	181.50	490.98	490.98	490.98	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.49	100	100	100	100	100	100	100	100	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.01	3.46
ND		ND		Y	0.00	0.00
		=		Y	13.57	17.78
		=		Y	1.72	3.55
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	27.84	52.55
		=		Y	2.39	5.49
ND		ND		Y	0.00	0.00
		=		Y	25.11	59.74
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**17**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

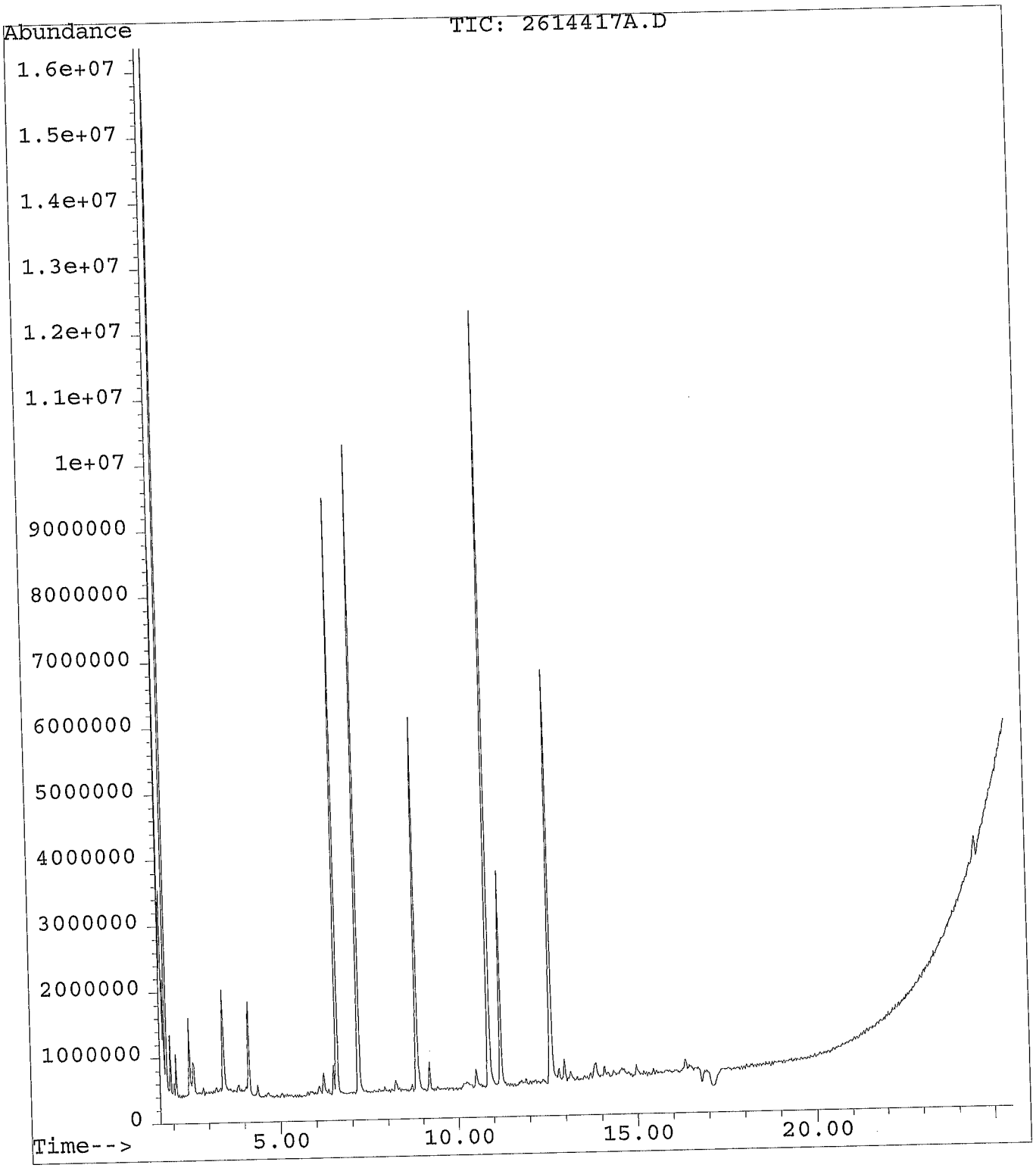
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	120479	20.0	6991862	0.201	2.01	3.46
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	18018	20.0	6991862	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	752391	20.0	6991862	1.357	13.57	17.78
5	Chloromethane	PFB	SA	50.5	0.699	167903	20.0	6991862	0.172	1.72	3.55
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6991862	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6991862	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6991862	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6991862	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6991862	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	382940	20.0	6991862	2.784	27.84	52.55
12	Acrolein	PFB	SA	56.1	0.121	40549	20.0	6991862	0.239	2.39	5.49
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6991862	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	709306	20.0	6991862	2.511	25.11	59.74
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6991862	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6991862	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6991862	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6991862	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6991862	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6991862	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6991862	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6991862	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6991862	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6991862	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6991862	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6991862	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6991862	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6991862	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6991862	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	66224	20.0	6991862	0.249	2.49	7.35
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6991862	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6991862	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6991862	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6991862	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6991862	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6991862	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6991862	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6991862	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6991862	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6991862	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6991862	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10395754	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10395754	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10395754	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10395754	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	326161	20.0	10395754	0.159	1.59	5.10
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10395754	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10395754	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10395754	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10395754	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10395754	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10395754	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10395754	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10395754	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10395754	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10395754	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10395754	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10395754	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	197731	20.0	10395754	0.104	1.04	3.94
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10395754	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10395754	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10395754	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	120618	20.0	10395754	0.104	1.04	4.28
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10395754	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10395754	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10395754	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10395754	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10395754	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10971660	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10971660	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10971660	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10971660	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10971660	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10971660	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10971660	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10971660	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10971660	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10971660	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10971660	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10971660	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10971660	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10971660	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10971660	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10971660	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10971660	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10971660	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10971660	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10971660	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10971660	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	211473	20.0	10971660	0.075	0.75	4.10
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10971660	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10971660	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10971660	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10971660	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10971660	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10971660	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10971660	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10971660	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10971660	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13698437	20.0	10971660	18.150	181.50	490.98
1	Pentafluorobenzene		IS			6991862	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10395754	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10971660	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5824980	5.0		2.489	99.57	100

File : C:\MSCHEM\1\DATA\08056B_3\2614417A.D
Operator : SW
Acquired : 5 Aug 126 5:46 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-203
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 18

Client ID T-204

Analytical Method TO-15

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Analytical Report
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Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 18

File Name: 2614418B.D
Description: T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	295.51	0.69	1.72	509.28	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	316.25	2.62	3.15	414.47	
74-87-3	Chloromethane	0.60	1.00	180.78	1.24	2.07	373.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	148.52	1.55	3.89	577.24	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.22	3.78	24.24	45.74	
107-02-8	Acrolein	0.40	1.20	53.62	0.92	2.76	123.19	
75-69-4	Trichlorofluoromethane	0.40	1.00	0.96	2.25	5.63	5.42	J
67-64-1	Acetone	2.00	2.40	206.19	4.76	5.71	490.63	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	7.38	1.97	12.31	18.16	
75-65-0	t-Butyl alcohol	0.40	4.00	45.66	1.21	12.14	138.56	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	2.85	0.70	3.48	9.91	
75-15-0	Carbon disulfide	0.40	1.00	64.41	1.25	3.12	200.73	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	1.08	0.81	4.05	4.37	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	181.23	1.18	3.54	535.14	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	40.90	1.41	3.53	144.38	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	50.69	1.44	3.61	182.90	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	9.39	0.79	3.97	37.28	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	64.93	0.81	4.05	263.26	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	71.92	0.69	3.45	248.01	
71-43-2	Benzene	1.40	2.00	72.00	4.48	6.40	230.29	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	31.90	0.94	4.68	149.18	
142-82-5	n-Heptane	0.40	1.00	183.16	1.64	4.10	751.65	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	10.10	0.54	5.38	54.35	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	122.93	1.64	13.13	504.48	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	12.31	0.91	4.55	55.94	
108-88-3	Toluene	0.80	1.00	249.68	3.02	3.77	941.78	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	102.44	1.87	4.68	479.11	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	29.08	0.68	6.79	197.45	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	180.89	1.74	4.35	786.77	
1330-20-7	m,p-Xylenes	0.40	1.00	234.38	1.74	4.35	1,019.43	
111-84-2	Nonane	0.40	1.00	195.65	2.10	5.25	1,028.06	
100-42-5	Styrene	0.60	1.00	25.80	2.56	4.27	110.09	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	174.51	1.74	4.35	759.03	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	52.50	3.94	13.78	258.44	
98-82-8	Isopropylbenzene	0.80	2.80	67.06	3.94	13.78	330.13	
622-96-8	4-Ethyltoluene	0.80	6.40	154.82	3.94	31.51	762.13	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	54.81	3.94	17.72	269.80	
124-18-5	Decane	0.80	2.40	129.04	4.66	13.99	752.04	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	111.48	3.94	17.72	548.81	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	206.39	4.40	13.19	1,134.36	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	39.19	2.10	10.50	205.74	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	108	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418B.D
Description T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	201.67	2.71	3.25	545.54	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418B.D
Description T-204
Canister: 688
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/5/2026 **Time:** 18:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	240.90	28.67	61.43	986.61
CYCLOPROPANECARBOXYLIC ACID	7.00	15.00	267.30	28.67	61.43	1,094.73
BUTANE, 2-METHYL-	7.00	15.00	237.50	28.67	61.43	972.68
2-BUTENE, 2-METHYL-	7.00	15.00	39.60	28.67	61.43	162.18
FURAN	7.00	15.00	41.10	28.67	61.43	168.33
FURAN, 2-METHYL-	7.00	15.00	35.60	28.67	61.43	145.80
CYCLOHEXANE, 1,2-DIMETHYL-, TRANS-	7.00	15.00	38.00	28.67	61.43	155.63
.ALPHA.-PINENE	7.00	15.00	109.60	28.67	61.43	448.87
NONANE, 3-METHYL-	7.00	15.00	35.20	28.67	61.43	144.16
3',6-DIMETHOXYAURONE	7.00	15.00	45.80	28.67	61.43	187.57

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	18		
File Name:	2614418B.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	9:33
Sample ID:	T-204	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	18:28
Anal Date:	5 Aug 126 8:22 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	688		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	2.0				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	29.551	1.69	42.00	13523074
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	31.625	2.49	31.00	13376466
74-87-3	Chloromethane	5	SA	18.078	2.03	50.00	13470463
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	14.852	2.44	94.00	5237479
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.422	3.39	46.00	254183
107-02-8	Acrolein	12	SA	5.362	3.75	56.00	693351
75-69-4	Trichlorofluoromethane	13	SA	0.096	2.78	101.00	62643
67-64-1	Acetone	14	SA	20.619	4.13	58.00	4443058
67-63-0	2-propanol (isopropylalcohc	15	SA	0.738	3.99	45.00	729931
75-65-0	t-Butyl alcohol	16	SA	4.566	4.50	59.00	4359902
4227-95-6	Methyl iodide	17	SA	-5.000	3.51	142.00	2763900
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.285	4.03	84.00	91687
75-15-0	Carbon disulfide	23	SA	6.441	3.45	76.00	4307868
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.108	4.94	63.00	83250
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	18.123	6.18	72.00	3675357
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	4.090	4.33	57.00	4645565
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	5.069	6.71	61.00	685914
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	59.135	6.18	72.00	11831084
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.939	5.54	96.00	402241
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	6.493	6.71	61.95	3416338
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	7.192	5.78	56.00	6470178
71-43-2	Benzene	47	SA	7.200	6.49	78.00	11589363
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	3.190	6.34	57.00	8681955
142-82-5	n-Heptane	51	SA	18.316	6.49	71.00	9174372
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	1.010	6.49	130.00	601555
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	12.293	9.40	58.00	6557140
10061-01-5	cis-1,3-Dichloropropene	59	SA	1.231	8.62	75.00	**799787**
108-88-3	Toluene	61	SA	24.968	8.92	91.00	37239046
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	10.244	8.72	85.00	6157080
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	2.908	9.41	166.00	1965858
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	18.089	10.94	106	32807462
1330-20-7	m,p-Xylenes	75	SA	23.438	11.15	91.00	35986997
111-84-2	Nonane	76	SA	19.565	10.86	57.00	30142014
100-42-5	Styrene	77	SA	2.580	11.83	104.00	2904435
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	17.451	11.73	91.00	27377572
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	5.250	12.83	91.00	13891334
98-82-8	Isopropylbenzene	84	SA	6.706	12.24	105.00	10507768
622-96-8	4-Ethyltoluene	85	SA	15.482	13.00	105.00	27054111
108-67-8	1,3,5-Trimethylbenzene	86	SA	5.481	13.12	105.00	10284043
124-18-5	Decane	87	SA	12.904	12.85	57.00	29610226
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	11.148	13.71	105.00	21478744
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	20.639	14.10	119.00	48583866
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	3.919	17.95	128.00	3146362
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	20.167	1.81	51.00	12653748
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5332623**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8181973**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9121463**
2037-26-5	Toluene-d8	61	SURR	2.688	8.85	98.00	**4950878**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 18
File Name: 2614418B.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 688
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	2.0

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	29.55	295.51	509.28	295.51	509.28	509.28	509.28	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	31.63	316.25	414.47	316.25	414.47	414.47	414.47	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	18.08	180.78	373.88	180.78	373.88	373.88	373.88	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	14.85	148.52	577.24	148.52	577.24	577.24	577.24	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.42	24.22	45.74	24.22	45.74	45.74	45.74	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	5.36	53.62	123.19	53.62	123.19	123.19	123.19	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.10	0.96	5.42	0.96	5.42	5.42	5.42	0.100	0.250	0.40	2.25	1.00	5.63	J
Acetone	58.1	20.62	206.19	490.63	206.19	490.63	490.63	490.63	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.74	7.38	18.16	7.38	18.16	18.16	18.16	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	4.57	45.66	138.56	45.66	138.56	138.56	138.56	0.100	1.000	0.40	1.21	4.00	12.14	
Methyl iodide	142.9	-5.00	-50.00	-292.62	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.28	2.85	9.91	2.85	9.91	9.91	9.91	0.050	0.250	0.20	0.70	1.00	3.48	
Carbon disulfide	76.1	6.44	64.41	200.73	64.41	200.73	200.73	200.73	0.100	0.250	0.40	1.25	1.00	3.12	

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.11	1.08	4.37	1.08	4.37	4.37	4.37	0.050	0.250	0.20	0.81	1.00	4.05	
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	18.12	181.23	535.14	181.23	535.14	535.14	535.14	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	4.09	40.90	144.38	40.90	144.38	144.38	144.38	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	5.07	50.69	182.90	50.69	182.90	182.90	182.90	0.100	0.250	0.40	1.44	1.00	3.61	
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	59.13	591.35	1746.16	591.35	1,746.16	1746.16	1,746.16	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.94	9.39	37.28	9.39	37.28	37.28	37.28	0.050	0.250	0.20	0.79	1.00	3.97	
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	6.49	64.93	263.26	64.93	263.26	263.26	263.26	0.050	0.250	0.20	0.81	1.00	4.05	
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	7.19	71.92	248.01	71.92	248.01	248.01	248.01	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	7.20	72.00	230.29	72.00	230.29	230.29	230.29	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	3.19	31.90	149.18	31.90	149.18	149.18	149.18	0.050	0.250	0.20	0.94	1.00	4.68	
n-Heptane	100.2	18.32	183.16	751.65	183.16	751.65	751.65	751.65	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	1.01	10.10	54.35	10.10	54.35	54.35	54.35	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	12.29	122.93	504.48	122.93	504.48	504.48	504.48	0.100	0.800	0.40	1.64	3.20	13.13	
cis-1,3-Dichloropropene	111.0	1.23	12.31	55.94	12.31	55.94	55.94	55.94	0.050	0.250	0.20	0.91	1.00	4.55	
Toluene	92.1	24.97	249.68	941.78	249.68	941.78	941.78	941.78	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	10.24	102.44	479.11	102.44	479.11	479.11	479.11	0.100	0.250	0.40	1.87	1.00	4.68	
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	2.91	29.08	197.45	29.08	197.45	197.45	197.45	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	18.09	180.89	786.77	180.89	786.77	786.77	786.77	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	23.44	234.38	1019.43	234.38	1,019.43	1019.43	1,019.43	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	19.57	195.65	1028.06	195.65	1,028.06	1028.06	1,028.06	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	2.58	25.80	110.09	25.80	110.09	110.09	110.09	0.150	0.250	0.60	2.56	1.00	4.27	
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	17.45	174.51	759.03	174.51	759.03	759.03	759.03	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	5.25	52.50	258.44	52.50	258.44	258.44	258.44	0.200	0.700	0.80	3.94	2.80	13.78	
Isopropylbenzene	120.2	6.71	67.06	330.13	67.06	330.13	330.13	330.13	0.200	0.700	0.80	3.94	2.80	13.78	
4-Ethyltoluene	120.2	15.48	154.82	762.13	154.82	762.13	762.13	762.13	0.200	1.600	0.80	3.94	6.40	31.51	
1,3,5-Trimethylbenzene	120.2	5.48	54.81	269.80	54.81	269.80	269.80	269.80	0.200	0.900	0.80	3.94	3.60	17.72	
Decane	142.3	12.90	129.04	752.04	129.04	752.04	752.04	752.04	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	11.15	111.48	548.81	111.48	548.81	548.81	548.81	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	20.64	206.39	1134.36	206.39	1,134.36	1134.36	1,134.36	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	3.92	39.19	205.74	39.19	205.74	205.74	205.74	0.100	0.500	0.40	2.10	2.00	10.50	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	20.17	201.67	545.54	201.67	545.54	545.54	545.54	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.69	108	108	108	108	108	108	108	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	295.51	509.28
ND		ND		Y	0.00	0.00
		=		Y	316.25	414.47
		=		Y	180.78	373.88
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	148.52	577.24
ND		ND		Y	0.00	0.00
		=		Y	24.22	45.74
		=		Y	53.62	123.19
J		=		Y	0.96	5.42
		=		Y	206.19	490.63
		=		Y	7.38	18.16
		=		Y	45.66	138.56
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.85	9.91
		=		Y	64.41	200.73

ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
	=		Y	1.08	4.37
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
	=		Y	181.23	535.14
ND	ND		Y	0.00	0.00
	=		Y	40.90	144.38
ND	ND		Y	0.00	0.00
	=		Y	50.69	182.90
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
	=	E	Y	591.35	1746.16
ND	ND		Y	0.00	0.00
	=		Y	9.39	37.28
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
	=		Y	64.93	263.26
ND	ND		Y	0.00	0.00
	=		Y	71.92	248.01
	=		Y	72.00	230.29
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
	=		Y	31.90	149.18
	=		Y	183.16	751.65
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
	=		Y	10.10	54.35
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
	=		Y	122.93	504.48
	=		Y	12.31	55.94
	=		Y	249.68	941.78
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00
ND	ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
	=	Y	102.44	479.11
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	29.08	197.45
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	180.89	786.77
	=	Y	234.38	1019.43
	=	Y	195.65	1028.06
	=	Y	25.80	110.09
ND	ND	Y	0.00	0.00
	=	Y	174.51	759.03
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	52.50	258.44
	=	Y	67.06	330.13
	=	Y	154.82	762.13
	=	Y	54.81	269.80
	=	Y	129.04	752.04
ND	ND	Y	0.00	0.00
	=	Y	111.48	548.81
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	206.39	1134.36
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	39.19	205.74
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	201.67	545.54
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**18**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum (Astdni)(Cistdi) / (Cstdni)(Aistdi) Note: 1

2) Raw Amt = (Ansamp)(Cistdi) / (Avg RFn)(Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	13523074	20.0	5332623	29.551	295.51	509.28
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5332623	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	13376466	20.0	5332623	31.625	316.25	414.47
5	Chloromethane	PFB	SA	50.5	0.699	13470463	20.0	5332623	18.078	180.78	373.88
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5332623	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5332623	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5332623	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	5237479	20.0	5332623	14.852	148.52	577.24
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5332623	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	254183	20.0	5332623	2.422	24.22	45.74
12	Acrolein	PFB	SA	56.1	0.121	693351	20.0	5332623	5.362	53.62	123.19
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	62643	20.0	5332623	0.096	0.96	5.42
14	Acetone	PFB	SA	58.1	0.202	4443058	20.0	5332623	20.619	206.19	490.63
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	729931	20.0	5332623	0.738	7.38	18.16
16	t-Butyl alcohol	PFB	SA	74.1	0.895	4359902	20.0	5332623	4.566	45.66	138.56
17	Methyl iodide	PFB	SA	142.9	0.305	2763900	20.0	5332623	-5.000	-50.00	-292.62
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5332623	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5332623	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5332623	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5332623	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	91687	20.0	5332623	0.285	2.85	9.91
23	Carbon disulfide	PFB	SA	76.1	0.627	4307868	20.0	5332623	6.441	64.41	200.73
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5332623	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5332623	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5332623	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	83250	20.0	5332623	0.108	1.08	4.37
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5332623	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5332623	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	3675357	20.0	5332623	18.123	181.23	535.14
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5332623	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	4645565	20.0	5332623	4.090	40.90	144.38
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5332623	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	685914	20.0	5332623	5.069	50.69	182.90
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5332623	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5332623	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	11831084	20.0	5332623	59.135	591.35	1746.16
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5332623	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	402241	20.0	5332623	0.939	9.39	37.28
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5332623	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5332623	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8181973	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	3416338	20.0	8181973	6.493	64.93	263.26
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8181973	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	6470178	20.0	8181973	7.192	71.92	248.01
47	Benzene	14DFB	SA	78.1	0.984	11589363	20.0	8181973	7.200	72.00	230.29
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8181973	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8181973	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	8681955	20.0	8181973	3.190	31.90	149.18
51	n-Heptane	14DFB	SA	100.2	0.306	9174372	20.0	8181973	18.316	183.16	751.65
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8181973	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8181973	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8181973	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	601555	20.0	8181973	1.010	10.10	54.35
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8181973	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8181973	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	6557140	20.0	8181973	12.293	122.93	504.48
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	799787	20.0	8181973	1.231	12.31	55.94
61	Toluene	14DFB	SA	92.1	0.911	37239046	20.0	8181973	24.968	249.68	941.78
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8181973	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8181973	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8181973	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8181973	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8181973	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	6157080	20.0	8181973	10.244	102.44	479.11
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8181973	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8181973	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	1965858	20.0	8181973	2.908	29.08	197.45
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9121463	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9121463	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	32807462	20.0	9121463	18.089	180.89	786.77
75	m,p-Xylenes	d5CB	SA	106.2	0.842	35986997	20.0	9121463	23.438	234.38	1019.43
76	Nonane	d5CB	SA	128.3	0.844	30142014	20.0	9121463	19.565	195.65	1028.06
77	Styrene	d5CB	SA	104.2	0.617	2904435	20.0	9121463	2.580	25.80	110.09
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9121463	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	27377572	20.0	9121463	17.451	174.51	759.03
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9121463	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9121463	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9121463	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	13891334	20.0	9121463	5.250	52.50	258.44
84	Isopropylbenzene	d5CB	SA	120.2	0.859	10507768	20.0	9121463	6.706	67.06	330.13
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	27054111	20.0	9121463	15.482	154.82	762.13
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	10284043	20.0	9121463	5.481	54.81	269.80
87	Decane	d5CB	SA	142.3	1.258	29610226	20.0	9121463	12.904	129.04	752.04
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9121463	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	21478744	20.0	9121463	11.148	111.48	548.81
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9121463	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9121463	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9121463	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	48583866	20.0	9121463	20.639	206.39	1134.36
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9121463	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9121463	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9121463	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9121463	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9121463	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9121463	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	3146362	20.0	9121463	3.919	39.19	205.74
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9121463	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9121463	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12653748	20.0	9121463	20.167	201.67	545.54
1	Pentafluorobenzene		IS			5332623	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8181973	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9121463	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4950878	5.0		2.688	107.53	108

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418A.D
Description: T-204
Canister: 688
QC_Batch: 081226-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/12/2026 **Time:** 18:15
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
109-99-9	Tetrahydrofuran	0.80	4.80	738.23	2.38	14.17	2,179.89	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

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Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	652.11	10.82	12.98	1,763.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 18

File Name: 2614418A.D
Description T-204
Canister: 688
QC_Batch: 081226-MA1

Date Sampled: 7/21/2026 **Time:** 09:33
Date Analyzed: 8/12/2026 **Time:** 18:15
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	28.00	60.00	963.60	114.67	245.73	3,946.42
CYCLOPROPANECARBOXYLIC ACID	28.00	60.00	1,069.20	114.67	245.73	4,378.91
BUTANE, 2-METHYL-	28.00	60.00	950.00	114.67	245.73	3,890.72
2-BUTENE, 2-METHYL-	28.00	60.00	158.40	114.67	245.73	648.73
FURAN	28.00	60.00	164.40	114.67	245.73	673.30
FURAN, 2-METHYL-	28.00	60.00	142.40	114.67	245.73	583.20
CYCLOHEXANE, 1,2-DIMETHYL-, TRANS-	28.00	60.00	152.00	114.67	245.73	622.52
.ALPHA.-PINENE	28.00	60.00	438.40	114.67	245.73	1,795.47
NONANE, 3-METHYL-	28.00	60.00	140.80	114.67	245.73	576.65
3',6-DIMETHOXYAURONE	28.00	60.00	183.20	114.67	245.73	750.30

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	18		
File Name:	2614418A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	9:33
Sample ID:	T-204	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	18:15
Anal Date:	12 Aug 126 6:15 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	25.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	688		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	29.410	1.69	42.00	12041693
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	11.097	2.49	31.00	4199542
74-87-3	Chloromethane	5	SA	1.930	2.03	50.00	1287020
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.175	2.07	62.00	103091
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.797	2.44	94.00	251618
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.396	3.39	46.00	224908
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.096	2.78	101.00	55655
67-64-1	Acetone	14	SA	5.517	4.13	58.00	1063632
67-63-0	2-propanol (isopropylalcohc	15	SA	0.426	3.99	45.00	376811
75-65-0	t-Butyl alcohol	16	SA	5.348	4.50	59.00	4568916
4227-95-6	Methyl iodide	17	SA	0.463	3.51	142.00	124669
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	1.436	3.45	76.00	859598
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	10.404	6.18	72.00	1887910
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	1.772	4.33	57.00	1801085
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	1.142	5.98	55.00	525197
109-99-9	Tetrahydrofuran	37	SA	18.456	6.18	72.00	3303716
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.334	5.54	96.00	127985
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	1.954	6.71	61.95	981761
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	2.550	5.78	56.00	2190756
71-43-2	Benzene	47	SA	2.447	6.49	78.00	3761270
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	1.025	6.34	57.00	2663702
142-82-5	n-Heptane	51	SA	6.186	6.49	71.00	2958325
78-87-5	1,2-Dichloropropane	52	SA	1.525	7.77	63.00	845889
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.318	6.49	130.00	181003
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	4.303	9.40	58.00	2191389
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	19.322	8.92	91.00	27515838
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	3.118	8.72	85.00	1789342
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.838	9.41	166.00	540978
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	14.818	10.94	106	24538370
1330-20-7	m,p-Xylenes	75	SA	18.802	11.15	91.00	26358835
111-84-2	Nonane	76	SA	9.986	10.86	57.00	14046297
100-42-5	Styrene	77	SA	0.858	11.83	104.00	881981
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	9.430	11.75	91.00	13508181
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	1.731	12.83	91.00	4181737
98-82-8	Isopropylbenzene	84	SA	2.027	12.24	105.00	2900149
622-96-8	4-Ethyltoluene	85	SA	6.455	13.00	105.00	10299536
108-67-8	1,3,5-Trimethylbenzene	86	SA	1.708	13.12	105.00	2927029
124-18-5	Decane	87	SA	8.298	12.85	57.00	17385349
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	3.894	13.71	105.00	6850722
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	1.713	14.19	146.00	2031236
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	1.579	14.34	146.00	2019966
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.535	17.95	128.00	392350
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.303	1.88	51.00	9339650
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4771224**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7812028**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8328412**
2037-26-5	Toluene-d8	61	SURR	2.535	8.85	98.00	**4458217**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 18
File Name: 2614418A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 25.0 ml
Can/Tube Number: 688
Dilution Factor: 0.0250
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT
Sam Type: SA
Instrument: MA1
DETECT: ND
Matrix: AA
Type: SA
Diluton: 0.0250
Sig Figs: 2
MDLSF: 2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<1.60

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	29.41	1176.41	2027.41	,176.41	2,027.41	2027.41	2,027.41	0.100	0.250	1.60	2.76	4.00	6.89	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	2.40	11.88	4.00	19.81	U
Methanol	32.0	11.10	443.88	581.74	443.88	581.74	581.74	581.74	0.500	0.600	8.00	10.48	9.60	12.58	
Chloromethane	50.5	1.93	77.22	159.70	77.22	159.70	159.70	159.70	0.150	0.250	2.40	4.96	4.00	8.27	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	11.20	4.00	28.00	U
Vinyl chloride	62.5	0.18	7.01	17.93	7.01	17.93	17.93	17.93	0.050	0.250	0.80	2.06	4.00	10.24	
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	1.78	4.00	8.86	U
Bromomethane	94.9	0.80	31.90	123.98	31.90	123.98	123.98	123.98	0.100	0.250	1.60	6.22	4.00	15.55	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.23	4.00	10.57	U
Ethanol	46.1	2.40	95.83	180.92	95.83	180.92	180.92	180.92	0.500	3.210	8.00	15.10	51.36	96.97	
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	1.60	3.68	4.80	11.03	U
Trichlorofluoromethane	137.4	0.10	3.83	21.55	3.83	21.55	21.55	21.55	0.100	0.250	1.60	9.00	4.00	22.51	J
Acetone	58.1	5.52	220.67	525.09	220.67	525.09	525.09	525.09	0.500	0.600	8.00	19.04	9.60	22.84	
2-propanol (isopropylalcohol)	60.1	0.43	17.03	41.92	17.03	41.92	41.92	41.92	0.200	1.250	3.20	7.88	20.00	49.23	J
t-Butyl alcohol	74.1	5.35	213.91	649.16	213.91	649.16	649.16	649.16	0.100	1.000	1.60	4.86	16.00	48.56	
Methyl iodide	142.9	0.46	18.54	108.48	18.54	108.48	108.48	108.48	0.100	0.300	1.60	9.36	4.80	28.09	
1,1-Dichloroethene	96.9	-2.59	-103.71	-411.58	ND	ND	0		0.050	0.250	0.80	3.17	4.00	15.87	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	3.20	6.96	4.80	10.44	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	6.14	4.00	30.70	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.80	2.51	16.00	50.13	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	2.78	4.00	13.91	U
Carbon disulfide	76.1	1.44	57.45	179.07	57.45	179.07	179.07	179.07	0.100	0.250	1.60	4.99	4.00	12.47	

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.80	3.17	3.20	12.70	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	1.60	5.77	3.20	11.55	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	4.00	9.03	6.40	14.44	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.24	4.00	16.22	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.70	4.00	16.74	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.80	2.82	16.00	56.42	U
2-Butanone (MEK)	72.1	10.40	416.18	1228.91	416.18	1,228.91	1228.91	1,228.91	0.100	0.300	1.60	4.72	4.80	14.17	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	1.60	6.70	9.60	40.18	U
Hexane	86.2	1.77	70.88	250.25	70.88	250.25	250.25	250.25	0.100	0.250	1.60	5.65	4.00	14.12	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.40	4.00	10.99	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	5.77	4.00	14.43	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.24	4.00	21.20	U
Methyl acrylate	86.1	1.14	45.66	161.02	45.66	161.02	161.02	161.02	0.100	0.500	1.60	5.64	8.00	28.21	
Tetrahydrofuran	72.1	18.46	738.23	2179.89	738.23	2,179.89	2179.89	2,179.89	0.050	0.300	0.80	2.38	4.80	14.17	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	3.20	9.71	12.80	38.84	U
cis-1,2-Dichloroethene	96.9	0.33	13.36	53.04	13.36	53.04	53.04	53.04	0.050	0.250	0.80	3.17	4.00	15.87	
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.70	4.00	18.51	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.92	4.00	19.56	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.37	4.00	21.85	U
1,2-Dichloroethane	99.0	1.95	78.17	316.94	78.17	316.94	316.94	316.94	0.050	0.250	0.80	3.24	4.00	16.22	
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
Cyclohexane	84.2	2.55	102.02	351.80	102.02	351.80	351.80	351.80	0.050	0.250	0.80	2.76	4.00	13.79	
Benzene	78.1	2.45	97.89	313.12	97.89	313.12	313.12	313.12	0.350	0.500	5.60	17.91	8.00	25.59	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.04	4.00	25.20	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	6.70	8.00	33.48	U
2,2,4-Trimethylpentane	114.2	1.02	41.00	191.74	41.00	191.74	191.74	191.74	0.050	0.250	0.80	3.74	4.00	18.71	
n-Heptane	100.2	6.19	247.44	1015.40	247.44	1,015.40	1015.40	1,015.40	0.100	0.250	1.60	6.57	4.00	16.41	
1,2-Dichloropropane	113.0	1.52	60.99	282.26	60.99	282.26	282.26	282.26	0.050	0.250	0.80	3.70	4.00	18.51	
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	5.77	8.00	28.87	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.70	4.00	28.48	U
Trichloroethene (TCE)	131.4	0.32	12.73	68.51	12.73	68.51	68.51	68.51	0.025	0.250	0.40	2.15	4.00	21.53	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.37	4.00	26.83	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.56	4.00	16.40	U
4-Methyl-2-pentanone (MIBK)	100.2	4.30	172.12	706.32	172.12	706.32	706.32	706.32	0.100	0.800	1.60	6.57	12.80	52.53	
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
Toluene	92.1	19.32	772.89	2915.32	772.89	2,915.32	2915.32	2,915.32	0.200	0.250	3.20	12.07	4.00	15.09	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.37	4.00	21.85	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.48	4.00	18.71	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	1.60	6.57	12.80	52.53	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.80	3.70	11.20	51.83	U
Octane	114.2	3.12	124.72	583.32	124.72	583.32	583.32	583.32	0.100	0.250	1.60	7.48	4.00	18.71	
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	13.65	4.00	34.12	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	12.31	4.00	30.78	U
Tetrachloroethene (PCE)	165.8	0.84	33.52	227.64	33.52	227.64	227.64	227.64	0.025	0.250	0.40	2.72	4.00	27.16	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.38	4.00	18.45	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	11.00	4.00	27.49	U
Ethylbenzene	106.2	14.82	592.72	2578.01	592.72	2,578.01	2578.01	2,578.01	0.100	0.250	1.60	6.96	4.00	17.40	
m,p-Xylenes	106.2	18.80	752.09	3271.16	752.09	3,271.16	3271.16	3,271.16	0.100	0.250	1.60	6.96	4.00	17.40	
Nonane	128.3	9.99	399.43	2098.80	399.43	2,098.80	2098.80	2,098.80	0.100	0.250	1.60	8.41	4.00	21.02	
Styrene	104.2	0.86	34.32	146.46	34.32	146.46	146.46	146.46	0.150	0.250	2.40	10.24	4.00	17.07	
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	16.56	4.00	41.40	U
o-Xylene	106.2	9.43	377.22	1640.68	377.22	1,640.68	1640.68	1,640.68	0.100	0.250	1.60	6.96	4.00	17.40	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	3.20	21.99	8.00	54.98	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	19.32	9.60	57.95	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	16.38	9.60	49.15	U
n-Propylbenzene	120.2	1.73	69.23	340.82	69.23	340.82	340.82	340.82	0.200	0.700	3.20	15.75	11.20	55.14	
Isopropylbenzene	120.2	2.03	81.08	399.16	81.08	399.16	399.16	399.16	0.200	0.700	3.20	15.75	11.20	55.14	
4-Ethyltoluene	120.2	6.46	258.21	1271.09	258.21	1,271.09	1271.09	1,271.09	0.200	1.600	3.20	15.75	25.60	126.02	
1,3,5-Trimethylbenzene	120.2	1.71	68.34	336.41	68.34	336.41	336.41	336.41	0.200	0.900	3.20	15.75	14.40	70.89	
Decane	142.3	8.30	331.92	1934.41	331.92	1,934.41	1934.41	1,934.41	0.200	0.600	3.20	18.65	9.60	55.95	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
1,2,4-Trimethylbenzene	120.2	3.89	155.77	766.85	155.77	766.85	766.85	766.85	0.200	0.900	3.20	15.75	14.40	70.89	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	17.59	11.20	61.56	U
1,3-Dichlorobenzene	147.0	1.71	68.52	412.52	68.52	412.52	412.52	412.52	0.200	0.800	3.20	19.27	12.80	77.06	
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	3.20	16.59	8.00	41.48	U
1,4-Dichlorobenzene	147.0	1.58	63.18	380.34	63.18	380.34	380.34	380.34	0.200	0.500	3.20	19.27	8.00	48.16	
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	19.27	11.20	67.43	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	4.80	46.45	11.20	108.39	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	4.80	35.66	8.00	59.43	U
Naphthalene	128.2	0.54	21.41	112.40	21.41	112.40	112.40	112.40	0.100	0.500	1.60	8.40	8.00	42.00	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	4.80	35.66	8.00	59.43	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	4.00	42.72	4.80	51.27	U
1,1-Difluoroethane	66.1	16.30	652.11	1763.99	652.11	1,763.99	1763.99	1,763.99	0.250	0.300	4.00	10.82	4.80	12.98	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.54	101	101	101	101	101	101	101	101	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=	E	Y	1176.41	2027.41
ND		ND		Y	0.00	0.00
		=		Y	443.88	581.74
		=		Y	77.22	159.70
ND		ND		Y	0.00	0.00
		=		Y	7.01	17.93
ND		ND		Y	0.00	0.00
		=		Y	31.90	123.98
ND		ND		Y	0.00	0.00
		=		Y	95.83	180.92
ND		ND		Y	0.00	0.00
J		=		Y	3.83	21.55
		=		Y	220.67	525.09
J		=		Y	17.03	41.92
		=		Y	213.91	649.16
		=		Y	18.54	108.48
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	57.45	179.07

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	416.18	1228.91
ND	ND	Y	0.00	0.00
	=	Y	70.88	250.25
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	45.66	161.02
	=	Y	738.23	2179.89
ND	ND	Y	0.00	0.00
	=	Y	13.36	53.04
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	78.17	316.94
ND	ND	Y	0.00	0.00
	=	Y	102.02	351.80
	=	Y	97.89	313.12
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	41.00	191.74
	=	Y	247.44	1015.40
	=	Y	60.99	282.26
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	12.73	68.51
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	172.12	706.32
ND	ND	Y	0.00	0.00
	=	Y	772.89	2915.32
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
	=	Y	124.72	583.32
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	33.52	227.64
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	592.72	2578.01
	=	Y	752.09	3271.16
	=	Y	399.43	2098.80
	=	Y	34.32	146.46
ND	ND	Y	0.00	0.00
	=	Y	377.22	1640.68
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	69.23	340.82
	=	Y	81.08	399.16
	=	Y	258.21	1271.09
	=	Y	68.34	336.41
	=	Y	331.92	1934.41
ND	ND	Y	0.00	0.00
	=	Y	155.77	766.85
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	68.52	412.52
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	63.18	380.34
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	21.41	112.40
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	652.11	1763.99
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**18**
Standard Volume	STV	10.0 ml
Sample Volume	SV	25 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ i — Note: 1

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

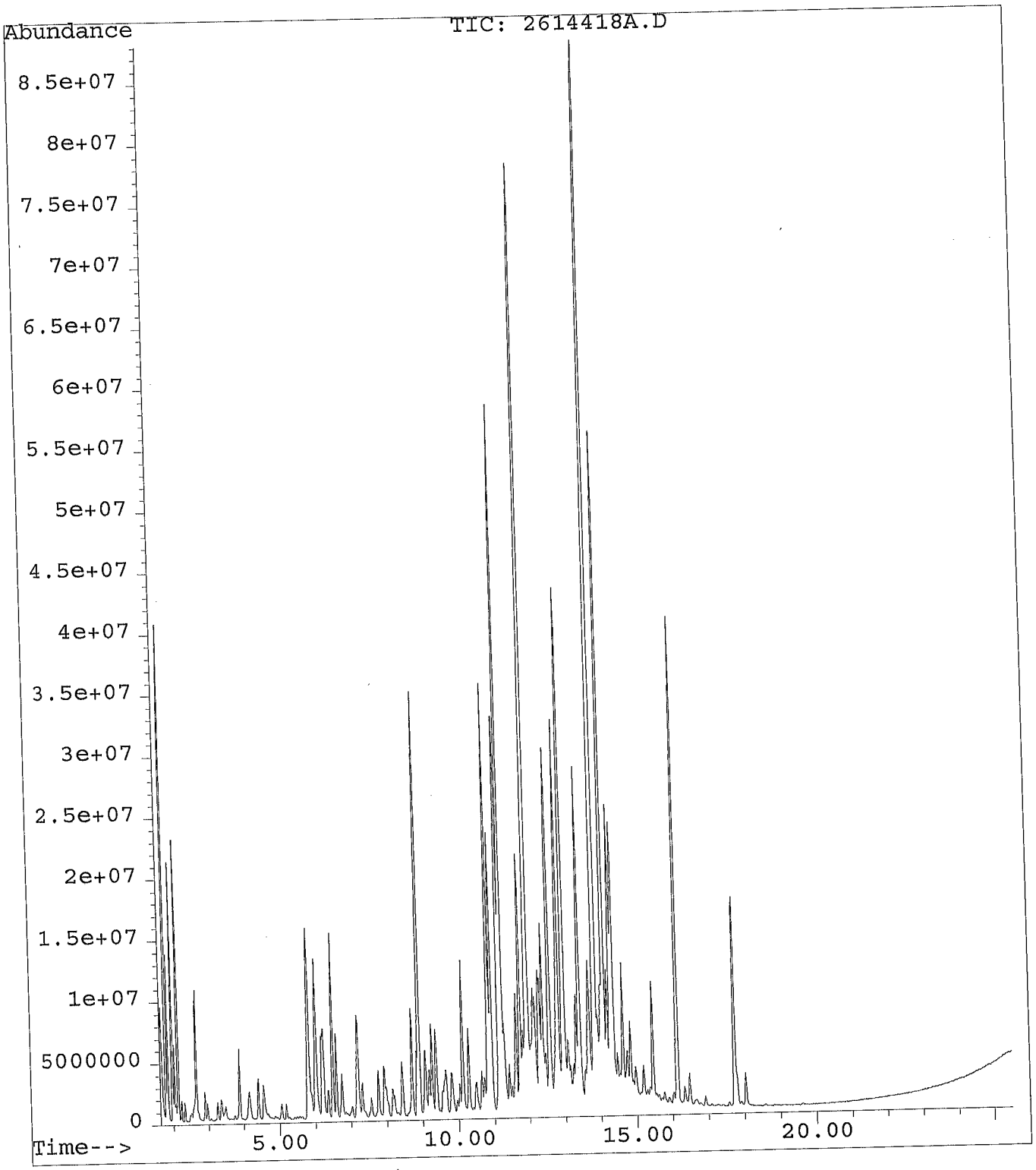
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	12041693	20.0	4771224	29.410	1176.41	2027.41
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4771224	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	4199542	20.0	4771224	11.097	443.88	581.74
5	Chloromethane	PFB	SA	50.5	0.699	1287020	20.0	4771224	1.930	77.22	159.70
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4771224	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	103091	20.0	4771224	0.175	7.01	17.93
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4771224	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	251618	20.0	4771224	0.797	31.90	123.98
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4771224	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	224908	20.0	4771224	2.396	95.83	180.92
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	4771224	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	55655	20.0	4771224	0.096	3.83	21.55
14	Acetone	PFB	SA	58.1	0.202	1063632	20.0	4771224	5.517	220.67	525.09
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	376811	20.0	4771224	0.426	17.03	41.92
16	t-Butyl alcohol	PFB	SA	74.1	0.895	4568916	20.0	4771224	5.348	213.91	649.16
17	Methyl iodide	PFB	SA	142.9	0.305	124669	20.0	4771224	0.463	18.54	108.48
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4771224	-2.593	-103.71	-411.58
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4771224	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4771224	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4771224	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4771224	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	859598	20.0	4771224	1.436	57.45	179.07
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4771224	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4771224	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4771224	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4771224	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4771224	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4771224	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	1887910	20.0	4771224	10.404	416.18	1228.91
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4771224	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	1801085	20.0	4771224	1.772	70.88	250.25
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4771224	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4771224	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4771224	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	525197	20.0	4771224	1.142	45.66	161.02
37	Tetrahydrofuran	PFB	SA	72.1	0.188	3303716	20.0	4771224	18.456	738.23	2179.89
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4771224	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	127985	20.0	4771224	0.334	13.36	53.04
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4771224	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4771224	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7812028	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	981761	20.0	7812028	1.954	78.17	316.94
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7812028	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	2190756	20.0	7812028	2.550	102.02	351.80
47	Benzene	14DFB	SA	78.1	0.984	3761270	20.0	7812028	2.447	97.89	313.12
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7812028	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7812028	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	2663702	20.0	7812028	1.025	41.00	191.74
51	n-Heptane	14DFB	SA	100.2	0.306	2958325	20.0	7812028	6.186	247.44	1015.40
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	845889	20.0	7812028	1.525	60.99	282.26
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7812028	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7812028	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	181003	20.0	7812028	0.318	12.73	68.51
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7812028	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7812028	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	2191389	20.0	7812028	4.303	172.12	706.32
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7812028	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	27515838	20.0	7812028	19.322	772.89	2915.32
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7812028	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7812028	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7812028	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7812028	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7812028	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	1789342	20.0	7812028	3.118	124.72	583.32
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7812028	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7812028	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	540978	20.0	7812028	0.838	33.52	227.64
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8328412	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8328412	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	24538370	20.0	8328412	14.818	592.72	2578.01
75	m,p-Xylenes	d5CB	SA	106.2	0.842	26358835	20.0	8328412	18.802	752.09	3271.16
76	Nonane	d5CB	SA	128.3	0.844	14046297	20.0	8328412	9.986	399.43	2098.80
77	Styrene	d5CB	SA	104.2	0.617	881981	20.0	8328412	0.858	34.32	146.46
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8328412	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	13508181	20.0	8328412	9.430	377.22	1640.68
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8328412	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8328412	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8328412	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	4181737	20.0	8328412	1.731	69.23	340.82
84	Isopropylbenzene	d5CB	SA	120.2	0.859	2900149	20.0	8328412	2.027	81.08	399.16
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	10299536	20.0	8328412	6.455	258.21	1271.09
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	2927029	20.0	8328412	1.708	68.34	336.41
87	Decane	d5CB	SA	142.3	1.258	17385349	20.0	8328412	8.298	331.92	1934.41
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8328412	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	6850722	20.0	8328412	3.894	155.77	766.85
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8328412	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8328412	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	2031236	20.0	8328412	1.713	68.52	412.52
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8328412	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8328412	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	2019966	20.0	8328412	1.579	63.18	380.34
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8328412	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8328412	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8328412	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8328412	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	392350	20.0	8328412	0.535	21.41	112.40
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8328412	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8328412	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9339650	20.0	8328412	16.303	652.11	1763.99
1	Pentafluorobenzene		IS			4771224	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7812028	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8328412	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4458217	5.0		2.535	101.41	101

File : C:\MSCHEM\1\DATA\08126B_3\2614418A.D
Operator : SW
Acquired : 12 Aug 126 6:15 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-204
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 19

Client ID T-205

Analytical Method TO-15

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Analytical Report
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Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 19**

File Name: 2614419A.D **Date Sampled:** 7/21/2026 **Time:** 10:52
Description: T-205 **Date Analyzed:** 8/5/2026 **Time:** 19:13
Canister: 761 **Can Dilution Factor:** 1.00
QC_Batch: 080526-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	12.16	0.69	1.72	20.95	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.74	2.62	3.15	27.18	
74-87-3	Chloromethane	0.60	1.00	8.32	1.24	2.07	17.20	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.63	1.55	3.89	14.11	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	103.46	3.78	24.24	195.33	
107-02-8	Acrolein	0.40	1.20	2.92	0.92	2.76	6.70	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	207.94	4.76	5.71	494.78	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	1.88	1.21	12.14	5.72	J
4227-95-6	Methyl iodide	0.40	1.20	3.46	2.34	7.02	20.25	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	17.71	1.18	3.54	52.30	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	2.66	0.59	3.54	7.86	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	1.76	0.98	4.89	8.58	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.87	4.48	6.40	5.99	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	3.22	3.02	3.77	12.14	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	2.12	1.74	4.35	9.21	
1330-20-7	m,p-Xylenes	0.40	1.00	3.04	1.74	4.35	13.20	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.73	1.74	4.35	7.53	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	1.15	3.94	31.51	5.67	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	1.48	4.40	13.19	8.11	J
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	17.75	4.40	13.19	97.57	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	37.13	2.10	10.50	194.93	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 19

File Name: 2614419A.D
Description T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	143.34	2.71	3.25	387.75	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 19

File Name: 2614419A.D
Description T-205
Canister: 761
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:52
Date Analyzed: 8/5/2026 **Time:** 19:13
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
DISULFIDE, BIS(1-METHYLPROPYL)	7.00	15.00	26.50	28.67	61.43	108.53

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	19		
File Name:	2614419A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	10:52
Sample ID:	T-205	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	19:13
Anal Date:	5 Aug 126 7:13 pm	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	761		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	1.216	1.69	42.00	808981
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	2.074	2.49	31.00	1275411
74-87-3	Chloromethane	5	SA	0.832	2.03	50.00	901077
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.363	2.44	94.00	186217
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	10.346	3.39	46.00	1578610
107-02-8	Acrolein	12	SA	0.292	3.75	56.00	54857
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	20.794	4.13	58.00	6515818
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.188	4.50	59.00	261545
4227-95-6	Methyl iodide	17	SA	0.346	3.51	142.00	125382
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.771	6.18	72.00	522354
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.266	6.18	72.00	77483
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.176	5.83	83.00	**161103**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.187	6.49	78.00	429316
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.322	8.92	91.00	683981
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.212	10.94	106	473037
1330-20-7	m,p-Xylenes	75	SA	0.304	11.15	91.00	574384
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.173	11.74	91.00	334854
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.115	13.00	105.00	247957
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.148	13.89	91.00	539094
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	1.775	14.10	119.00	5149581
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.107	17.40	180.00	47933
91-20-3	Naphthalene	100	SA	3.713	17.95	128.00	3673584
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.334	1.81	51.00	11083177
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7754805**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**11658423**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11240466**
2037-26-5	Toluene-d8	61	SURR	2.460	8.85	98.00	**6454750**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 19
File Name: 2614419A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 761
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	1.22	12.16	20.95	12.16	20.95	20.95	20.95	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	2.07	20.74	27.18	20.74	27.18	27.18	27.18	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.83	8.32	17.20	8.32	17.20	17.20	17.20	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.36	3.63	14.11	3.63	14.11	14.11	14.11	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	10.35	103.46	195.33	103.46	195.33	195.33	195.33	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.29	2.92	6.70	2.92	6.70	6.70	6.70	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	20.79	207.94	494.78	207.94	494.78	494.78	494.78	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.19	1.88	5.72	1.88	5.72	5.72	5.72	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.35	3.46	20.25	3.46	20.25	20.25	20.25	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.77	17.71	52.30	17.71	52.30	52.30	52.30	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.27	2.66	7.86	2.66	7.86	7.86	7.86	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.18	1.76	8.58	1.76	8.58	8.58	8.58	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.19	1.87	5.99	1.87	5.99	5.99	5.99	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.32	3.22	12.14	3.22	12.14	12.14	12.14	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.21	2.12	9.21	2.12	9.21	9.21	9.21	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.30	3.04	13.20	3.04	13.20	13.20	13.20	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.17	1.73	7.53	1.73	7.53	7.53	7.53	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.12	1.15	5.67	1.15	5.67	5.67	5.67	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.15	1.48	8.11	1.48	8.11	8.11	8.11	0.200	0.600	0.80	4.40	2.40	13.19	J
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	1.78	17.75	97.57	17.75	97.57	97.57	97.57	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.11	1.07	7.92	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	3.71	37.13	194.93	37.13	194.93	194.93	194.93	0.100	0.500	0.40	2.10	2.00	10.50	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.33	143.34	387.75	143.34	387.75	387.75	387.75	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	12.16	20.95
ND		ND		Y	0.00	0.00
		=		Y	20.74	27.18
		=		Y	8.32	17.20
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.63	14.11
ND		ND		Y	0.00	0.00
		=		Y	103.46	195.33
		=		Y	2.92	6.70
ND		ND		Y	0.00	0.00
		=		Y	207.94	494.78
ND		ND		Y	0.00	0.00
J		=		Y	1.88	5.72
		=		Y	3.46	20.25
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	17.71	52.30
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.66	7.86
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.76	8.58
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.87	5.99
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.22	12.14
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND	=	Y	2.12		9.21	
	=	Y	3.04		13.20	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND	=	Y	1.73		7.53	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
J	=	Y	1.15		5.67	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
J	=	Y	1.48		8.11	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	17.75		97.57	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	37.13		194.93	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	143.34		387.75	
	=	Y				
	=	Y				
	=	Y				

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**19**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

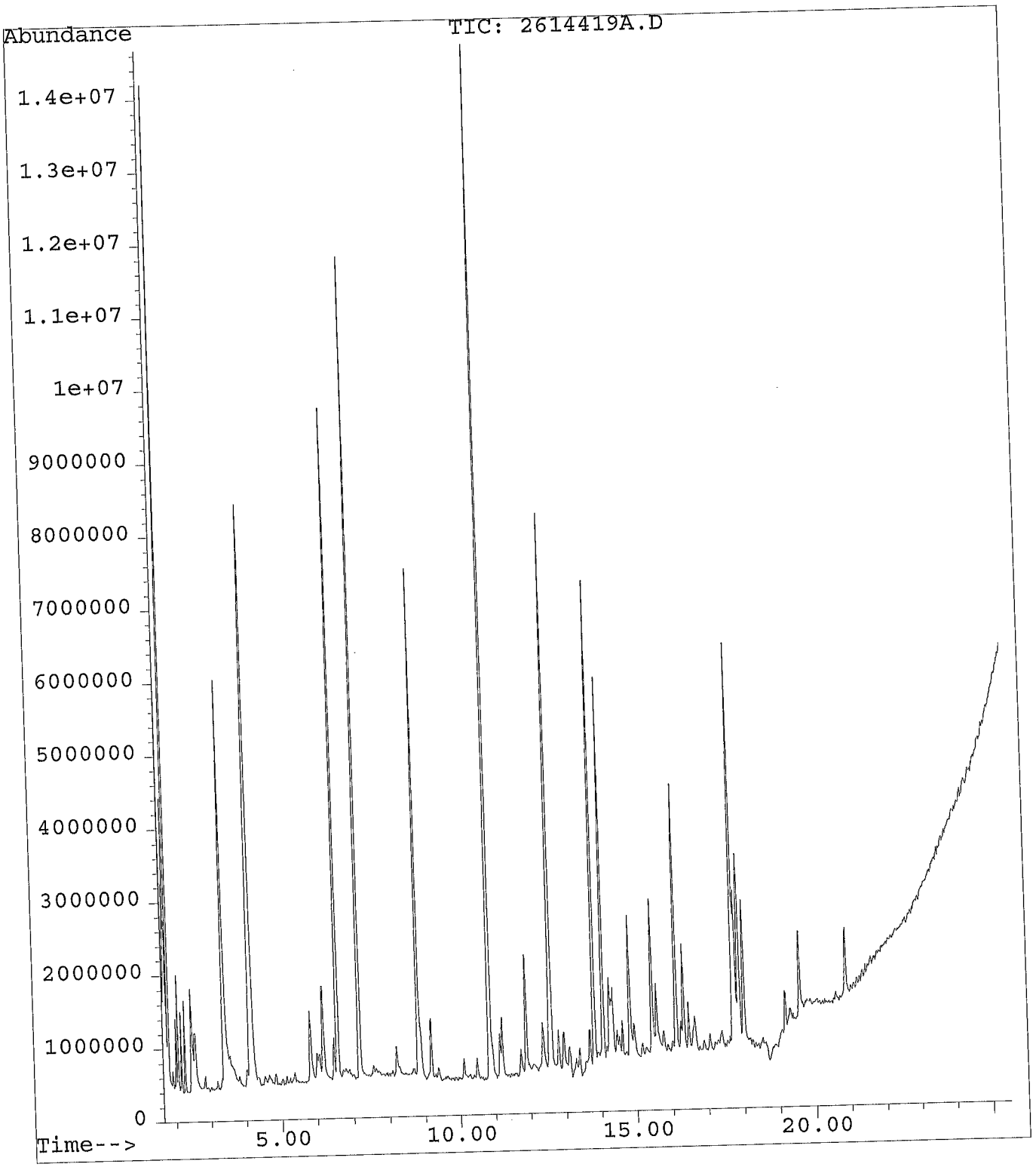
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	808981	20.0	7754805	1.216	12.16	20.95
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	7754805	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	1275411	20.0	7754805	2.074	20.74	27.18
5	Chloromethane	PFB	SA	50.5	0.699	901077	20.0	7754805	0.832	8.32	17.20
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7754805	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7754805	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7754805	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	186217	20.0	7754805	0.363	3.63	14.11
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7754805	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1578610	20.0	7754805	10.346	103.46	195.33
12	Acrolein	PFB	SA	56.1	0.121	54857	20.0	7754805	0.292	2.92	6.70
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7754805	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	6515818	20.0	7754805	20.794	207.94	494.78
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	7754805	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	261545	20.0	7754805	0.188	1.88	5.72
17	Methyl iodide	PFB	SA	142.9	0.305	125382	20.0	7754805	0.346	3.46	20.25
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7754805	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7754805	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7754805	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7754805	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7754805	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7754805	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7754805	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7754805	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7754805	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7754805	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7754805	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7754805	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	522354	20.0	7754805	1.771	17.71	52.30
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7754805	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	7754805	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7754805	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7754805	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7754805	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7754805	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	77483	20.0	7754805	0.266	2.66	7.86
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7754805	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7754805	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7754805	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	161103	20.0	7754805	0.176	1.76	8.58
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	11658423	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	11658423	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	11658423	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	11658423	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	429316	20.0	11658423	0.187	1.87	5.99
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	11658423	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	11658423	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	11658423	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	11658423	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	11658423	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	11658423	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	11658423	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	11658423	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	11658423	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	11658423	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	11658423	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	11658423	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	683981	20.0	11658423	0.322	3.22	12.14
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	11658423	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	11658423	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	11658423	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	11658423	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	11658423	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	11658423	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	11658423	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	11658423	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	11658423	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11240466	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11240466	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	473037	20.0	11240466	0.212	2.12	9.21
75	m,p-Xylenes	d5CB	SA	106.2	0.842	574384	20.0	11240466	0.304	3.04	13.20
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	11240466	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	11240466	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11240466	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	334854	20.0	11240466	0.173	1.73	7.53
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11240466	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11240466	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11240466	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	11240466	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	11240466	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	247957	20.0	11240466	0.115	1.15	5.67
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	11240466	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	11240466	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11240466	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	11240466	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	539094	20.0	11240466	0.148	1.48	8.11

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	11240466	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11240466	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	5149581	20.0	11240466	1.775	17.75	97.57
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11240466	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11240466	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	11240466	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11240466	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11240466	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	47933	20.0	11240466	0.107	1.07	7.92
100	Naphthalene	d5CB	SA	128.2	0.440	3673584	20.0	11240466	3.713	37.13	194.93
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	11240466	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11240466	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11083177	20.0	11240466	14.334	143.34	387.75
1	Pentafluorobenzene		IS			7754805	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			11658423	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11240466	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6454750	5.0		2.460	98.38	98

File : C:\MSCHEM\1\DATA\08056B_3\2614419A.D
Operator : SW
Acquired : 5 Aug 126 7:13 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-205
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **20**

Client ID T-206

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 20**

File Name: 2614420A.D **Date Sampled:** 7/21/2026 **Time:** 10:51
Description: T-206 **Date Analyzed:** 8/5/2026 **Time:** 21:00
Canister: 809 **Can Dilution Factor:** 1.00
QC_Batch: 080526-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	40.02	0.69	1.72	68.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	29.35	1.24	2.07	60.70	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	12.62	1.55	3.89	49.05	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	103.49	3.78	24.24	195.40	
107-02-8	Acrolein	0.40	1.20	19.92	0.92	2.76	45.77	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	66.61	4.76	5.71	158.49	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	3.35	1.21	12.14	10.17	J
4227-95-6	Methyl iodide	0.40	1.20	6.25	2.34	7.02	36.59	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	18.31	1.18	3.54	54.07	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.13	1.41	3.53	4.01	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	13.79	0.59	3.54	40.72	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	3.11	0.98	4.89	15.22	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.60	0.69	3.45	5.52	
71-43-2	Benzene	1.40	2.00	3.41	4.48	6.40	10.92	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	3.81	1.64	4.10	15.65	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	2.77	1.64	13.13	11.36	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	31.61	3.02	3.77	119.23	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	2.05	1.87	4.68	9.57	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	0.72	0.68	6.79	4.89	J
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	16.50	1.74	4.35	71.78	
1330-20-7	m,p-Xylenes	0.40	1.00	24.56	1.74	4.35	106.84	
111-84-2	Nonane	0.40	1.00	7.26	2.10	5.25	38.16	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	8.28	1.74	4.35	36.03	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	5.80	3.94	31.51	28.56	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	6.87	4.66	13.99	40.04	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.40	3.94	17.72	21.68	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	54.88	4.40	13.19	301.61	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	22.26	2.10	10.50	116.87	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 20

File Name: 2614420A.D
Description T-206
Canister: 809
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:51
Date Analyzed: 8/5/2026 **Time:** 21:00
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	136.38	2.71	3.25	368.91	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 20

File Name: 2614420A.D
Description: T-206
Canister: 809
QC_Batch: 080526-MA1

Date Sampled: 7/21/2026 **Time:** 10:51
Date Analyzed: 8/5/2026 **Time:** 21:00
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
.ALPHA.-PINENE	7.00	15.00	74.30	28.67	61.43	304.30
DISULFIDE, BIS(2-METHYLPROPYL)	7.00	15.00	21.00	28.67	61.43	86.01

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**226144**		
				EAS ID:	**20**		
File Name:	2614420A.D	**Method:**	**TO-15**	**Date Sampled:**	**7/21/2026**	**Time:**	**10:51**
Sample ID:	T-206	**Matrix:**	**AA**	**Date Received:**	**7/24/2026**	**Time:**	**16:10**
MiscInfo-Vol:	SCHMIDT	**Detect:**	**ND**	**Date Analyzed:**	**8/5/2026**	**Time:**	**21:00**
Anal Date:	5 Aug 126 9:00 pm	**SF:**	**2**	**QCbatch:**	**080526-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**100.0**		
Run Method:	B1563_C.M	**Type:**	**SA**	**Can (Vial) No:**	**809**		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**SA**		
Analyst:	SW	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	4.002	1.69	42.00	2874787
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	58110
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	2.935	2.03	50.00	3432548
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	1.262	2.44	94.00	698543
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	10.349	3.39	46.00	1704547
107-02-8	Acrolein	12	SA	1.992	3.75	56.00	404328
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	6.661	4.13	58.00	2252881
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.335	4.50	59.00	502362
4227-95-6	Methyl iodide	17	SA	0.625	3.51	142.00	330573
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.831	6.18	72.00	582907
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.113	4.33	57.00	202309
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	1.379	6.18	72.00	433117
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.311	5.83	83.00	**308460**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.160	5.78	56.00	225116
71-43-2	Benzene	47	SA	0.341	6.49	78.00	858606
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.381	6.49	71.00	298483
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.277	9.40	58.00	230772
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	3.161	8.92	91.00	7366584
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.205	8.72	85.00	192229
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.072	9.41	166.00	76128
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	1.650	10.94	106	3790735
1330-20-7	m,p-Xylenes	75	SA	2.456	11.15	91.00	4776668
111-84-2	Nonane	76	SA	0.726	10.86	57.00	1416992
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.828	11.73	91.00	1646022
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.580	13.00	105.00	1283999
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.687	12.85	57.00	1996779
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.440	13.71	105.00	1074411
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	5.488	14.10	119.00	16360645
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	2.226	17.95	128.00	2263555
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.638	1.83	51.00	10837387
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**8370487**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**12784869**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11552387**
2037-26-5	Toluene-d8	61	SURR	2.551	8.85	98.00	**7342418**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 20
File Name: 2614420A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 809
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	4.00	40.02	68.97	40.02	68.97	68.97	68.97	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	2.93	29.35	60.70	29.35	60.70	60.70	60.70	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	1.26	12.62	49.05	12.62	49.05	49.05	49.05	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	10.35	103.49	195.40	103.49	195.40	195.40	195.40	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	1.99	19.92	45.77	19.92	45.77	45.77	45.77	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	6.66	66.61	158.49	66.61	158.49	158.49	158.49	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.34	3.35	10.17	3.35	10.17	10.17	10.17	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.63	6.25	36.59	6.25	36.59	36.59	36.59	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.83	18.31	54.07	18.31	54.07	54.07	54.07	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.11	1.13	4.01	1.13	4.01	4.01	4.01	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	1.38	13.79	40.72	13.79	40.72	40.72	40.72	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.31	3.11	15.22	3.11	15.22	15.22	15.22	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.16	1.60	5.52	1.60	5.52	5.52	5.52	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.34	3.41	10.92	3.41	10.92	10.92	10.92	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.38	3.81	15.65	3.81	15.65	15.65	15.65	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.28	2.77	11.36	2.77	11.36	11.36	11.36	0.100	0.800	0.40	1.64	3.20	13.13	J
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	3.16	31.61	119.23	31.61	119.23	119.23	119.23	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.20	2.05	9.57	2.05	9.57	9.57	9.57	0.100	0.250	0.40	1.87	1.00	4.68	
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.07	0.72	4.89	0.72	4.89	4.89	4.89	0.025	0.250	0.10	0.68	1.00	6.79	J
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	1.65	16.50	71.78	16.50	71.78	71.78	71.78	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	2.46	24.56	106.84	24.56	106.84	106.84	106.84	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.73	7.26	38.16	7.26	38.16	38.16	38.16	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.83	8.28	36.03	8.28	36.03	36.03	36.03	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.58	5.80	28.56	5.80	28.56	28.56	28.56	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.69	6.87	40.04	6.87	40.04	40.04	40.04	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.44	4.40	21.68	4.40	21.68	21.68	21.68	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	5.49	54.88	301.61	54.88	301.61	301.61	301.61	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	2.23	22.26	116.87	22.26	116.87	116.87	116.87	0.100	0.500	0.40	2.10	2.00	10.50	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.64	136.38	368.91	136.38	368.91	368.91	368.91	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.55	102	102	102	102	102	102	102	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	40.02	68.97
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	29.35	60.70
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	12.62	49.05
ND		ND		Y	0.00	0.00
		=		Y	103.49	195.40
		=		Y	19.92	45.77
ND		ND		Y	0.00	0.00
		=		Y	66.61	158.49
ND		ND		Y	0.00	0.00
J		=		Y	3.35	10.17
		=		Y	6.25	36.59
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	18.31	54.07
ND	ND	Y	0.00	0.00
	=	Y	1.13	4.01
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	13.79	40.72
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.11	15.22
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.60	5.52
	=	Y	3.41	10.92
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.81	15.65
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	2.77	11.36
ND	ND	Y	0.00	0.00
	=	Y	31.61	119.23
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
	=	Y	2.05	9.57
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.72	4.89
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	16.50	71.78
	=	Y	24.56	106.84
	=	Y	7.26	38.16
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.28	36.03
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	5.80	28.56
ND	ND	Y	0.00	0.00
	=	Y	6.87	40.04
ND	ND	Y	0.00	0.00
	=	Y	4.40	21.68
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	54.88	301.61
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	22.26	116.87
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	136.38	368.91
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**20**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

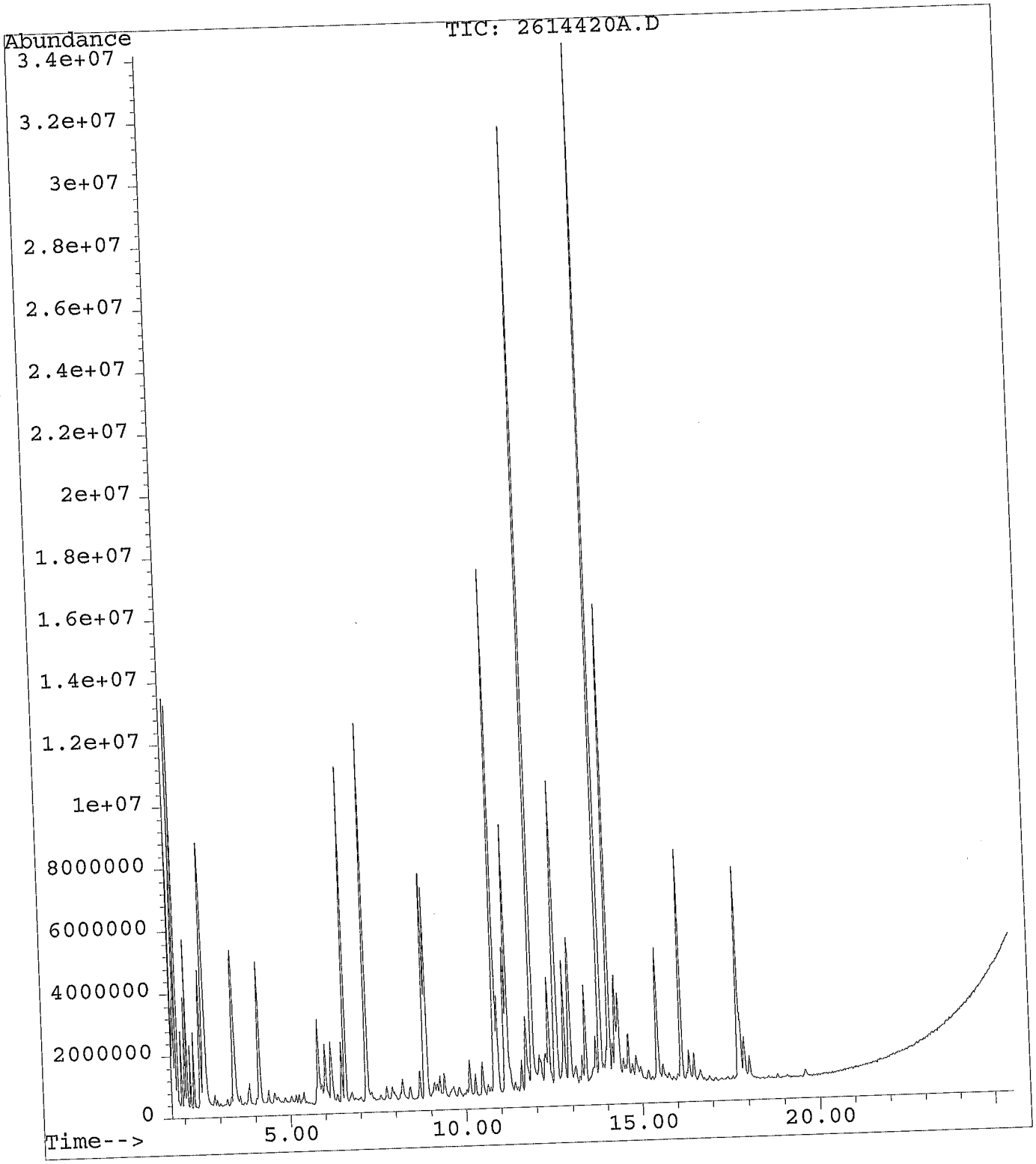
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	2874787	20.0	8370487	4.002	40.02	68.97
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	58110	20.0	8370487	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	8370487	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	3432548	20.0	8370487	2.935	29.35	60.70
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	8370487	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	8370487	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	8370487	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	698543	20.0	8370487	1.262	12.62	49.05
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	8370487	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1704547	20.0	8370487	10.349	103.49	195.40
12	Acrolein	PFB	SA	56.1	0.121	404328	20.0	8370487	1.992	19.92	45.77
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	8370487	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	2252881	20.0	8370487	6.661	66.61	158.49
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	8370487	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	502362	20.0	8370487	0.335	3.35	10.17
17	Methyl iodide	PFB	SA	142.9	0.305	330573	20.0	8370487	0.625	6.25	36.59
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	8370487	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	8370487	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	8370487	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	8370487	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	8370487	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	8370487	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	8370487	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	8370487	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	8370487	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	8370487	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	8370487	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	8370487	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	582907	20.0	8370487	1.831	18.31	54.07
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	8370487	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	202309	20.0	8370487	0.113	1.13	4.01
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	8370487	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	8370487	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	8370487	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	8370487	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	433117	20.0	8370487	1.379	13.79	40.72
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	8370487	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	8370487	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	8370487	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	308460	20.0	8370487	0.311	3.11	15.22
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	12784869	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	12784869	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	12784869	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	225116	20.0	12784869	0.160	1.60	5.52
47	Benzene	14DFB	SA	78.1	0.984	858606	20.0	12784869	0.341	3.41	10.92
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	12784869	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	12784869	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	12784869	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	298483	20.0	12784869	0.381	3.81	15.65
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	12784869	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	12784869	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	12784869	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	12784869	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	12784869	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	12784869	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	230772	20.0	12784869	0.277	2.77	11.36
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	12784869	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	7366584	20.0	12784869	3.161	31.61	119.23
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	12784869	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	12784869	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	12784869	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	12784869	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	12784869	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	192229	20.0	12784869	0.205	2.05	9.57
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	12784869	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	12784869	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	76128	20.0	12784869	0.072	0.72	4.89
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11552387	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11552387	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	3790735	20.0	11552387	1.650	16.50	71.78
75	m,p-Xylenes	d5CB	SA	106.2	0.842	4776668	20.0	11552387	2.456	24.56	106.84
76	Nonane	d5CB	SA	128.3	0.844	1416992	20.0	11552387	0.726	7.26	38.16
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	11552387	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11552387	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	1646022	20.0	11552387	0.828	8.28	36.03
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11552387	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11552387	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11552387	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	11552387	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	11552387	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	1283999	20.0	11552387	0.580	5.80	28.56
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	11552387	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	1996779	20.0	11552387	0.687	6.87	40.04
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11552387	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	1074411	20.0	11552387	0.440	4.40	21.68
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	11552387	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	11552387	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11552387	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	16360645	20.0	11552387	5.488	54.88	301.61
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11552387	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11552387	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	11552387	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11552387	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11552387	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	11552387	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	2263555	20.0	11552387	2.226	22.26	116.87
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	11552387	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11552387	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10837387	20.0	11552387	13.638	136.38	368.91
1	Pentafluorobenzene		IS			8370487	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			12784869	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11552387	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			7342418	5.0		2.551	102.05	102

File : C:\MSCHEM\1\DATA\08056B_3\2614420A.D
Operator : SW
Acquired : 5 Aug 126 9:00 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-206
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **21**

Client ID T-207

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 21

File Name: 2614421A.D
Description: T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.57	0.69	1.72	7.87	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	189.93	2.62	3.15	248.92	
74-87-3	Chloromethane	0.60	1.00	7.42	1.24	2.07	15.35	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.73	1.55	3.89	18.39	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	94.53	3.78	24.24	178.48	
107-02-8	Acrolein	0.40	1.20	10.55	0.92	2.76	24.24	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	79.02	4.76	5.71	188.03	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	5.54	1.97	12.31	13.63	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.67	2.34	7.02	15.60	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.16	1.18	3.54	21.16	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	4.05	0.98	4.89	19.80	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.60	4.48	6.40	5.12	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.51	3.02	3.77	5.71	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	2.77	1.74	4.35	12.03	
1330-20-7	m,p-Xylenes	0.40	1.00	3.15	1.74	4.35	13.69	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	2.43	1.74	4.35	10.56	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	8.78	4.40	13.19	48.24	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	2.01	2.10	10.50	10.56	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 21

File Name: 2614421A.D
Description T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	112.73	2.71	3.25	304.95	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 21

File Name: 2614421A.D
Description T-207
Canister: 694
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:53
Date Analyzed: 8/6/2026 **Time:** 12:32
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	21		
File Name:	2614421A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	10:53
Sample ID:	T-207	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	12:32
Anal Date:	6 Aug 126 12:32 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	694		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.457	1.69	42.00	211655
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	18.993	2.49	31.00	8133591
74-87-3	Chloromethane	5	SA	0.742	2.03	50.00	560037
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.473	2.44	94.00	168955
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	9.453	3.39	46.00	1004234
107-02-8	Acrolein	12	SA	1.055	3.75	56.00	138112
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	7.902	4.13	58.00	1723971
67-63-0	2-propanol (isopropylalcohc	15	SA	0.554	3.99	45.00	554717
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.267	3.51	142.00	50197
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.716	6.18	72.00	147106
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.405	5.83	83.00	**258815**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.160	6.49	78.00	231749
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.151	8.92	91.00	203301
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.277	10.94	106	310538
1330-20-7	m,p-Xylenes	75	SA	0.315	11.15	91.00	299155
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.243	11.74	91.00	235833
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.878	14.10	119.00	1279395
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.201	17.95	128.00	100028
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	11.273	1.81	51.00	4379874
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5399037**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7363056**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**5648098**
2037-26-5	Toluene-d8	61	SURR	2.408	8.85	98.00	**3991786**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 21
File Name: 2614421A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 694
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.46	4.57	7.87	4.57	7.87	7.87	7.87	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	18.99	189.93	248.92	189.93	248.92	248.92	248.92	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.74	7.42	15.35	7.42	15.35	15.35	15.35	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.47	4.73	18.39	4.73	18.39	18.39	18.39	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	9.45	94.53	178.48	94.53	178.48	178.48	178.48	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	1.05	10.55	24.24	10.55	24.24	24.24	24.24	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	7.90	79.02	188.03	79.02	188.03	188.03	188.03	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.55	5.54	13.63	5.54	13.63	13.63	13.63	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.27	2.67	15.60	2.67	15.60	15.60	15.60	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.72	7.16	21.16	7.16	21.16	21.16	21.16	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.40	4.05	19.80	4.05	19.80	19.80	19.80	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.16	1.60	5.12	1.60	5.12	5.12	5.12	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.15	1.51	5.71	1.51	5.71	5.71	5.71	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.28	2.77	12.03	2.77	12.03	12.03	12.03	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.31	3.15	13.69	3.15	13.69	13.69	13.69	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.24	2.43	10.56	2.43	10.56	10.56	10.56	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.88	8.78	48.24	8.78	48.24	48.24	48.24	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.20	2.01	10.56	2.01	10.56	10.56	10.56	0.100	0.500	0.40	2.10	2.00	10.50	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	11.27	112.73	304.95	112.73	304.95	304.95	304.95	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.41	96	96	96	96	96	96	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.57	7.87
ND		ND		Y	0.00	0.00
		=		Y	189.93	248.92
		=		Y	7.42	15.35
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	4.73	18.39
ND		ND		Y	0.00	0.00
		=		Y	94.53	178.48
		=		Y	10.55	24.24
ND		ND		Y	0.00	0.00
		=		Y	79.02	188.03
		=		Y	5.54	13.63
ND		ND		Y	0.00	0.00
		=		Y	2.67	15.60
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	7.16	21.16
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.05	19.80
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.60	5.12
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.51	5.71
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.77	12.03
	=	Y	3.15	13.69
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.43	10.56
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.78	48.24
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.01	10.56
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	112.73	304.95
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**21**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

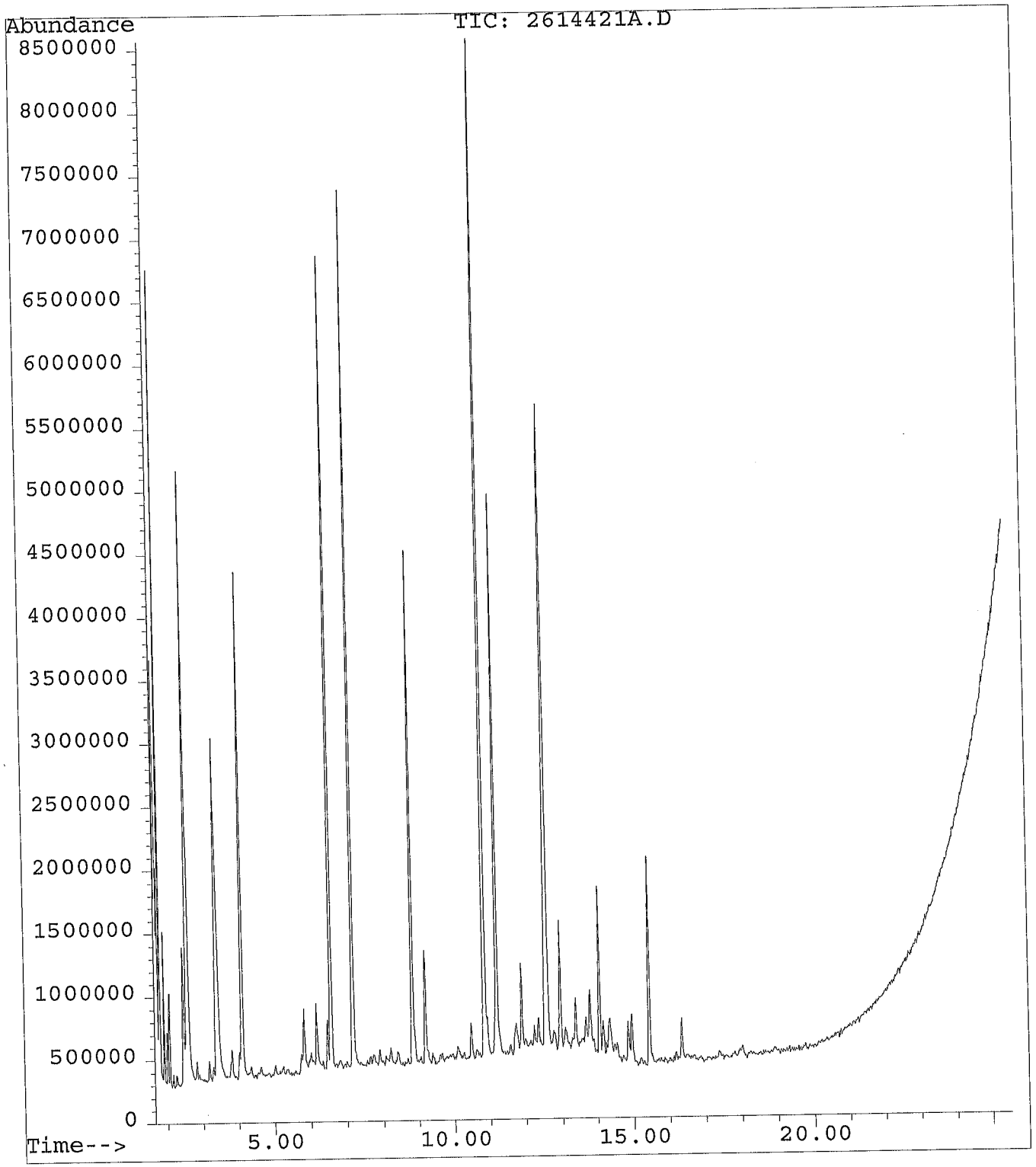
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	211655	20.0	5399037	0.457	4.57	7.87
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5399037	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	8133591	20.0	5399037	18.993	189.93	248.92
5	Chloromethane	PFB	SA	50.5	0.699	560037	20.0	5399037	0.742	7.42	15.35
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5399037	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5399037	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5399037	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	168955	20.0	5399037	0.473	4.73	18.39
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5399037	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1004234	20.0	5399037	9.453	94.53	178.48
12	Acrolein	PFB	SA	56.1	0.121	138112	20.0	5399037	1.055	10.55	24.24
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5399037	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	1723971	20.0	5399037	7.902	79.02	188.03
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	554717	20.0	5399037	0.554	5.54	13.63
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5399037	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	50197	20.0	5399037	0.267	2.67	15.60
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5399037	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5399037	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5399037	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5399037	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5399037	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5399037	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5399037	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5399037	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5399037	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5399037	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5399037	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5399037	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	147106	20.0	5399037	0.716	7.16	21.16
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5399037	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	5399037	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5399037	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5399037	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5399037	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5399037	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5399037	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5399037	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5399037	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5399037	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	258815	20.0	5399037	0.405	4.05	19.80
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7363056	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7363056	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7363056	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7363056	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	231749	20.0	7363056	0.160	1.60	5.12
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7363056	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7363056	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7363056	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7363056	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7363056	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7363056	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7363056	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7363056	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7363056	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7363056	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7363056	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7363056	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	203301	20.0	7363056	0.151	1.51	5.71
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7363056	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7363056	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7363056	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7363056	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7363056	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7363056	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7363056	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7363056	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7363056	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	5648098	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	5648098	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	310538	20.0	5648098	0.277	2.77	12.03
75	m,p-Xylenes	d5CB	SA	106.2	0.842	299155	20.0	5648098	0.315	3.15	13.69
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	5648098	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	5648098	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	5648098	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	235833	20.0	5648098	0.243	2.43	10.56
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	5648098	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	5648098	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	5648098	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	5648098	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	5648098	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	5648098	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	5648098	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	5648098	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	5648098	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	5648098	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	5648098	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	5648098	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	5648098	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	1279395	20.0	5648098	0.878	8.78	48.24
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	5648098	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	5648098	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	5648098	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	5648098	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	5648098	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	5648098	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	100028	20.0	5648098	0.201	2.01	10.56
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	5648098	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	5648098	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	4379874	20.0	5648098	11.273	112.73	304.95
1	Pentafluorobenzene		IS			5399037	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7363056	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			5648098	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3991786	5.0		2.408	96.34	96

File : C:\MSCHEM\1\DATA\08066B_3\2614421A.D
Operator : KL
Acquired : 6 Aug 126 12:32 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-207
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 22

Client ID T-208

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 22

File Name: 2614422A.D
Description: T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	227.33	0.69	1.72	391.78	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.24	2.62	3.15	5.56	
74-87-3	Chloromethane	0.60	1.00	23.44	1.24	2.07	48.47	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	20.67	1.55	3.89	80.33	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	8.72	3.78	24.24	16.46	J
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	56.45	4.76	5.71	134.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	5.39	2.34	7.02	31.53	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.97	1.41	3.53	6.96	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	17.29	0.59	3.54	51.06	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	2.27	0.79	3.97	8.99	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.67	0.69	3.45	5.77	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	4.16	1.64	4.10	17.07	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.65	0.54	5.38	14.24	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	93.11	3.02	3.77	351.19	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	7.06	1.87	4.68	33.03	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	8.26	0.68	6.79	56.06	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	95.03	1.74	4.35	413.32	
1330-20-7	m,p-Xylenes	0.40	1.00	127.11	1.74	4.35	552.85	
111-84-2	Nonane	0.40	1.00	26.15	2.10	5.25	137.38	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	45.01	1.74	4.35	195.76	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	8.04	3.94	13.78	39.56	
622-96-8	4-Ethyltoluene	0.80	6.40	20.44	3.94	31.51	100.63	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	6.50	3.94	17.72	31.99	
124-18-5	Decane	0.80	2.40	19.63	4.66	13.99	114.42	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	13.24	3.94	17.72	65.16	
538-93-2	i-Butylbenzene	0.80	2.40	20.06	4.40	13.19	110.27	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	99.15	4.40	13.19	544.93	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	7.12	2.10	10.50	37.40	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 22

File Name: 2614422A.D
Description T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	96.03	2.71	3.25	259.77	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 22

File Name: 2614422A.D
Description T-208
Canister: 526
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 10:45
Date Analyzed: 8/6/2026 **Time:** 13:14
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	112.70	28.67	61.43	461.56
BUTANE	7.00	15.00	106.90	28.67	61.43	437.81
BUTANE, 2-METHYL-	7.00	15.00	34.20	28.67	61.43	140.07
.ALPHA.-PINENE	7.00	15.00	112.40	28.67	61.43	460.33
UNKNOWN SILOXANE	7.00	15.00	66.20	28.67	61.43	271.12
3-CARENE	7.00	15.00	29.10	28.67	61.43	119.18

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	22		
File Name:	2614422A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	10:45
Sample ID:	T-208	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	13:14
Anal Date:	6 Aug 126 1:14 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	526		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	22.733	1.69	42.00	6341026
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.424	2.49	31.00	109287
74-87-3	Chloromethane	5	SA	2.344	2.03	50.00	1064442
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	2.067	2.44	94.00	444248
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.872	3.39	46.00	55773
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	5.645	4.13	58.00	741400
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.539	3.51	142.00	105315
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.197	4.33	57.00	136580
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	1.729	6.18	72.00	210852
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.227	5.54	96.00	59120
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.167	5.78	56.00	190504
71-43-2	Benzene	47	SA	0.114	6.49	78.00	232817
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.416	6.49	71.00	263812
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.265	6.49	130.00	199565
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	9.311	8.92	91.00	17584505
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.706	8.72	85.00	537460
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.826	9.41	166.00	706747
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	9.503	10.94	106	16721726
1330-20-7	m,p-Xylenes	75	SA	12.711	11.15	91.00	18934867
111-84-2	Nonane	76	SA	2.615	10.86	57.00	3908007
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	4.501	11.76	91.00	6850731
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.804	12.24	105.00	1221644
622-96-8	4-Ethyltoluene	85	SA	2.044	13.00	105.00	3465885
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.650	13.12	105.00	1183139
124-18-5	Decane	87	SA	1.963	12.85	57.00	4370756
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	1.324	13.71	105.00	2474078
538-93-2	i-Butylbenzene	90	SA	2.006	13.89	91.00	5771583
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	9.915	14.10	119.00	22643868
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.712	17.95	128.00	554951
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.36	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	9.603	1.83	51.00	5845954
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3250428**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10360759**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8849744**
2037-26-5	Toluene-d8	61	SURR	2.276	8.85	98.00	**5308790**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 22
File Name: 2614422A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 526
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	22.73	227.33	391.78	227.33	391.78	391.78	391.78	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.42	4.24	5.56	4.24	5.56	5.56	5.56	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	2.34	23.44	48.47	23.44	48.47	48.47	48.47	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	2.07	20.67	80.33	20.67	80.33	80.33	80.33	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.87	8.72	16.46	8.72	16.46	16.46	16.46	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	5.64	56.45	134.32	56.45	134.32	134.32	134.32	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.54	5.39	31.53	5.39	31.53	31.53	31.53	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.20	1.97	6.96	1.97	6.96	6.96	6.96	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	1.73	17.29	51.06	17.29	51.06	51.06	51.06	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.23	2.27	8.99	2.27	8.99	8.99	8.99	0.050	0.250	0.20	0.79	1.00	3.97	
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.17	1.67	5.77	1.67	5.77	5.77	5.77	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.11	1.14	3.65	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.42	4.16	17.07	4.16	17.07	17.07	17.07	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.26	2.65	14.24	2.65	14.24	14.24	14.24	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	9.31	93.11	351.19	93.11	351.19	351.19	351.19	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.71	7.06	33.03	7.06	33.03	33.03	33.03	0.100	0.250	0.40	1.87	1.00	4.68	
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.83	8.26	56.06	8.26	56.06	56.06	56.06	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	9.50	95.03	413.32	95.03	413.32	413.32	413.32	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	12.71	127.11	552.85	127.11	552.85	552.85	552.85	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	2.61	26.15	137.38	26.15	137.38	137.38	137.38	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	4.50	45.01	195.76	45.01	195.76	195.76	195.76	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.80	8.04	39.56	8.04	39.56	39.56	39.56	0.200	0.700	0.80	3.94	2.80	13.78	
4-Ethyltoluene	120.2	2.04	20.44	100.63	20.44	100.63	100.63	100.63	0.200	1.600	0.80	3.94	6.40	31.51	
1,3,5-Trimethylbenzene	120.2	0.65	6.50	31.99	6.50	31.99	31.99	31.99	0.200	0.900	0.80	3.94	3.60	17.72	
Decane	142.3	1.96	19.63	114.42	19.63	114.42	114.42	114.42	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	1.32	13.24	65.16	13.24	65.16	65.16	65.16	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	2.01	20.06	110.27	20.06	110.27	110.27	110.27	0.200	0.600	0.80	4.40	2.40	13.19	
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	9.91	99.15	544.93	99.15	544.93	544.93	544.93	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.71	7.12	37.40	7.12	37.40	37.40	37.40	0.100	0.500	0.40	2.10	2.00	10.50	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	9.60	96.03	259.77	96.03	259.77	259.77	259.77	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.28	91	91	91	91	91	91	91	91	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	227.33	391.78
ND		ND		Y	0.00	0.00
		=		Y	4.24	5.56
		=		Y	23.44	48.47
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	20.67	80.33
ND		ND		Y	0.00	0.00
J		=		Y	8.72	16.46
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	56.45	134.32
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	5.39	31.53
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.97	6.96
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	17.29	51.06
ND	ND	Y	0.00	0.00
	=	Y	2.27	8.99
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.67	5.77
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.16	17.07
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.65	14.24
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	93.11	351.19
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
	=	Y	7.06	33.03
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.26	56.06
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	95.03	413.32
	=	Y	127.11	552.85
	=	Y	26.15	137.38
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	45.01	195.76
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.04	39.56
	=	Y	20.44	100.63
	=	Y	6.50	31.99
	=	Y	19.63	114.42
ND	ND	Y	0.00	0.00
	=	Y	13.24	65.16
	=	Y	20.06	110.27
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	99.15	544.93
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	7.12	37.40
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	96.03	259.77
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**22**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum (Astdni) (Cistdi) / (Cstdni) (Aistdi) i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

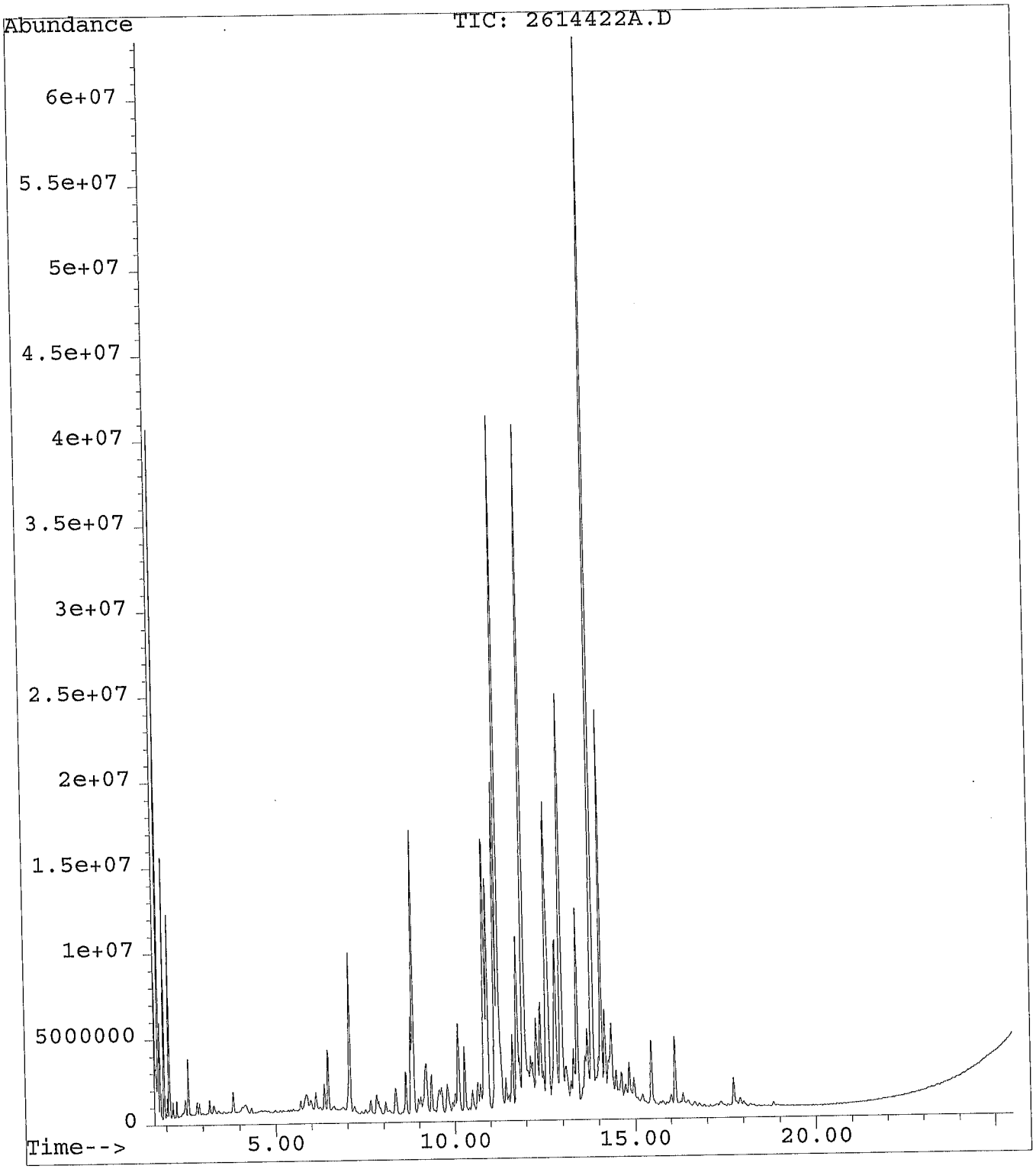
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	6341026	20.0	3250428	22.733	227.33	391.78
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	3250428	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	109287	20.0	3250428	0.424	4.24	5.56
5	Chloromethane	PFB	SA	50.5	0.699	1064442	20.0	3250428	2.344	23.44	48.47
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	3250428	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	3250428	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	3250428	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	444248	20.0	3250428	2.067	20.67	80.33
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	3250428	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	55773	20.0	3250428	0.872	8.72	16.46
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	3250428	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	3250428	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	741400	20.0	3250428	5.645	56.45	134.32
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	3250428	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	3250428	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	105315	20.0	3250428	0.539	5.39	31.53
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	3250428	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	3250428	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	3250428	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	3250428	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	3250428	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	3250428	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	3250428	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	3250428	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	3250428	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	3250428	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	3250428	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	3250428	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	3250428	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	3250428	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	136580	20.0	3250428	0.197	1.97	6.96
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	3250428	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	3250428	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	3250428	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	3250428	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	210852	20.0	3250428	1.729	17.29	51.06
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	3250428	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	59120	20.0	3250428	0.227	2.27	8.99
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	3250428	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	3250428	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10360759	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10360759	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10360759	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	190504	20.0	10360759	0.167	1.67	5.77
47	Benzene	14DFB	SA	78.1	0.984	232817	20.0	10360759	0.114	1.14	3.65
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10360759	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10360759	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10360759	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	263812	20.0	10360759	0.416	4.16	17.07
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10360759	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10360759	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10360759	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	199565	20.0	10360759	0.265	2.65	14.24
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10360759	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10360759	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10360759	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10360759	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	17584505	20.0	10360759	9.311	93.11	351.19
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10360759	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10360759	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10360759	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	10360759	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10360759	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	537460	20.0	10360759	0.706	7.06	33.03
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10360759	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10360759	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	706747	20.0	10360759	0.826	8.26	56.06
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8849744	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8849744	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	16721726	20.0	8849744	9.503	95.03	413.32
75	m,p-Xylenes	d5CB	SA	106.2	0.842	18934867	20.0	8849744	12.711	127.11	552.85
76	Nonane	d5CB	SA	128.3	0.844	3908007	20.0	8849744	2.615	26.15	137.38
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8849744	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8849744	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	6850731	20.0	8849744	4.501	45.01	195.76
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8849744	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8849744	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8849744	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8849744	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	1221644	20.0	8849744	0.804	8.04	39.56
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	3465885	20.0	8849744	2.044	20.44	100.63
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	1183139	20.0	8849744	0.650	6.50	31.99
87	Decane	d5CB	SA	142.3	1.258	4370756	20.0	8849744	1.963	19.63	114.42
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8849744	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	2474078	20.0	8849744	1.324	13.24	65.16
90	i-Butylbenzene	d5CB	SA	134.2	1.625	5771583	20.0	8849744	2.006	20.06	110.27

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8849744	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8849744	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	22643868	20.0	8849744	9.915	99.15	544.93
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8849744	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8849744	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8849744	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8849744	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8849744	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8849744	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	554951	20.0	8849744	0.712	7.12	37.40
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8849744	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8849744	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	5845954	20.0	8849744	9.603	96.03	259.77
1	Pentafluorobenzene		IS			3250428	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10360759	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8849744	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5308790	5.0		2.276	91.05	91

File : C:\MSCHEM\1\DATA\08066B_3\2614422A.D
Operator : KL
Acquired : 6 Aug 126 1:14 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-208
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **23**

Client ID T-209

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 23

File Name: 2614423A.D
Description: T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	2.38	1.24	2.07	4.92	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.02	1.55	3.89	7.85	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	1.67	0.92	2.76	3.83	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.41	4.76	5.71	22.38	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.01	2.34	7.02	11.76	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.16	1.18	3.54	12.29	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	1.31	1.41	7.05	4.62	J
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.31	2.10	10.50	6.86	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 23

File Name: 2614423A.D
Description T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	118.09	2.71	3.25	319.43	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 23

File Name: 2614423A.D
Description T-209
Canister: 856
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:02
Date Analyzed: 8/6/2026 **Time:** 13:49
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	23		
File Name:	2614423A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	12:02
Sample ID:	T-209	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	13:49
Anal Date:	6 Aug 126 1:49 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	856		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	45924
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.238	2.03	50.00	297669
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.202	2.44	94.00	119602
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.167	3.75	56.00	36243
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.941	4.13	58.00	340410
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.201	3.51	142.00	31686
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.416	6.18	72.00	141794
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.131	5.98	55.00	113124
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.120	6.49	78.00	240252
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.78	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.131	17.95	128.00	102537
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	11.809	1.74	51.00	7242747
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**8957163**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10182032**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8916426**
2037-26-5	Toluene-d8	61	SURR	2.241	8.85	98.00	**5136633**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 23
File Name: 2614423A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 856
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.24	2.38	4.92	2.38	4.92	4.92	4.92	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.20	2.02	7.85	2.02	7.85	7.85	7.85	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.17	1.67	3.83	1.67	3.83	3.83	3.83	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.94	9.41	22.38	9.41	22.38	22.38	22.38	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	2.01	11.76	2.01	11.76	11.76	11.76	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.42	4.16	12.29	4.16	12.29	12.29	12.29	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.13	1.31	4.62	1.31	4.62	4.62	4.62	0.100	0.500	0.40	1.41	2.00	7.05	J
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.12	1.20	3.84	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.13	1.31	6.86	1.31	6.86	6.86	6.86	0.100	0.500	0.40	2.10	2.00	10.50	J
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	11.81	118.09	319.43	118.09	319.43	319.43	319.43	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.24	90	90	90	90	90	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.38	4.92
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.02	7.85
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.67	3.83
ND		ND		Y	0.00	0.00
		=		Y	9.41	22.38
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.01	11.76
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	=	Y	4.16	12.29	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	J	Y	1.31	4.62	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.31	6.86
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	118.09	319.43
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**23**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = $\sum_i \frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

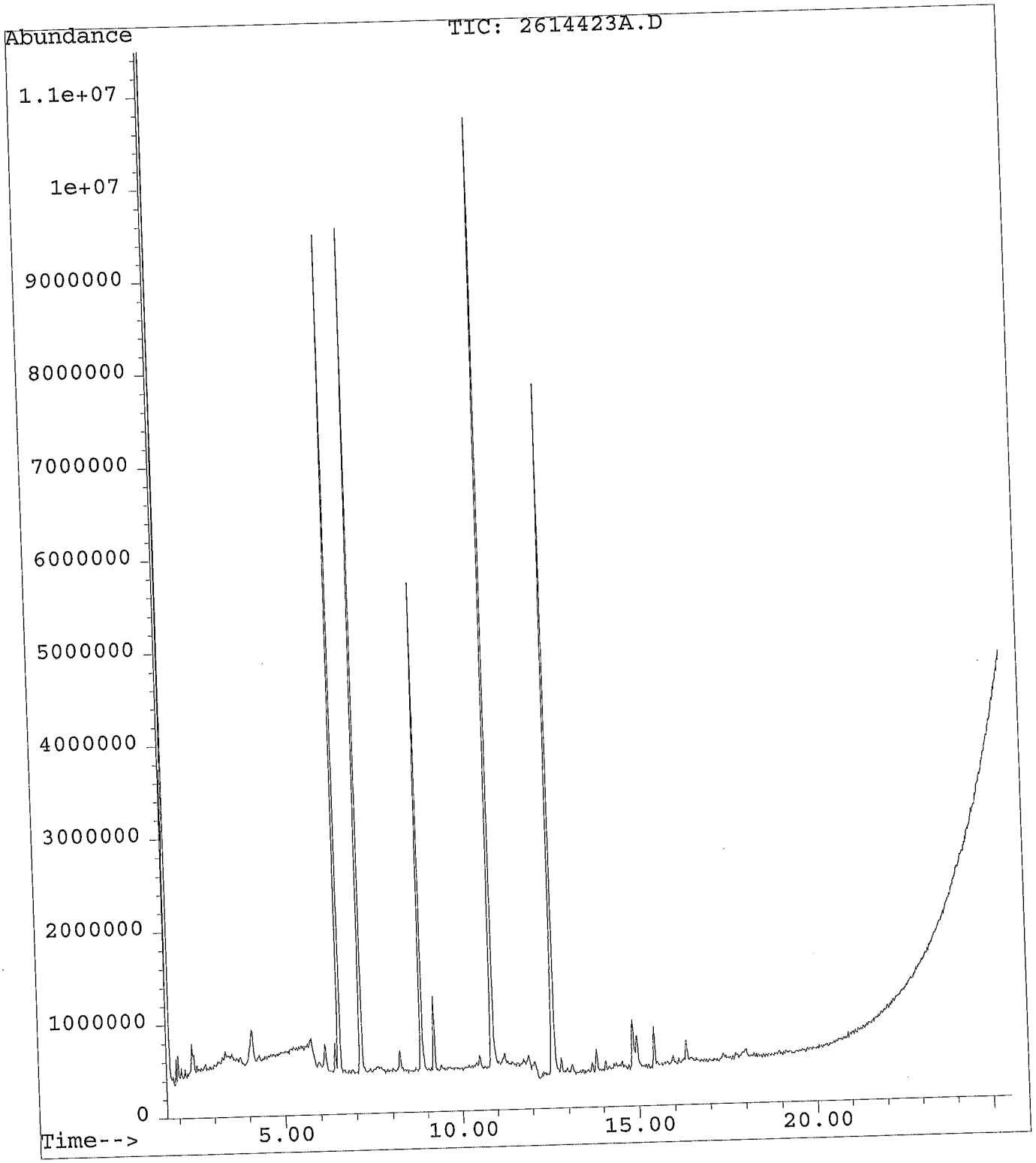
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	0	20.0	8957163	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	45924	20.0	8957163	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	8957163	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	297669	20.0	8957163	0.238	2.38	4.92
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	8957163	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	8957163	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	8957163	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	119602	20.0	8957163	0.202	2.02	7.85
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	8957163	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	8957163	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	36243	20.0	8957163	0.167	1.67	3.83
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	8957163	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	340410	20.0	8957163	0.941	9.41	22.38
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	8957163	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	8957163	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	31686	20.0	8957163	0.201	2.01	11.76
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	8957163	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	8957163	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	8957163	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	8957163	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	8957163	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	8957163	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	8957163	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	8957163	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	8957163	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	8957163	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	8957163	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	8957163	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	141794	20.0	8957163	0.416	4.16	12.29
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	8957163	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	8957163	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	8957163	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	8957163	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	8957163	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	113124	20.0	8957163	0.131	1.31	4.62
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	8957163	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	8957163	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	8957163	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	8957163	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	8957163	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10182032	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10182032	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10182032	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10182032	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	240252	20.0	10182032	0.120	1.20	3.84
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10182032	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10182032	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10182032	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10182032	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10182032	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10182032	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10182032	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10182032	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10182032	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10182032	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10182032	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10182032	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10182032	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10182032	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10182032	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10182032	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	10182032	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10182032	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10182032	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10182032	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10182032	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10182032	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8916426	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8916426	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8916426	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8916426	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8916426	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8916426	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8916426	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8916426	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8916426	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8916426	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8916426	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8916426	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8916426	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8916426	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8916426	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8916426	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8916426	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8916426	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8916426	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8916426	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8916426	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8916426	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8916426	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8916426	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8916426	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8916426	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8916426	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8916426	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	102537	20.0	8916426	0.131	1.31	6.86
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8916426	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8916426	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	7242747	20.0	8916426	11.809	118.09	319.43
1	Pentafluorobenzene		IS			8957163	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10182032	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8916426	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5136633	5.0		2.241	89.65	90

File : C:\MSCHEM\1\DATA\08066B_3\2614423A.D
Operator : KL
Acquired : 6 Aug 126 1:49 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-209
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **24**

Client ID T-210

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 24**

File Name: 2614424A.D **Date Sampled:** 7/21/2026 **Time:** 12:14
Description: T-210 **Date Analyzed:** 8/6/2026 **Time:** 14:25
Canister: 679 **Can Dilution Factor:** 1.00
QC_Batch: 080626-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.91	0.69	1.72	3.29	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	132.49	2.62	3.15	173.63	
74-87-3	Chloromethane	0.60	1.00	3.34	1.24	2.07	6.91	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.50	1.55	3.89	9.74	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.54	3.78	24.24	36.90	
107-02-8	Acrolein	0.40	1.20	6.14	0.92	2.76	14.12	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	25.84	4.76	5.71	61.49	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.95	1.97	12.31	4.80	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.07	2.34	7.02	12.14	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 24

File Name: 2614424A.D
Description T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	104.95	2.71	3.25	283.89	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 24

File Name: 2614424A.D
Description T-210
Canister: 679
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:14
Date Analyzed: 8/6/2026 **Time:** 14:25
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	24		
File Name:	2614424A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	12:14
Sample ID:	T-210	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	14:25
Anal Date:	6 Aug 126 2:25 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	679		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.191	1.69	42.00	122562
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	62778
67-56-1	Methanol	4	SA	13.249	2.49	31.00	7871132
74-87-3	Chloromethane	5	SA	0.334	2.03	50.00	349738
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.250	2.44	94.00	124071
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.954	3.39	46.00	288063
107-02-8	Acrolein	12	SA	0.614	3.75	56.00	111598
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	2.584	4.13	58.00	782171
67-63-0	2-propanol (isopropylalcohc	15	SA	0.195	3.99	45.00	270908
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.207	3.51	142.00	30736
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.129	6.49	78.00	240726
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.002	8.09	88.00	962
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	-0.004	11.15	91.00	-5480
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	10.495	1.81	51.00	5671016
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7490427**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9517374**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7855525**
2037-26-5	Toluene-d8	61	SURR	2.411	8.85	98.00	**5165984**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 24
File Name: 2614424A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 679
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.19	1.91	3.29	1.91	3.29	3.29	3.29	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	13.25	132.49	173.63	132.49	173.63	173.63	173.63	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.33	3.34	6.91	3.34	6.91	6.91	6.91	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.25	2.50	9.74	2.50	9.74	9.74	9.74	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.95	19.54	36.90	19.54	36.90	36.90	36.90	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.61	6.14	14.12	6.14	14.12	14.12	14.12	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	2.58	25.84	61.49	25.84	61.49	61.49	61.49	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.19	1.95	4.80	1.95	4.80	4.80	4.80	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.21	2.07	12.14	2.07	12.14	12.14	12.14	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.29	4.11	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.02	0.09	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	-0.04	-0.18	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	10.49	104.95	283.89	104.95	283.89	283.89	283.89	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.41	96	96	96	96	96	96	96	2.5	
0										
0										
0										

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.91	3.29
ND		ND		Y	0.00	0.00
		=		Y	132.49	173.63
		=		Y	3.34	6.91
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.50	9.74
ND		ND		Y	0.00	0.00
		=		Y	19.54	36.90
		=		Y	6.14	14.12
ND		ND		Y	0.00	0.00
		=		Y	25.84	61.49
J		=		Y	1.95	4.80
ND		ND		Y	0.00	0.00
		=		Y	2.07	12.14
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**24**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

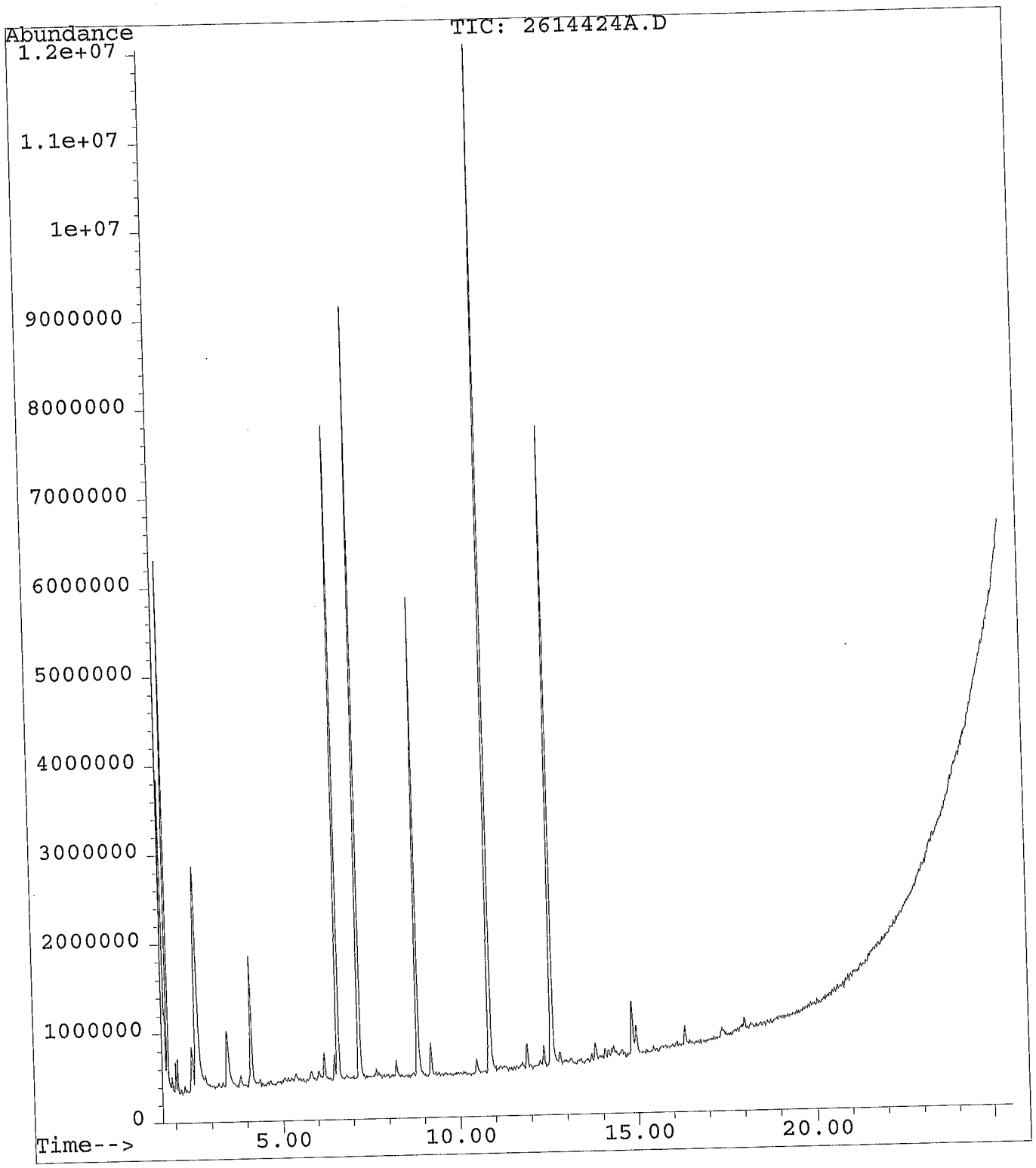
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	122562	20.0	7490427	0.191	1.91	3.29
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	62778	20.0	7490427	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	7871132	20.0	7490427	13.249	132.49	173.63
5	Chloromethane	PFB	SA	50.5	0.699	349738	20.0	7490427	0.334	3.34	6.91
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7490427	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7490427	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7490427	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	124071	20.0	7490427	0.250	2.50	9.74
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7490427	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	288063	20.0	7490427	1.954	19.54	36.90
12	Acrolein	PFB	SA	56.1	0.121	111598	20.0	7490427	0.614	6.14	14.12
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7490427	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	782171	20.0	7490427	2.584	25.84	61.49
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	270908	20.0	7490427	0.195	1.95	4.80
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	7490427	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	30736	20.0	7490427	0.207	2.07	12.14
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7490427	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7490427	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7490427	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7490427	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7490427	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7490427	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7490427	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7490427	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7490427	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7490427	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7490427	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7490427	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	7490427	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7490427	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	7490427	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7490427	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7490427	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7490427	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7490427	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7490427	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7490427	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7490427	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7490427	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	7490427	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9517374	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9517374	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9517374	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9517374	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	240726	20.0	9517374	0.129	1.29	4.11
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9517374	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9517374	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9517374	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9517374	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9517374	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	962	20.0	9517374	0.002	0.02	0.09
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9517374	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	9517374	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9517374	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9517374	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9517374	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9517374	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	9517374	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9517374	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9517374	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9517374	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	9517374	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9517374	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9517374	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9517374	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9517374	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9517374	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7855525	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7855525	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7855525	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	-5480	20.0	7855525	-0.004	-0.04	-0.18
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7855525	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7855525	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7855525	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7855525	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7855525	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7855525	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7855525	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7855525	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7855525	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7855525	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7855525	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7855525	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7855525	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7855525	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7855525	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7855525	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7855525	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7855525	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7855525	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7855525	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7855525	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7855525	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7855525	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7855525	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7855525	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7855525	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7855525	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	5671016	20.0	7855525	10.495	104.95	283.89
1	Pentafluorobenzene		IS			7490427	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9517374	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7855525	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5165984	5.0		2.411	96.45	96

File : C:\MSCHEM\1\DATA\08066B_3\2614424A.D
Operator : KL
Acquired : 6 Aug 126 2:25 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-210
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **25**

Client ID T-211

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 25

File Name: 2614425A.D
Description: T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.70	0.69	1.72	2.94	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.19	2.62	3.15	13.35	
74-87-3	Chloromethane	0.60	1.00	2.25	1.24	2.07	4.65	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	2.43	3.78	24.24	4.59	J
107-02-8	Acrolein	0.40	1.20	3.08	0.92	2.76	7.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	11.19	4.76	5.71	26.62	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.84	2.34	7.02	10.80	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.21	1.18	3.54	6.53	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	1.30	4.40	13.19	7.13	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 1
Analytical Method: TO-15 **Laboratory ID:** 25

File Name: 2614425A.D
Description T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	98.94	2.71	3.25	267.63	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 25

File Name: 2614425A.D
Description T-211
Canister: 762
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:10
Date Analyzed: 8/6/2026 **Time:** 16:36
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	25		
File Name:	2614425A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	12:10
Sample ID:	T-211	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	16:36
Anal Date:	6 Aug 126 4:36 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	762		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.170	1.69	42.00	152201
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	60355
67-56-1	Methanol	4	SA	1.019	2.49	31.00	840851
74-87-3	Chloromethane	5	SA	0.225	2.03	50.00	326909
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.243	3.39	46.00	49734
107-02-8	Acrolein	12	SA	0.308	3.75	56.00	77640
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.119	4.13	58.00	470411
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.184	3.51	142.00	21674
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.221	6.18	72.00	87534
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.117	6.49	78.00	338734
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.76	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.130	14.10	119.00	471723
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	9.894	1.85	51.00	9587054
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**10404720**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**14731444**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**14087121**
2037-26-5	Toluene-d8	61	SURR	2.497	8.85	98.00	**8281173**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 25
File Name: 2614425A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 762
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.17	1.70	2.94	1.70	2.94	2.94	2.94	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.02	10.19	13.35	10.19	13.35	13.35	13.35	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.22	2.25	4.65	2.25	4.65	4.65	4.65	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.24	2.43	4.59	2.43	4.59	4.59	4.59	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.31	3.08	7.07	3.08	7.07	7.07	7.07	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.12	11.19	26.62	11.19	26.62	26.62	26.62	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.18	1.84	10.80	1.84	10.80	10.80	10.80	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.22	2.21	6.53	2.21	6.53	6.53	6.53	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.12	1.17	3.74	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.13	1.30	7.13	1.30	7.13	7.13	7.13	0.200	0.600	0.80	4.40	2.40	13.19	J
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	9.89	98.94	267.63	98.94	267.63	267.63	267.63	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.50	100	100	100	100	100	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.70	2.94
ND		ND		Y	0.00	0.00
		=		Y	10.19	13.35
		=		Y	2.25	4.65
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	2.43	4.59
		=		Y	3.08	7.07
ND		ND		Y	0.00	0.00
		=		Y	11.19	26.62
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.84	10.80
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**25**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

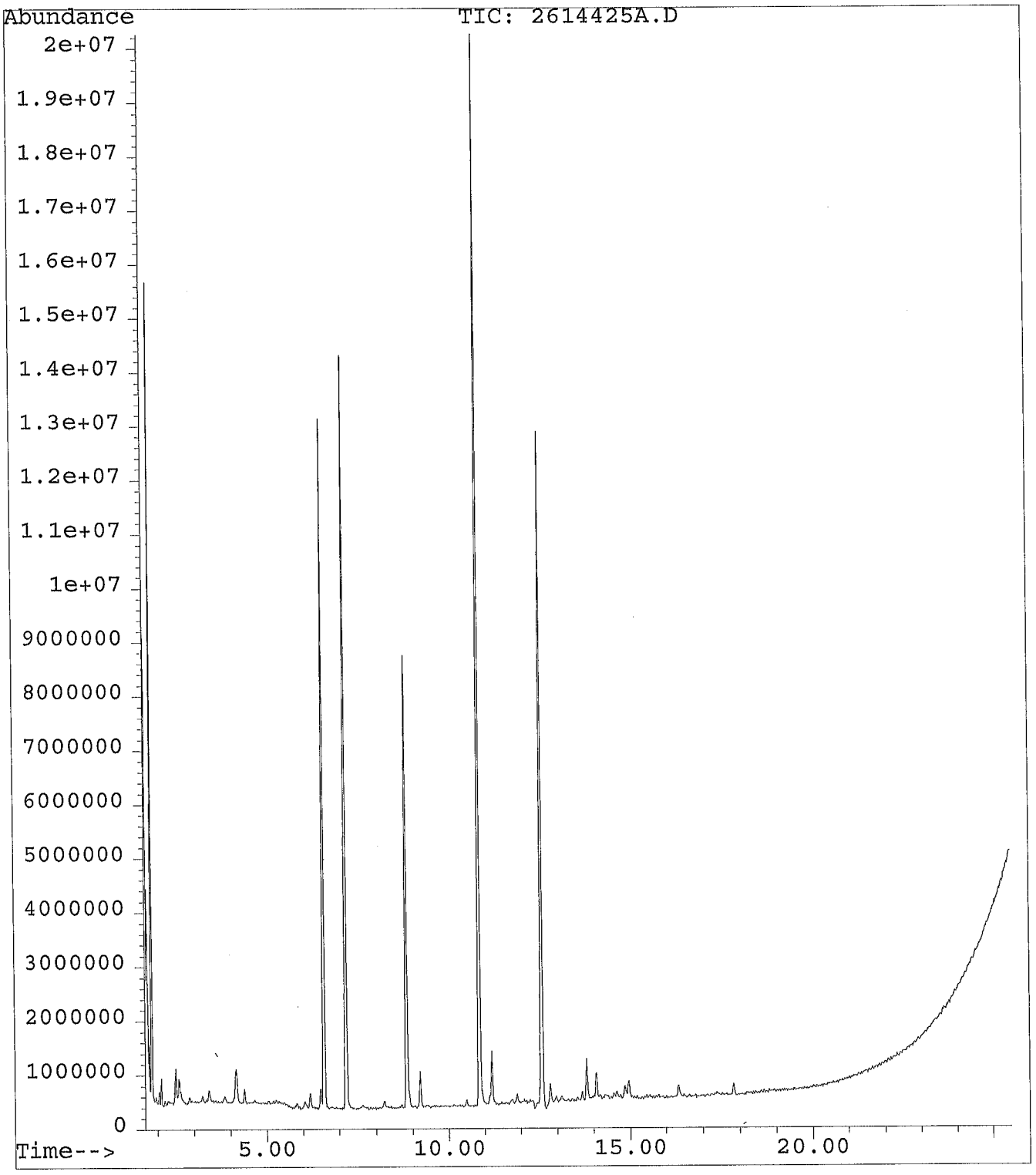
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	152201	20.0	10404720	0.170	1.70	2.94
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	60355	20.0	10404720	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	840851	20.0	10404720	1.019	10.19	13.35
5	Chloromethane	PFB	SA	50.5	0.699	326909	20.0	10404720	0.225	2.25	4.65
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	10404720	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	10404720	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	10404720	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	10404720	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	10404720	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	49734	20.0	10404720	0.243	2.43	4.59
12	Acrolein	PFB	SA	56.1	0.121	77640	20.0	10404720	0.308	3.08	7.07
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	10404720	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	470411	20.0	10404720	1.119	11.19	26.62
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	10404720	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	10404720	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	21674	20.0	10404720	0.184	1.84	10.80
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	10404720	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	10404720	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	10404720	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	10404720	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	10404720	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	10404720	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	10404720	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	10404720	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	10404720	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	10404720	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	10404720	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	10404720	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	87534	20.0	10404720	0.221	2.21	6.53
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	10404720	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	10404720	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	10404720	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	10404720	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	10404720	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	10404720	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	10404720	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	10404720	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	10404720	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	10404720	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	10404720	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	14731444	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	14731444	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	14731444	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	14731444	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	338734	20.0	14731444	0.117	1.17	3.74
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	14731444	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	14731444	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	14731444	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	14731444	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	14731444	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	14731444	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	14731444	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	14731444	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	14731444	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	14731444	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	14731444	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	14731444	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	14731444	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	14731444	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	14731444	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	14731444	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	14731444	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	14731444	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	14731444	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	14731444	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	14731444	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	14731444	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	14087121	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	14087121	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	14087121	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	14087121	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	14087121	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	14087121	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	14087121	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	14087121	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	14087121	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	14087121	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	14087121	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	14087121	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	14087121	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	14087121	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	14087121	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	14087121	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	14087121	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	14087121	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	14087121	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	14087121	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	14087121	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	471723	20.0	14087121	0.130	1.30	7.13
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	14087121	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	14087121	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	14087121	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	14087121	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	14087121	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	14087121	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	14087121	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	14087121	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	14087121	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9587054	20.0	14087121	9.894	98.94	267.63
1	Pentafluorobenzene		IS			10404720	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			14731444	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			14087121	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			8281173	5.0		2.497	99.89	100

File : C:\MSCHEM\1\DATA\08066B_3\2614425A.D
Operator : SW
Acquired : 6 Aug 126 4:36 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-211
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 26

Client ID T-212

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 26**

File Name:	2614426A.D	**Date Sampled:**	7/21/2026	**Time:**	12:15
Description:	T-212	**Date Analyzed:**	8/6/2026	**Time:**	17:12
Canister:	710	**Can Dilution Factor:**	1.00		
QC_Batch:	080626-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	26.85	0.69	1.72	46.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	107.56	2.62	3.15	140.96	
74-87-3	Chloromethane	0.60	1.00	10.54	1.24	2.07	21.81	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	4.06	2.80	7.00	28.41	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.06	1.55	3.89	15.80	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.29	3.78	24.24	43.97	
107-02-8	Acrolein	0.40	1.20	9.97	0.92	2.76	22.92	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	79.78	4.76	5.71	189.84	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.49	1.97	12.31	20.90	
75-65-0	t-Butyl alcohol	0.40	4.00	7.80	1.21	12.14	23.67	
4227-95-6	Methyl iodide	0.40	1.20	3.12	2.34	7.02	18.25	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	8.90	1.18	3.54	26.28	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.59	1.41	3.53	9.14	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	2.50	0.69	3.45	8.63	
71-43-2	Benzene	1.40	2.00	3.80	4.48	6.40	12.15	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	1.67	0.94	4.68	7.82	
142-82-5	n-Heptane	0.40	1.00	4.62	1.64	4.10	18.95	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.22	0.54	5.38	11.94	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	80.35	3.02	3.77	303.09	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	2.14	0.68	6.79	14.56	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	89.32	1.74	4.35	388.49	
1330-20-7	m,p-Xylenes	0.40	1.00	108.49	1.74	4.35	471.89	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	2.18	2.56	4.27	9.29	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	81.75	1.74	4.35	355.57	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	15.52	3.94	13.78	76.39	
98-82-8	Isopropylbenzene	0.80	2.80	20.92	3.94	13.78	103.01	
622-96-8	4-Ethyltoluene	0.80	6.40	55.88	3.94	31.51	275.06	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	25.56	3.94	17.72	125.81	
124-18-5	Decane	0.80	2.40	14.72	4.66	13.99	85.79	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	51.67	3.94	17.72	254.34	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	28.73	4.40	13.19	157.92	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	4.66	2.10	10.50	24.46	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 1
Laboratory ID: 26

File Name: 2614426A.D
Description: T-212
Canister: 710
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:15
Date Analyzed: 8/6/2026 **Time:** 17:12
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.87	2.71	3.25	451.39	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 26

File Name: 2614426A.D
Description: T-212
Canister: 710
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:15
Date Analyzed: 8/6/2026 **Time:** 17:12
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	41.60	28.67	61.43	170.37
2-BUTENE, (E)-	7.00	15.00	27.30	28.67	61.43	111.81
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	23.00	28.67	61.43	94.20
CYCLOHEXANE, 1-ETHYL-4-METHYL-,	7.00	15.00	39.90	28.67	61.43	163.41
.ALPHA.-PINENE	7.00	15.00	96.10	28.67	61.43	393.58
DECANE, 2,6,8-TRIMETHYL-	7.00	15.00	45.80	28.67	61.43	187.57
CAMPHENE	7.00	15.00	87.10	28.67	61.43	356.72

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	26		
File Name:	2614426A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	12:15
Sample ID:	T-212	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	17:12
Anal Date:	6 Aug 126 5:12 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	710		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	2.685	1.69	42.00	1947478
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	778837
67-56-1	Methanol	4	SA	10.756	2.49	31.00	7210902
74-87-3	Chloromethane	5	SA	1.054	2.03	50.00	1245268
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.406	1.91	85.00	778837
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.406	2.44	94.00	227203
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.329	3.39	46.00	387277
107-02-8	Acrolein	12	SA	0.997	3.75	56.00	204436
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	7.978	4.13	58.00	2724810
67-63-0	2-propanol (isopropylalcohc	15	SA	0.849	3.99	45.00	1331106
75-65-0	t-Butyl alcohol	16	SA	0.780	4.50	59.00	1180259
4227-95-6	Methyl iodide	17	SA	0.312	3.51	142.00	111780
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.890	6.18	72.00	286082
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.259	4.33	57.00	466100
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.250	5.78	56.00	319100
71-43-2	Benzene	47	SA	0.380	6.49	78.00	866657
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.167	6.34	57.00	645559
142-82-5	n-Heptane	51	SA	0.462	6.49	71.00	327841
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.222	6.49	130.00	187392
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	8.035	8.92	91.00	16990506
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.214	9.41	166.00	205552
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	8.932	10.94	106	24114048
1330-20-7	m,p-Xylenes	75	SA	10.849	11.15	91.00	24796669
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.218	11.83	104.00	364924
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	8.175	11.74	91.00	19090874
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	1.552	12.83	91.00	6111808
98-82-8	Isopropylbenzene	84	SA	2.092	12.24	105.00	4880549
622-96-8	4-Ethyltoluene	85	SA	5.588	13.00	105.00	14534596
108-67-8	1,3,5-Trimethylbenzene	86	SA	2.556	13.12	105.00	7138593
124-18-5	Decane	87	SA	1.472	12.85	57.00	5027931
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	5.167	13.71	105.00	14817139
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	2.873	14.10	119.00	10067895
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.466	17.95	128.00	556891
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.687	1.86	51.00	15585417
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**8452269**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**11599683**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**13577839**
2037-26-5	Toluene-d8	61	SURR	2.447	8.85	98.00	**6389261**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 26
File Name: 2614426A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 710
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	2.68	26.85	46.27	26.85	46.27	46.27	46.27	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	10.76	107.56	140.96	107.56	140.96	140.96	140.96	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	1.05	10.54	21.81	10.54	21.81	21.81	21.81	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.41	4.06	28.41	4.06	28.41	28.41	28.41	0.100	0.250	0.40	2.80	1.00	7.00	
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.41	4.06	15.80	4.06	15.80	15.80	15.80	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.33	23.29	43.97	23.29	43.97	43.97	43.97	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	1.00	9.97	22.92	9.97	22.92	22.92	22.92	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	7.98	79.78	189.84	79.78	189.84	189.84	189.84	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.85	8.49	20.90	8.49	20.90	20.90	20.90	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	0.78	7.80	23.67	7.80	23.67	23.67	23.67	0.100	1.000	0.40	1.21	4.00	12.14	
Methyl iodide	142.9	0.31	3.12	18.25	3.12	18.25	18.25	18.25	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.89	8.90	26.28	8.90	26.28	26.28	26.28	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.26	2.59	9.14	2.59	9.14	9.14	9.14	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.25	2.50	8.63	2.50	8.63	8.63	8.63	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.38	3.80	12.15	3.80	12.15	12.15	12.15	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.17	1.67	7.82	1.67	7.82	7.82	7.82	0.050	0.250	0.20	0.94	1.00	4.68	
n-Heptane	100.2	0.46	4.62	18.95	4.62	18.95	18.95	18.95	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.22	2.22	11.94	2.22	11.94	11.94	11.94	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	8.04	80.35	303.09	80.35	303.09	303.09	303.09	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.21	2.14	14.56	2.14	14.56	14.56	14.56	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	8.93	89.32	388.49	89.32	388.49	388.49	388.49	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	10.85	108.49	471.89	108.49	471.89	471.89	471.89	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.22	2.18	9.29	2.18	9.29	9.29	9.29	0.150	0.250	0.60	2.56	1.00	4.27	
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	8.18	81.75	355.57	81.75	355.57	355.57	355.57	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	1.55	15.52	76.39	15.52	76.39	76.39	76.39	0.200	0.700	0.80	3.94	2.80	13.78	
Isopropylbenzene	120.2	2.09	20.92	103.01	20.92	103.01	103.01	103.01	0.200	0.700	0.80	3.94	2.80	13.78	
4-Ethyltoluene	120.2	5.59	55.88	275.06	55.88	275.06	275.06	275.06	0.200	1.600	0.80	3.94	6.40	31.51	
1,3,5-Trimethylbenzene	120.2	2.56	25.56	125.81	25.56	125.81	125.81	125.81	0.200	0.900	0.80	3.94	3.60	17.72	
Decane	142.3	1.47	14.72	85.79	14.72	85.79	85.79	85.79	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	5.17	51.67	254.34	51.67	254.34	254.34	254.34	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	2.87	28.73	157.92	28.73	157.92	157.92	157.92	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.47	4.66	24.46	4.66	24.46	24.46	24.46	0.100	0.500	0.40	2.10	2.00	10.50	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.69	166.87	451.39	166.87	451.39	451.39	451.39	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.45	98	98	98	98	98	98	2.5
										98	2.5
											2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	26.85	46.27
ND		ND		Y	0.00	0.00
		=		Y	107.56	140.96
		=		Y	10.54	21.81
		=		Y	4.06	28.41
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	4.06	15.80
ND		ND		Y	0.00	0.00
		=		Y	23.29	43.97
		=		Y	9.97	22.92
ND		ND		Y	0.00	0.00
		=		Y	79.78	189.84
		=		Y	8.49	20.90
		=		Y	7.80	23.67
		=		Y	3.12	18.25
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.90	26.28
ND	ND	Y	0.00	0.00
	=	Y	2.59	9.14
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.50	8.63
	=	Y	3.80	12.15
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.67	7.82
	=	Y	4.62	18.95
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.22	11.94
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	80.35	303.09
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.14	14.56
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	89.32	388.49
	=	Y	108.49	471.89
ND	ND	Y	0.00	0.00
	=	Y	2.18	9.29
ND	ND	Y	0.00	0.00
	=	Y	81.75	355.57
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	15.52	76.39
	=	Y	20.92	103.01
	=	Y	55.88	275.06
	=	Y	25.56	125.81
	=	Y	14.72	85.79
ND	ND	Y	0.00	0.00
	=	Y	51.67	254.34
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	28.73	157.92
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.66	24.46
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	166.87	451.39
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**26**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

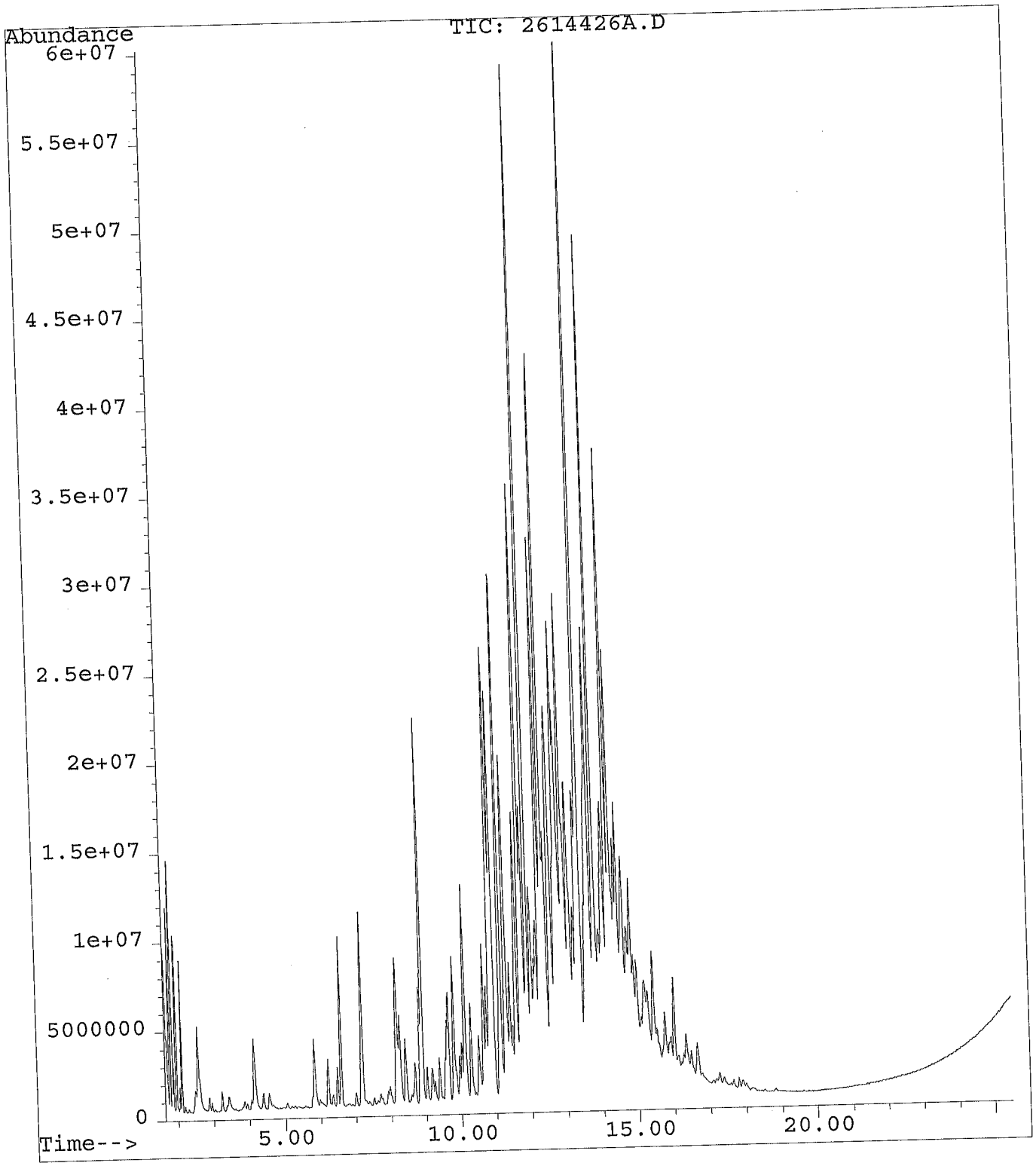
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	1947478	20.0	8452269	2.685	26.85	46.27
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	778837	20.0	8452269	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	7210902	20.0	8452269	10.756	107.56	140.96
5	Chloromethane	PFB	SA	50.5	0.699	1245268	20.0	8452269	1.054	10.54	21.81
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	778837	20.0	8452269	0.406	4.06	28.41
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	8452269	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	8452269	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	227203	20.0	8452269	0.406	4.06	15.80
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	8452269	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	387277	20.0	8452269	2.329	23.29	43.97
12	Acrolein	PFB	SA	56.1	0.121	204436	20.0	8452269	0.997	9.97	22.92
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	8452269	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	2724810	20.0	8452269	7.978	79.78	189.84
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	1331106	20.0	8452269	0.849	8.49	20.90
16	t-Butyl alcohol	PFB	SA	74.1	0.895	1180259	20.0	8452269	0.780	7.80	23.67
17	Methyl iodide	PFB	SA	142.9	0.305	111780	20.0	8452269	0.312	3.12	18.25
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	8452269	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	8452269	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	8452269	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	8452269	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	8452269	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	8452269	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	8452269	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	8452269	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	8452269	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	8452269	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	8452269	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	8452269	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	286082	20.0	8452269	0.890	8.90	26.28
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	8452269	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	466100	20.0	8452269	0.259	2.59	9.14
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	8452269	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	8452269	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	8452269	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	8452269	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	8452269	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	8452269	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	8452269	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	8452269	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	8452269	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	11599683	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	11599683	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	11599683	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	319100	20.0	11599683	0.250	2.50	8.63
47	Benzene	14DFB	SA	78.1	0.984	866657	20.0	11599683	0.380	3.80	12.15
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	11599683	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	11599683	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	645559	20.0	11599683	0.167	1.67	7.82
51	n-Heptane	14DFB	SA	100.2	0.306	327841	20.0	11599683	0.462	4.62	18.95
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	11599683	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	11599683	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	11599683	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	187392	20.0	11599683	0.222	2.22	11.94
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	11599683	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	11599683	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	11599683	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	11599683	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	16990506	20.0	11599683	8.035	80.35	303.09
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	11599683	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	11599683	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	11599683	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	11599683	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	11599683	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	11599683	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	11599683	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	11599683	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	205552	20.0	11599683	0.214	2.14	14.56
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	13577839	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	13577839	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	24114048	20.0	13577839	8.932	89.32	388.49
75	m,p-Xylenes	d5CB	SA	106.2	0.842	24796669	20.0	13577839	10.849	108.49	471.89
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	13577839	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	364924	20.0	13577839	0.218	2.18	9.29
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	13577839	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	19090874	20.0	13577839	8.175	81.75	355.57
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	13577839	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	13577839	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	13577839	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	6111808	20.0	13577839	1.552	15.52	76.39
84	Isopropylbenzene	d5CB	SA	120.2	0.859	4880549	20.0	13577839	2.092	20.92	103.01
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	14534596	20.0	13577839	5.588	55.88	275.06
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	7138593	20.0	13577839	2.556	25.56	125.81
87	Decane	d5CB	SA	142.3	1.258	5027931	20.0	13577839	1.472	14.72	85.79
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	13577839	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	14817139	20.0	13577839	5.167	51.67	254.34
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	13577839	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	13577839	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	13577839	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	10067895	20.0	13577839	2.873	28.73	157.92
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	13577839	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	13577839	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	13577839	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	13577839	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	13577839	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	13577839	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	556891	20.0	13577839	0.466	4.66	24.46
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	13577839	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	13577839	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	15585417	20.0	13577839	16.687	166.87	451.39
1	Pentafluorobenzene		IS			8452269	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			11599683	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			13577839	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6389261	5.0		2.447	97.88	98

File : C:\MSCHEM\1\DATA\08066B_3\2614426A.D
Operator : SW
Acquired : 6 Aug 126 5:12 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-212
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **27**

Client ID T-213

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 27**

File Name: 2614427A.D **Date Sampled:** 7/21/2026 **Time:** 12:19
Description: T-213 **Date Analyzed:** 8/6/2026 **Time:** 17:49
Canister: 655 **Can Dilution Factor:** 1.00
QC_Batch: 080626-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	28.33	0.69	1.72	48.82	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	107.83	2.62	3.15	141.32	
74-87-3	Chloromethane	0.60	1.00	10.41	1.24	2.07	21.54	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	4.33	2.80	7.00	30.32	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.93	1.55	3.89	15.27	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	29.89	3.78	24.24	56.43	
107-02-8	Acrolein	0.40	1.20	8.78	0.92	2.76	20.17	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	78.97	4.76	5.71	187.91	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.02	1.97	12.31	19.74	
75-65-0	t-Butyl alcohol	0.40	4.00	7.46	1.21	12.14	22.65	
4227-95-6	Methyl iodide	0.40	1.20	3.14	2.34	7.02	18.39	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	10.22	1.18	3.54	30.19	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.48	1.41	3.53	8.76	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	2.90	0.69	3.45	10.00	
71-43-2	Benzene	1.40	2.00	5.28	4.48	6.40	16.88	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	1.92	0.94	4.68	8.96	
142-82-5	n-Heptane	0.40	1.00	5.21	1.64	4.10	21.38	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.42	0.54	5.38	13.01	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	84.70	3.02	3.77	319.48	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	2.29	0.68	6.79	15.55	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	90.98	1.74	4.35	395.70	
1330-20-7	m,p-Xylenes	0.40	1.00	108.73	1.74	4.35	472.89	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	2.05	2.56	4.27	8.74	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	83.83	1.74	4.35	364.63	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	16.60	3.94	13.78	81.71	
98-82-8	Isopropylbenzene	0.80	2.80	21.15	3.94	13.78	104.10	
622-96-8	4-Ethyltoluene	0.80	6.40	57.95	3.94	31.51	285.28	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	25.75	3.94	17.72	126.75	
124-18-5	Decane	0.80	2.40	15.59	4.66	13.99	90.87	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	53.90	3.94	17.72	265.36	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	28.52	4.40	13.19	156.75	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	5.09	2.10	10.50	26.72	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 27

File Name: 2614427A.D
Description T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.04	2.71	3.25	449.16	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 27

File Name: 2614427A.D
Description: T-213
Canister: 655
QC_Batch: 080626-MA1

Date Sampled: 7/21/2026 **Time:** 12:19
Date Analyzed: 8/6/2026 **Time:** 17:49
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL-	7.00	15.00	47.40	28.67	61.43	194.13
2-BUTENE, (E)-	7.00	15.00	30.20	28.67	61.43	123.68
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	17.20	28.67	61.43	70.44
CYCLOHEXANE, 1-ETHYL-4-METHYL-	7.00	15.00	40.00	28.67	61.43	163.82
.ALPHA.-PINENE	7.00	15.00	96.90	28.67	61.43	396.85
DECANE, 2,6,8-TRIMETHYL-	7.00	15.00	52.40	28.67	61.43	214.60
CAMPHENE	7.00	15.00	100.30	28.67	61.43	410.78

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	27		
File Name:	2614427A.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	12:19
Sample ID:	T-213	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	17:49
Anal Date:	6 Aug 126 5:49 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	655		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	2.833	1.69	42.00	1775462
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	764354
67-56-1	Methanol	4	SA	10.783	2.49	31.00	6245925
74-87-3	Chloromethane	5	SA	1.041	2.03	50.00	1062684
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.433	1.91	85.00	718266
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.393	2.44	94.00	189762
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.989	3.39	46.00	429466
107-02-8	Acrolein	12	SA	0.878	3.75	56.00	155495
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	7.897	4.13	58.00	2330331
67-63-0	2-propanol (isopropylalcohc	15	SA	0.802	3.99	45.00	1086264
75-65-0	t-Butyl alcohol	16	SA	0.746	4.50	59.00	975948
4227-95-6	Methyl iodide	17	SA	0.314	3.51	142.00	98047
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.022	6.18	72.00	283978
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.248	4.33	57.00	385924
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.290	5.78	56.00	314441
71-43-2	Benzene	47	SA	0.528	6.49	78.00	1023423
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.192	6.34	57.00	628277
142-82-5	n-Heptane	51	SA	0.521	6.49	71.00	314446
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.242	6.49	130.00	173431
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	8.470	8.92	91.00	15218945
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.229	9.41	166.00	186462
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	9.098	10.94	106	21195503
1330-20-7	m,p-Xylenes	75	SA	10.873	11.15	91.00	21443810
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.205	11.83	104.00	296062
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	8.383	11.74	91.00	16894299
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	1.660	12.83	91.00	5642091
98-82-8	Isopropylbenzene	84	SA	2.115	12.24	105.00	4256480
622-96-8	4-Ethyltoluene	85	SA	5.795	13.00	105.00	13008530
108-67-8	1,3,5-Trimethylbenzene	86	SA	2.575	13.12	105.00	6206369
124-18-5	Decane	87	SA	1.559	12.85	57.00	4595907
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	5.390	13.71	105.00	13340610
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	2.852	14.10	119.00	8623814
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.509	17.95	128.00	524834
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.604	1.85	51.00	13382938
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7302859**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9857124**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11717021**
2037-26-5	Toluene-d8	61	SURR	2.405	8.85	98.00	**5336511**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 27
File Name: 2614427A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 655
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	2.83	28.33	48.82	28.33	48.82	48.82	48.82	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	10.78	107.83	141.32	107.83	141.32	141.32	141.32	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	1.04	10.41	21.54	10.41	21.54	21.54	21.54	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.43	4.33	30.32	4.33	30.32	30.32	30.32	0.100	0.250	0.40	2.80	1.00	7.00	
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.39	3.93	15.27	3.93	15.27	15.27	15.27	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.99	29.89	56.43	29.89	56.43	56.43	56.43	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.88	8.78	20.17	8.78	20.17	20.17	20.17	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	7.90	78.97	187.91	78.97	187.91	187.91	187.91	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.80	8.02	19.74	8.02	19.74	19.74	19.74	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	0.75	7.46	22.65	7.46	22.65	22.65	22.65	0.100	1.000	0.40	1.21	4.00	12.14	
Methyl iodide	142.9	0.31	3.14	18.39	3.14	18.39	18.39	18.39	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.02	10.22	30.19	10.22	30.19	30.19	30.19	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.25	2.48	8.76	2.48	8.76	8.76	8.76	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.29	2.90	10.00	2.90	10.00	10.00	10.00	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.53	5.28	16.88	5.28	16.88	16.88	16.88	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.19	1.92	8.96	1.92	8.96	8.96	8.96	0.050	0.250	0.20	0.94	1.00	4.68	
n-Heptane	100.2	0.52	5.21	21.38	5.21	21.38	21.38	21.38	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.24	2.42	13.01	2.42	13.01	13.01	13.01	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	8.47	84.70	319.48	84.70	319.48	319.48	319.48	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.23	2.29	15.55	2.29	15.55	15.55	15.55	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	9.10	90.98	395.70	90.98	395.70	395.70	395.70	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	10.87	108.73	472.89	108.73	472.89	472.89	472.89	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.20	2.05	8.74	2.05	8.74	8.74	8.74	0.150	0.250	0.60	2.56	1.00	4.27	
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	8.38	83.83	364.63	83.83	364.63	364.63	364.63	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	1.66	16.60	81.71	16.60	81.71	81.71	81.71	0.200	0.700	0.80	3.94	2.80	13.78	
Isopropylbenzene	120.2	2.11	21.15	104.10	21.15	104.10	104.10	104.10	0.200	0.700	0.80	3.94	2.80	13.78	
4-Ethyltoluene	120.2	5.80	57.95	285.28	57.95	285.28	285.28	285.28	0.200	1.600	0.80	3.94	6.40	31.51	
1,3,5-Trimethylbenzene	120.2	2.57	25.75	126.75	25.75	126.75	126.75	126.75	0.200	0.900	0.80	3.94	3.60	17.72	
Decane	142.3	1.56	15.59	90.87	15.59	90.87	90.87	90.87	0.200	0.600	0.80	4.66	2.40	13.99	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	5.39	53.90	265.36	53.90	265.36	265.36	265.36	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	2.85	28.52	156.75	28.52	156.75	156.75	156.75	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.51	5.09	26.72	5.09	26.72	26.72	26.72	0.100	0.500	0.40	2.10	2.00	10.50	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.60	166.04	449.16	166.04	449.16	449.16	449.16	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.41	96	96	96	96	96	96	96	96	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	28.33	48.82
ND		ND		Y	0.00	0.00
		=		Y	107.83	141.32
		=		Y	10.41	21.54
		=		Y	4.33	30.32
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.93	15.27
ND		ND		Y	0.00	0.00
		=		Y	29.89	56.43
		=		Y	8.78	20.17
ND		ND		Y	0.00	0.00
		=		Y	78.97	187.91
		=		Y	8.02	19.74
		=		Y	7.46	22.65
		=		Y	3.14	18.39
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	10.22	30.19
ND	ND	Y	0.00	0.00
	=	Y	2.48	8.76
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.90	10.00
	=	Y	5.28	16.88
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.92	8.96
	=	Y	5.21	21.38
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.42	13.01
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	84.70	319.48
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.29	15.55
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	90.98	395.70
	=	Y	108.73	472.89
ND	ND	Y	0.00	0.00
	=	Y	2.05	8.74
ND	ND	Y	0.00	0.00
	=	Y	83.83	364.63
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	16.60	81.71
	=	Y	21.15	104.10
	=	Y	57.95	285.28
	=	Y	25.75	126.75
	=	Y	15.59	90.87
ND	ND	Y	0.00	0.00
	=	Y	53.90	265.36
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	28.52	156.75
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	5.09	26.72
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	166.04	449.16
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**27**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

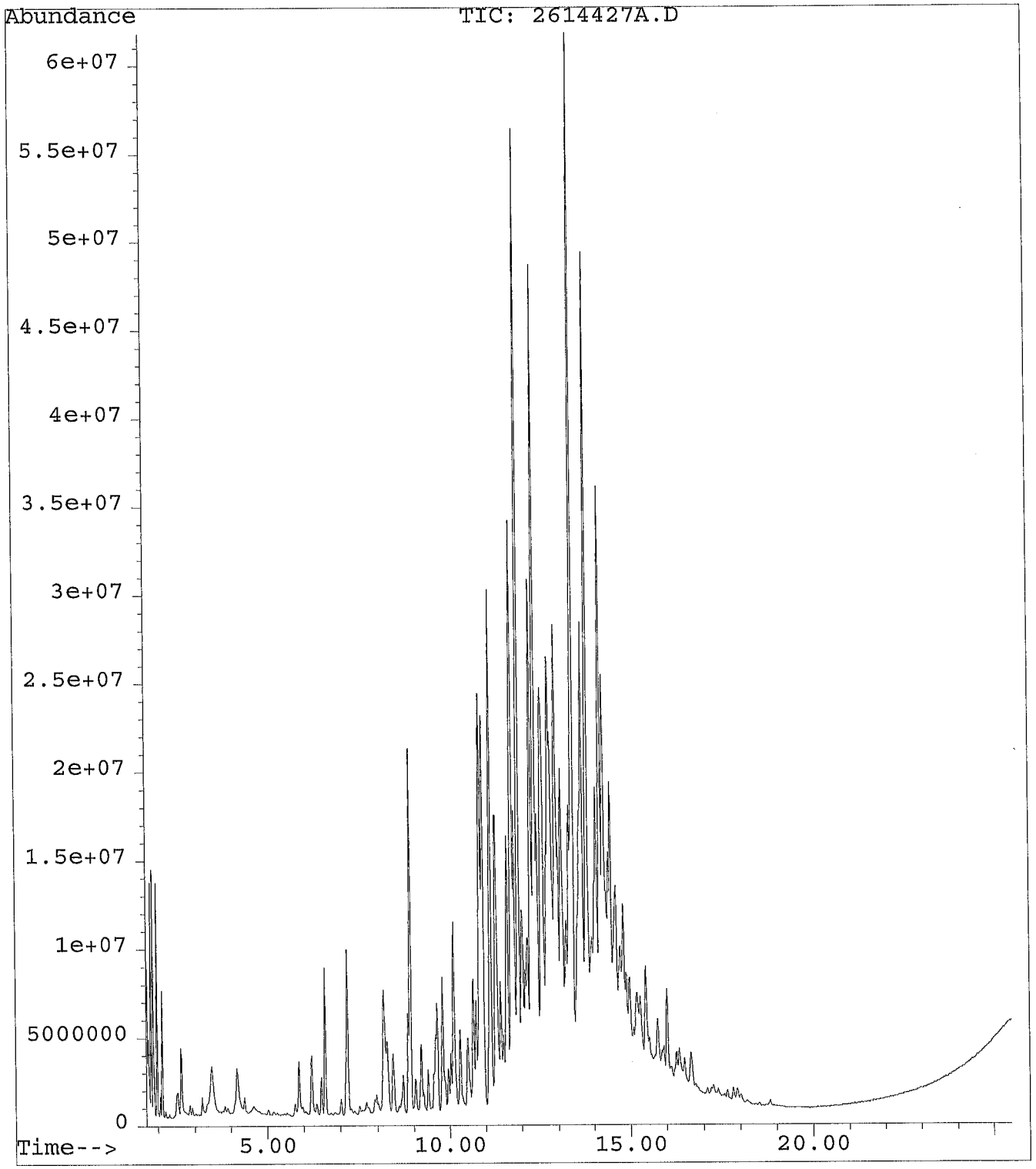
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	1775462	20.0	7302859	2.833	28.33	48.82
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	764354	20.0	7302859	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	6245925	20.0	7302859	10.783	107.83	141.32
5	Chloromethane	PFB	SA	50.5	0.699	1062684	20.0	7302859	1.041	10.41	21.54
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	718266	20.0	7302859	0.433	4.33	30.32
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7302859	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7302859	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	189762	20.0	7302859	0.393	3.93	15.27
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7302859	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	429466	20.0	7302859	2.989	29.89	56.43
12	Acrolein	PFB	SA	56.1	0.121	155495	20.0	7302859	0.878	8.78	20.17
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7302859	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	2330331	20.0	7302859	7.897	78.97	187.91
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	1086264	20.0	7302859	0.802	8.02	19.74
16	t-Butyl alcohol	PFB	SA	74.1	0.895	975948	20.0	7302859	0.746	7.46	22.65
17	Methyl iodide	PFB	SA	142.9	0.305	98047	20.0	7302859	0.314	3.14	18.39
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7302859	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7302859	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7302859	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7302859	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7302859	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7302859	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7302859	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7302859	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7302859	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7302859	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7302859	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7302859	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	283978	20.0	7302859	1.022	10.22	30.19
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7302859	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	385924	20.0	7302859	0.248	2.48	8.76
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7302859	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7302859	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7302859	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7302859	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7302859	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7302859	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7302859	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7302859	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	7302859	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9857124	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9857124	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9857124	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	314441	20.0	9857124	0.290	2.90	10.00
47	Benzene	14DFB	SA	78.1	0.984	1023423	20.0	9857124	0.528	5.28	16.88
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9857124	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9857124	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	628277	20.0	9857124	0.192	1.92	8.96
51	n-Heptane	14DFB	SA	100.2	0.306	314446	20.0	9857124	0.521	5.21	21.38
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9857124	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9857124	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9857124	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	173431	20.0	9857124	0.242	2.42	13.01
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9857124	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9857124	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9857124	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9857124	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	15218945	20.0	9857124	8.470	84.70	319.48
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9857124	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9857124	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9857124	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	9857124	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9857124	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9857124	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9857124	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9857124	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	186462	20.0	9857124	0.229	2.29	15.55
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11717021	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11717021	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	21195503	20.0	11717021	9.098	90.98	395.70
75	m,p-Xylenes	d5CB	SA	106.2	0.842	21443810	20.0	11717021	10.873	108.73	472.89
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	11717021	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	296062	20.0	11717021	0.205	2.05	8.74
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11717021	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	16894299	20.0	11717021	8.383	83.83	364.63
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11717021	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11717021	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11717021	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	5642091	20.0	11717021	1.660	16.60	81.71
84	Isopropylbenzene	d5CB	SA	120.2	0.859	4256480	20.0	11717021	2.115	21.15	104.10
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	13008530	20.0	11717021	5.795	57.95	285.28
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	6206369	20.0	11717021	2.575	25.75	126.75
87	Decane	d5CB	SA	142.3	1.258	4595907	20.0	11717021	1.559	15.59	90.87
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11717021	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	13340610	20.0	11717021	5.390	53.90	265.36
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	11717021	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	11717021	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11717021	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	8623814	20.0	11717021	2.852	28.52	156.75
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11717021	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11717021	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	11717021	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11717021	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11717021	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	11717021	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	524834	20.0	11717021	0.509	5.09	26.72
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	11717021	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11717021	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13382938	20.0	11717021	16.604	166.04	449.16
1	Pentafluorobenzene		IS			7302859	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9857124	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11717021	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5336511	5.0		2.405	96.20	96

File : C:\MSCHEM\1\DATA\08066B_3\2614427A.D
Operator : SW
Acquired : 6 Aug 126 5:49 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-213
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **28**

Client ID T-214

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 28

File Name: C08036E.D
Description: T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.84	0.69	1.72	1.45	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	87	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	190.67	2.71	3.25	515.78	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	28		
File Name:	C08036E.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	12:38
Sample ID:	T-214	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/3/2026	**Time:**	10:24
Anal Date:	3 Aug 126 10:24 am	**SF:**	2	**QCbatch:**	080326-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	692		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.084	1.69	42.00	44006
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.098	2.49	31.00	47182
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	48084
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.548	1.91	85.00	29299
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	23166
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.131	3.39	46.00	15689
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	SA	0.032	3.99	45.00	36260
75-65-0	t-Butyl alcohol	16	SA	0.020	4.50	59.00	21754
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.042	4.96	53.00	13896
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.051	6.49	54.00	16217
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.000	6.49	78.00	0
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.041	8.92	91.00	65893
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.024	10.91	112.00	27321
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.037	11.00	131.00	15544
100-41-4	Ethylbenzene	74	SA	0.017	10.94	106	26425
1330-20-7	m,p-Xylenes	75	SA	0.029	11.15	91.00	37761
111-84-2	Nonane	76	SA	0.017	10.86	57.00	21839
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.018	11.80	91.00	23303
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.011	12.92	83.00	18199
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.017	12.83	91.00	37830
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.037	13.00	105.00	54334
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.016	13.12	105.00	25443
124-18-5	Decane	87	SA	0.011	12.85	57.00	22313
98-06-6	tert-butyl benzene	88	SA	0.010	13.61	119.00	15597
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.029	13.71	105.00	48212
538-93-2	i-Butylbenzene	90	SA	0.010	13.89	91.00	24983
135-98-8	sec-butylbenzene	91	SA	0.020	13.87	105.00	48212
541-73-1	1,3-Dichlorobenzene	92	SA	0.033	14.19	146.00	36759
99-87-6	Isopropyltoluene	93	SA	0.015	14.10	119.00	30230
100-44-7	Benzyl chloride	94	SA	0.016	13.31	91.00	20385

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.018	14.34	146.00	21937
104-51-8	n-Butylbenzene	96	SA	0.021	14.76	91.00	71981
95-50-1	1,2-Dichlorobenzene	97	SA	0.035	15.01	146.00	48271
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.043	16.27	75.00	22295
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.050	17.40	180.00	15459
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.063	17.42	180.00	15459
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	19.067	1.83	51.00	10153232
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6084333**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8859865**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7741178**
2037-26-5	Toluene-d8	61	SURR	2.177	8.85	98.00	**4341277**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 28
File Name: C08036E.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 692
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.08	0.84	1.45	0.84	1.45	1.45	1.45	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.10	0.98	1.28	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	-4.55	-45.48	-318.34	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.13	1.31	2.47	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.03	0.32	0.79	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.02	0.20	0.61	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.04	0.42	0.90	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.05	0.51	1.16	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.00	0.00	0.00	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.04	0.41	1.54	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.02	0.24	1.12	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.04	0.37	2.57	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.02	0.17	0.75	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.03	0.29	1.26	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.02	0.17	0.88	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.02	0.18	0.76	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.01	0.11	0.76	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.02	0.17	0.83	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.04	0.37	1.80	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.02	0.16	0.79	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.01	0.11	0.67	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.01	0.10	0.53	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.03	0.29	1.45	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.01	0.10	0.55	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.02	0.20	1.11	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.03	0.33	2.01	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.02	0.15	0.83	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.02	0.16	0.81	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.02	0.18	1.11	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.02	0.21	1.14	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.04	0.35	2.12	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.04	0.43	4.15	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.05	0.50	3.71	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.06	0.63	4.65	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	19.07	190.67	515.78	190.67	515.78	515.78	515.78	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.18	87	87	87	87	87	87	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=	Y	Y	0.84	1.45
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**28**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

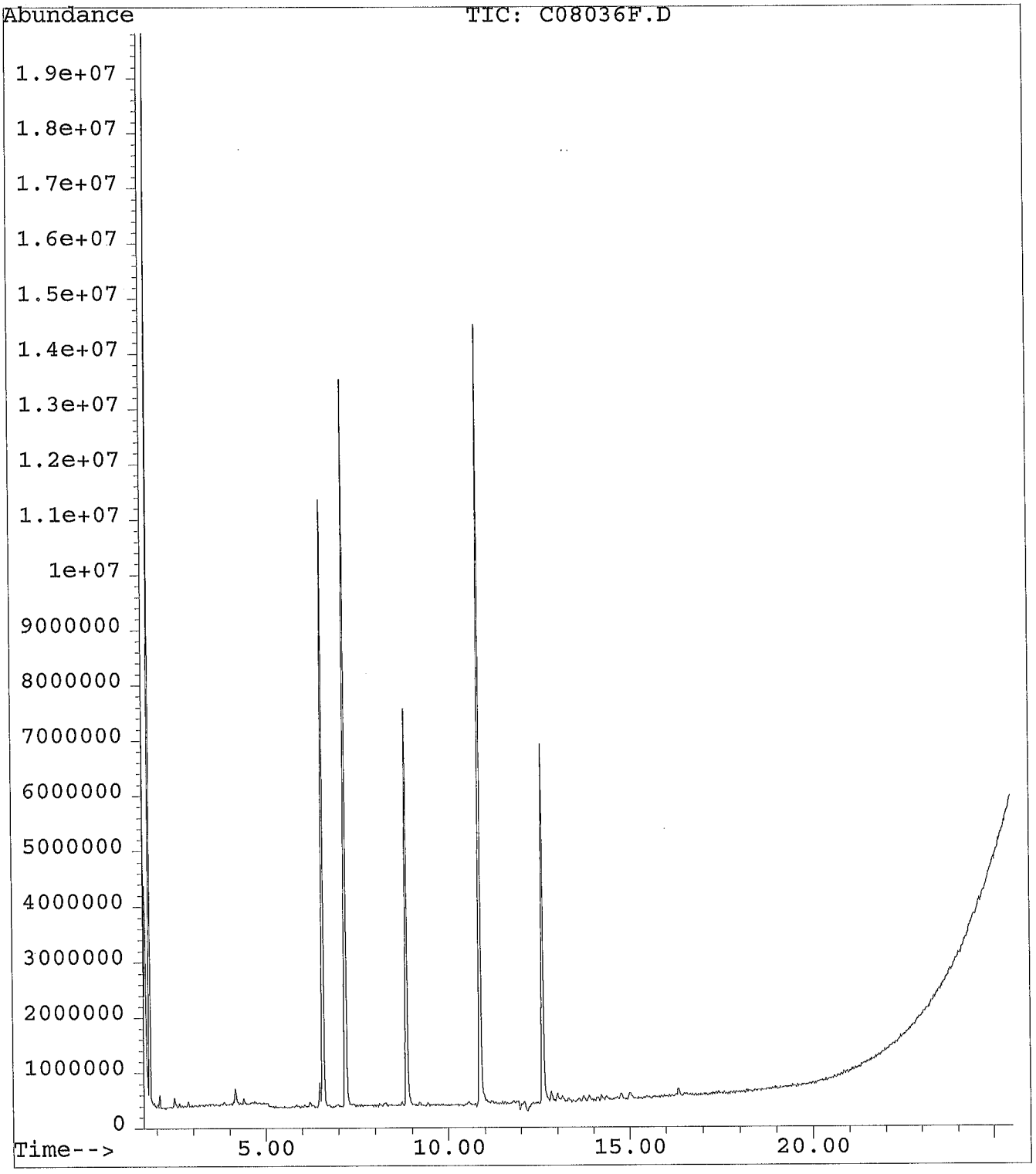
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi AIs	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	44006	20.0	6084333	0.084	0.84	1.45
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6084333	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	47182	20.0	6084333	0.098	0.98	1.28
5	Chloromethane	PFB	SA	50.5	0.699	48084	20.0	6084333	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	29299	20.0	6084333	-4.548	-45.48	-318.34
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6084333	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6084333	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	23166	20.0	6084333	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6084333	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	15689	20.0	6084333	0.131	1.31	2.47
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	6084333	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6084333	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	0	20.0	6084333	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	36260	20.0	6084333	0.032	0.32	0.79
16	t-Butyl alcohol	PFB	SA	74.1	0.895	21754	20.0	6084333	0.020	0.20	0.61
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	6084333	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6084333	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	13896	20.0	6084333	0.042	0.42	0.90
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6084333	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6084333	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6084333	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6084333	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6084333	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6084333	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	16217	20.0	6084333	0.051	0.51	1.16
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6084333	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6084333	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6084333	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6084333	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6084333	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6084333	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6084333	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6084333	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6084333	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6084333	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6084333	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6084333	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6084333	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6084333	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6084333	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8859865	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8859865	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8859865	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8859865	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	0	20.0	8859865	0.000	0.00	0.00
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8859865	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8859865	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8859865	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8859865	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8859865	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8859865	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8859865	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8859865	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8859865	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8859865	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8859865	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8859865	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	65893	20.0	8859865	0.041	0.41	1.54
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8859865	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8859865	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8859865	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8859865	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8859865	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8859865	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8859865	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8859865	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8859865	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	27321	20.0	7741178	0.024	0.24	1.12
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	15544	20.0	7741178	0.037	0.37	2.57
74	Ethylbenzene	d5CB	SA	106.2	0.994	26425	20.0	7741178	0.017	0.17	0.75
75	m,p-Xylenes	d5CB	SA	106.2	0.842	37761	20.0	7741178	0.029	0.29	1.26
76	Nonane	d5CB	SA	128.3	0.844	21839	20.0	7741178	0.017	0.17	0.88
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7741178	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7741178	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	23303	20.0	7741178	0.018	0.18	0.76
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	18199	20.0	7741178	0.011	0.11	0.76
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7741178	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7741178	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	37830	20.0	7741178	0.017	0.17	0.83
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7741178	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	54334	20.0	7741178	0.037	0.37	1.80
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	25443	20.0	7741178	0.016	0.16	0.79
87	Decane	d5CB	SA	142.3	1.258	22313	20.0	7741178	0.011	0.11	0.67
88	tert-butyl benzene	d5CB	SA	134.2	1.036	15597	20.0	7741178	0.010	0.10	0.53
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	48212	20.0	7741178	0.029	0.29	1.45
90	i-Butylbenzene	d5CB	SA	134.2	1.625	24983	20.0	7741178	0.010	0.10	0.55

91	sec-butylbenzene	d5CB	SA	134.2	1.547	48212	20.0	7741178	0.020	0.20	1.11
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	36759	20.0	7741178	0.033	0.33	2.01
93	Isopropyltoluene	d5CB	SA	134.2	1.290	30230	20.0	7741178	0.015	0.15	0.83
94	Benzyl chloride	d5CB	SA	126.6	0.842	20385	20.0	7741178	0.016	0.16	0.81
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	21937	20.0	7741178	0.018	0.18	1.11
96	n-Butylbenzene	d5CB	SA	134.2	2.233	71981	20.0	7741178	0.021	0.21	1.14
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	48271	20.0	7741178	0.035	0.35	2.12
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	22295	20.0	7741178	0.043	0.43	4.15
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	15459	20.0	7741178	0.050	0.50	3.71
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7741178	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	15459	20.0	7741178	0.063	0.63	4.65
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7741178	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10153232	20.0	7741178	19.067	190.67	515.78
1	Pentafluorobenzene		IS			6084333	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8859865	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7741178	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4341277	5.0		2.177	87.07	87

File : C:\MSCHEM\1\DATA\08036B_3\C08036F.D
Operator : KL
Acquired : 3 Aug 126 10:59 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-314
Misc Info :
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 29

Client ID T-301

Analytical Method TO-15

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Analytical Report
Quantitation Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 29

File Name: 2614429A.D
Description: T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.01	0.69	1.72	3.47	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.82	2.62	3.15	3.70	
74-87-3	Chloromethane	0.60	1.00	0.97	1.24	2.07	2.01	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	33.54	3.78	24.24	63.32	
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	14.64	4.76	5.71	34.84	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.39	1.97	12.31	3.43	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.62	1.18	3.54	13.63	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.08	4.48	6.40	6.64	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.16	1.64	13.13	12.95	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 29

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.40	2.71	3.25	596.20	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 29

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	29		
File Name:	2614429A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:23
Sample ID:	T-301	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	12:39
Anal Date:	11 Aug 126 12:39 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	659		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.201	1.69	42.00	71384
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.282	2.49	31.00	92521
74-87-3	Chloromethane	5	SA	0.097	2.03	50.00	56222
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	3.354	3.39	46.00	272890
107-02-8	Acrolein	12	SA	0.183	3.75	56.00	18329
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.464	4.13	58.00	244677
67-63-0	2-propanol (isopropylalcohc	15	SA	0.139	3.99	45.00	106772
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.462	6.18	72.00	72595
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.208	6.49	78.00	260903
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.316	10.50	58.00	224409
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.81	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.37	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	22.040	1.81	51.00	12029643
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4135604**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6389884**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7934652**
2037-26-5	Toluene-d8	61	SURR	2.518	8.85	98.00	**3621783**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 29
File Name: 2614429A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 659
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.20	2.01	3.47	2.01	3.47	3.47	3.47	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.28	2.82	3.70	2.82	3.70	3.70	3.70	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.10	0.97	2.01	0.97	2.01	2.01	2.01	0.150	0.250	0.60	1.24	1.00	2.07	J
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	3.35	33.54	63.32	33.54	63.32	63.32	63.32	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.18	1.83	4.20	1.83	4.20	4.20	4.20	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.46	14.64	34.84	14.64	34.84	34.84	34.84	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.14	1.39	3.43	1.39	3.43	3.43	3.43	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.46	4.62	13.63	4.62	13.63	13.63	13.63	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.21	2.08	6.64	2.08	6.64	6.64	6.64	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.32	3.16	12.95	3.16	12.95	12.95	12.95	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	22.04	220.40	596.20	220.40	596.20	596.20	596.20	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.52	101	101	101	101	101	101	101	101	101	2.5	2.5	2.5
0													
0													
0													

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.01	3.47
ND		ND		Y	0.00	0.00
		=		Y	2.82	3.70
J		=		Y	0.97	2.01
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	33.54	63.32
		=		Y	1.83	4.20
ND		ND		Y	0.00	0.00
		=		Y	14.64	34.84
J		=		Y	1.39	3.43
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.62	13.63
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.08	6.64
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	3.16	12.95

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**29**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

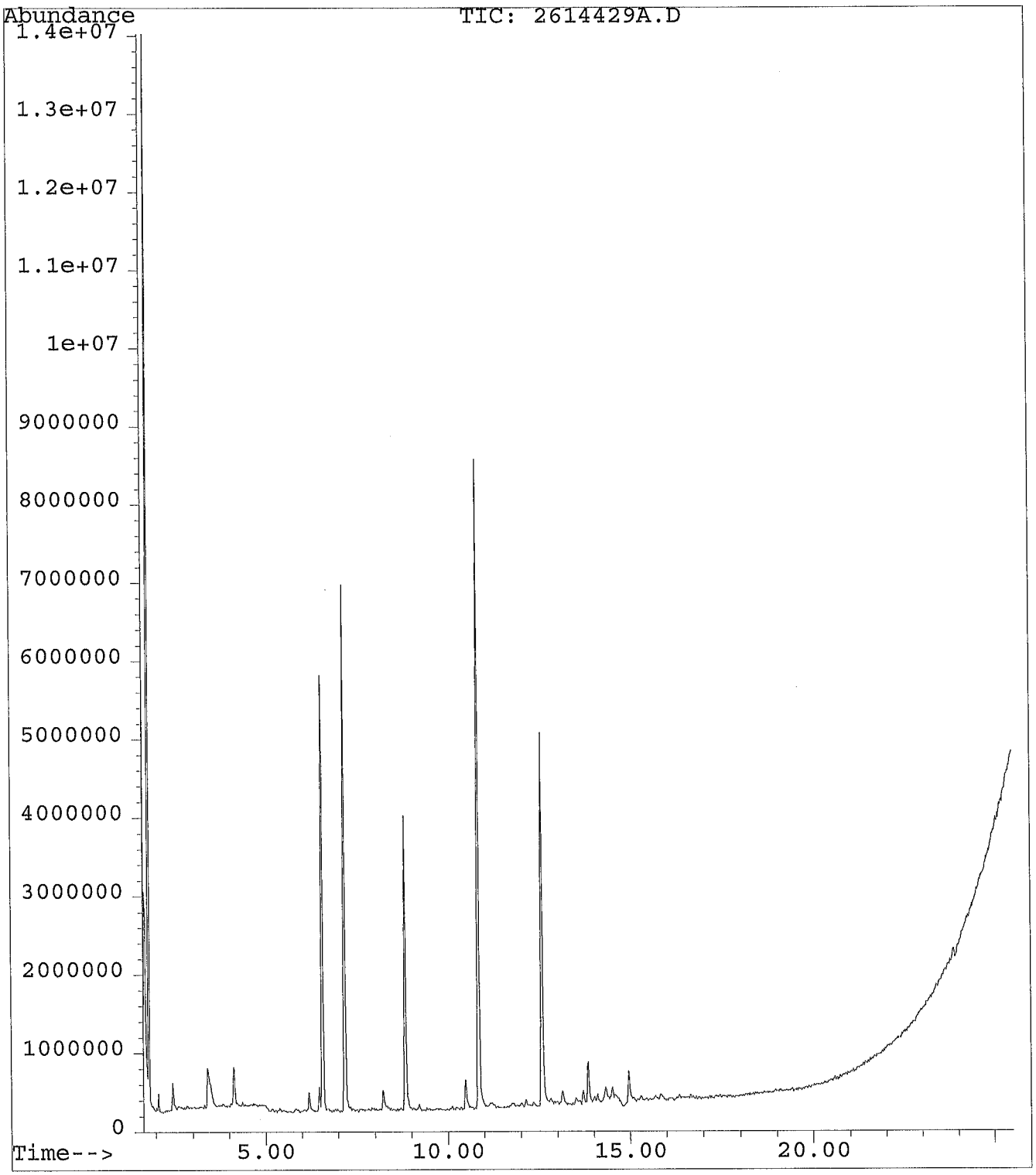
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	71384	20.0	4135604	0.201	2.01	3.47
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4135604	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	92521	20.0	4135604	0.282	2.82	3.70
5	Chloromethane	PFB	SA	50.5	0.699	56222	20.0	4135604	0.097	0.97	2.01
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4135604	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4135604	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4135604	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4135604	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4135604	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	272890	20.0	4135604	3.354	33.54	63.32
12	Acrolein	PFB	SA	56.1	0.121	18329	20.0	4135604	0.183	1.83	4.20
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4135604	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	244677	20.0	4135604	1.464	14.64	34.84
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	106772	20.0	4135604	0.139	1.39	3.43
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4135604	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4135604	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4135604	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4135604	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4135604	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4135604	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4135604	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4135604	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4135604	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4135604	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4135604	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4135604	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4135604	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4135604	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	72595	20.0	4135604	0.462	4.62	13.63
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4135604	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4135604	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4135604	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4135604	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4135604	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4135604	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4135604	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4135604	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4135604	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4135604	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4135604	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	6389884	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	6389884	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	6389884	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	6389884	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	260903	20.0	6389884	0.208	2.08	6.64
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	6389884	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	6389884	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	6389884	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	6389884	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	6389884	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	6389884	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	6389884	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	6389884	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	6389884	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	6389884	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	6389884	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	6389884	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	6389884	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	6389884	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	6389884	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	6389884	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	224409	20.0	6389884	0.316	3.16	12.95
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	6389884	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	6389884	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	6389884	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	6389884	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	6389884	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7934652	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7934652	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7934652	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	7934652	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7934652	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7934652	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7934652	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7934652	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7934652	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7934652	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7934652	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7934652	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7934652	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7934652	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7934652	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7934652	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7934652	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7934652	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7934652	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7934652	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7934652	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7934652	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7934652	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7934652	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7934652	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7934652	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7934652	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7934652	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7934652	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7934652	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7934652	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12029643	20.0	7934652	22.040	220.40	596.20
1	Pentafluorobenzene		IS			4135604	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6389884	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7934652	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3621783	5.0		2.518	100.72	101

File : C:\MSCHEM\1\DATA\08116B_3\2614429A.D
Operator : KL
Acquired : 11 Aug 126 12:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-301
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **30**

Client ID T-302

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 30

File Name: 2614430A.D
Description: T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.06	0.69	1.72	1.82	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.83	3.78	24.24	45.00	
107-02-8	Acrolein	0.40	1.20	0.99	0.92	2.76	2.28	J
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.00	4.76	5.71	14.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 30

File Name: 2614430A.D
Description T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	160.61	2.71	3.25	434.46	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 30

File Name: 2614430A.D **Date Sampled:** 7/22/2026 **Time:** 08:28
Description T-302 **Date Analyzed:** 8/11/2026 **Time:** 13:20
Canister: 897 **Can Dilution Factor:** 1.00
QC_Batch: 081126-MA1 **Air Volume:** 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	30		
File Name:	2614430A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:28
Sample ID:	T-302	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	13:20
Anal Date:	11 Aug 126 1:20 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	897		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.106	1.69	42.00	59968
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.200	2.49	31.00	104697
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.383	3.39	46.00	310257
107-02-8	Acrolein	12	SA	0.099	3.75	56.00	15887
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.600	4.13	58.00	160332
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.140	6.49	78.00	292459
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.061	1.83	51.00	11768230
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6615909**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10646920**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10651981**
2037-26-5	Toluene-d8	61	SURR	2.382	8.85	98.00	**5707649**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 30
File Name: 2614430A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 897
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.11	1.06	1.82	1.06	1.82	1.82	1.82	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.20	2.00	2.61	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.38	23.83	45.00	23.83	45.00	45.00	45.00	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.10	0.99	2.28	0.99	2.28	2.28	2.28	0.100	0.300	0.40	0.92	1.20	2.76	J
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.60	6.00	14.27	6.00	14.27	14.27	14.27	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.40	4.47	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.06	160.61	434.46	160.61	434.46	434.46	434.46	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.38	95	95	95	95	95	95	95	95	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.06	1.82
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	23.83	45.00
J		=		Y	0.99	2.28
ND		ND		Y	0.00	0.00
		=		Y	6.00	14.27
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**30**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right| \left|\frac{(Cistdi)}{(Aistdi)}\right|$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

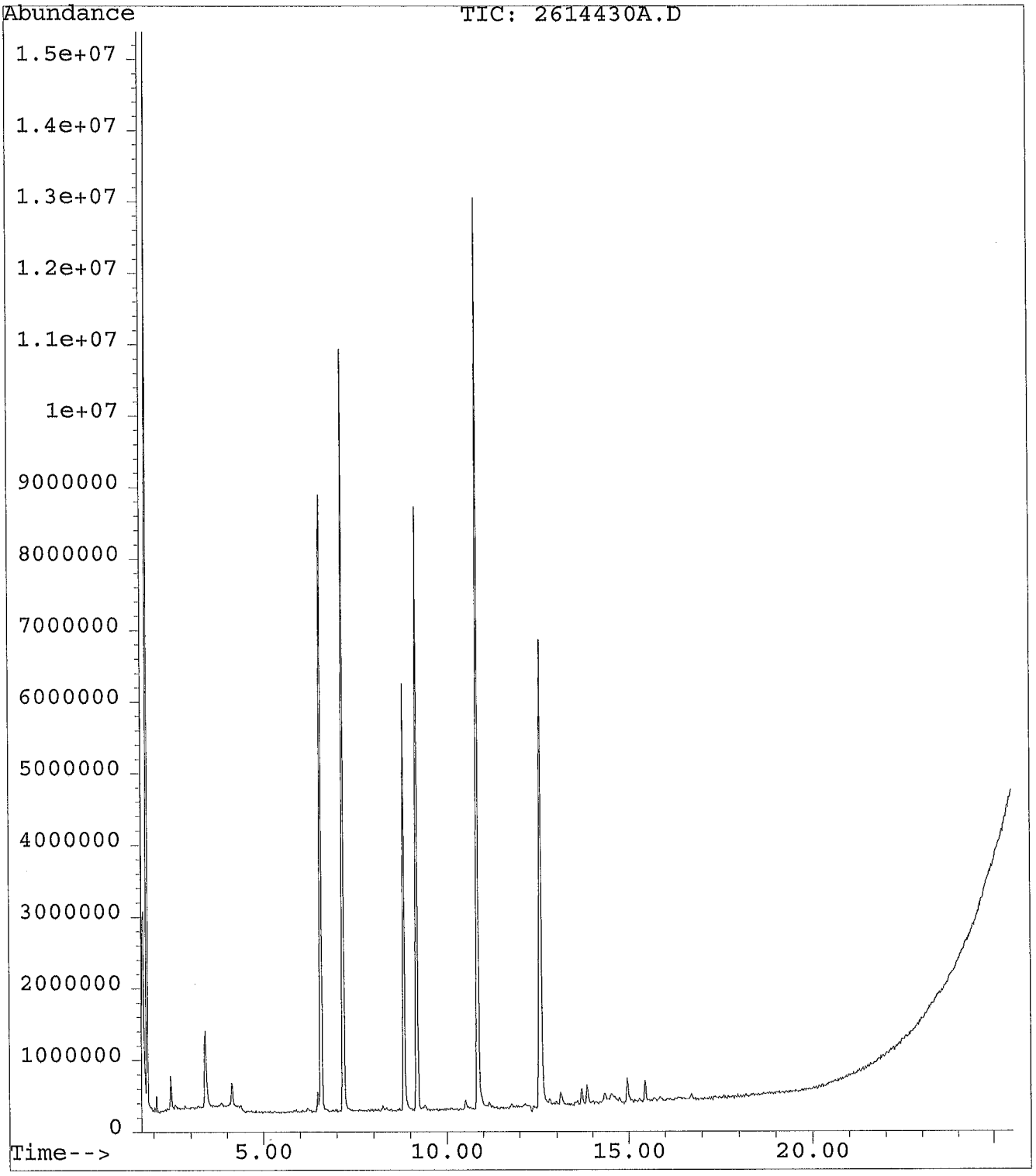
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	59968	20.0	6615909	0.106	1.06	1.82
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6615909	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	104697	20.0	6615909	0.200	2.00	2.61
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	6615909	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6615909	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6615909	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6615909	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6615909	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6615909	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	310257	20.0	6615909	2.383	23.83	45.00
12	Acrolein	PFB	SA	56.1	0.121	15887	20.0	6615909	0.099	0.99	2.28
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6615909	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	160332	20.0	6615909	0.600	6.00	14.27
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6615909	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6615909	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6615909	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6615909	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6615909	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6615909	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6615909	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6615909	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6615909	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6615909	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6615909	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6615909	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6615909	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6615909	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6615909	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6615909	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6615909	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6615909	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6615909	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6615909	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6615909	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6615909	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6615909	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6615909	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6615909	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6615909	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6615909	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10646920	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10646920	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10646920	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10646920	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	292459	20.0	10646920	0.140	1.40	4.47
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10646920	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10646920	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10646920	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10646920	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10646920	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10646920	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10646920	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10646920	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10646920	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10646920	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10646920	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10646920	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10646920	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10646920	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10646920	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10646920	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	10646920	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10646920	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10646920	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10646920	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10646920	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10646920	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10651981	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10651981	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10651981	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10651981	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10651981	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10651981	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10651981	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10651981	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10651981	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10651981	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10651981	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10651981	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10651981	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10651981	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10651981	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10651981	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10651981	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10651981	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10651981	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10651981	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10651981	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10651981	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10651981	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10651981	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10651981	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10651981	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10651981	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10651981	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10651981	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10651981	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10651981	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11768230	20.0	10651981	16.061	160.61	434.46
1	Pentafluorobenzene		IS			6615909	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10646920	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10651981	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5707649	5.0		2.382	95.26	95

File : C:\MSCHEM\1\DATA\08116B_3\2614430A.D
Operator : KL
Acquired : 11 Aug 126 1:20 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-302
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **31**

Client ID T-303

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 31**

File Name:	2614431A.D	**Date Sampled:**	7/22/2026	**Time:**	08:23
Description:	T-303	**Date Analyzed:**	8/6/2026	**Time:**	19:39
Canister:	754	**Can Dilution Factor:**	1.00		
QC_Batch:	080626-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.54	0.69	1.72	2.66	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.34	2.62	3.15	5.69	
74-87-3	Chloromethane	0.60	1.00	1.81	1.24	2.07	3.74	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.60	3.78	24.24	44.57	
107-02-8	Acrolein	0.40	1.20	2.64	0.92	2.76	6.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.74	4.76	5.71	20.79	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.39	1.18	3.54	4.12	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.66	1.41	3.53	5.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.67	4.48	6.40	5.33	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.50	1.64	13.13	6.14	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 31

File Name: 2614431A.D
Description T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	145.80	2.71	3.25	394.40	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 31

File Name: 2614431A.D
Description T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	31		
File Name:	2614431A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:23
Sample ID:	T-303	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	19:39
Anal Date:	6 Aug 126 7:39 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	754		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.154	1.69	42.00	80965
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	28365
67-56-1	Methanol	4	SA	0.434	2.49	31.00	210885
74-87-3	Chloromethane	5	SA	0.181	2.03	50.00	154838
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.360	3.39	46.00	284370
107-02-8	Acrolein	12	SA	0.264	3.75	56.00	39241
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.874	4.13	58.00	216206
67-63-0	2-propanol (isopropylalcohc	15	SA	0.079	3.99	45.00	90136
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.139	6.18	72.00	32479
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.166	4.33	57.00	216951
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.167	6.49	78.00	306131
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.150	10.50	58.00	155395
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.580	1.85	51.00	10102249
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6122765**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9331056**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10072915**
2037-26-5	Toluene-d8	61	SURR	2.457	8.85	98.00	**5159867**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 31
File Name: 2614431A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 754
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.15	1.54	2.66	1.54	2.66	2.66	2.66	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.43	4.34	5.69	4.34	5.69	5.69	5.69	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.18	1.81	3.74	1.81	3.74	3.74	3.74	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.36	23.60	44.57	23.60	44.57	44.57	44.57	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.26	2.64	6.07	2.64	6.07	6.07	6.07	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.87	8.74	20.79	8.74	20.79	20.79	20.79	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.08	0.79	1.95	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.14	1.39	4.12	1.39	4.12	4.12	4.12	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.17	1.66	5.87	1.66	5.87	5.87	5.87	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.17	1.67	5.33	1.67	5.33	5.33	5.33	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.15	1.50	6.14	1.50	6.14	6.14	6.14	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.58	145.80	394.40	145.80	394.40	394.40	394.40	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.54	2.66
ND		ND		Y	0.00	0.00
		=		Y	4.34	5.69
		=		Y	1.81	3.74
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	23.60	44.57
		=		Y	2.64	6.07
ND		ND		Y	0.00	0.00
		=		Y	8.74	20.79
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.39	4.12
ND	ND	Y	0.00	0.00
	=	Y	1.66	5.87
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.67	5.33
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.50	6.14

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**31**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

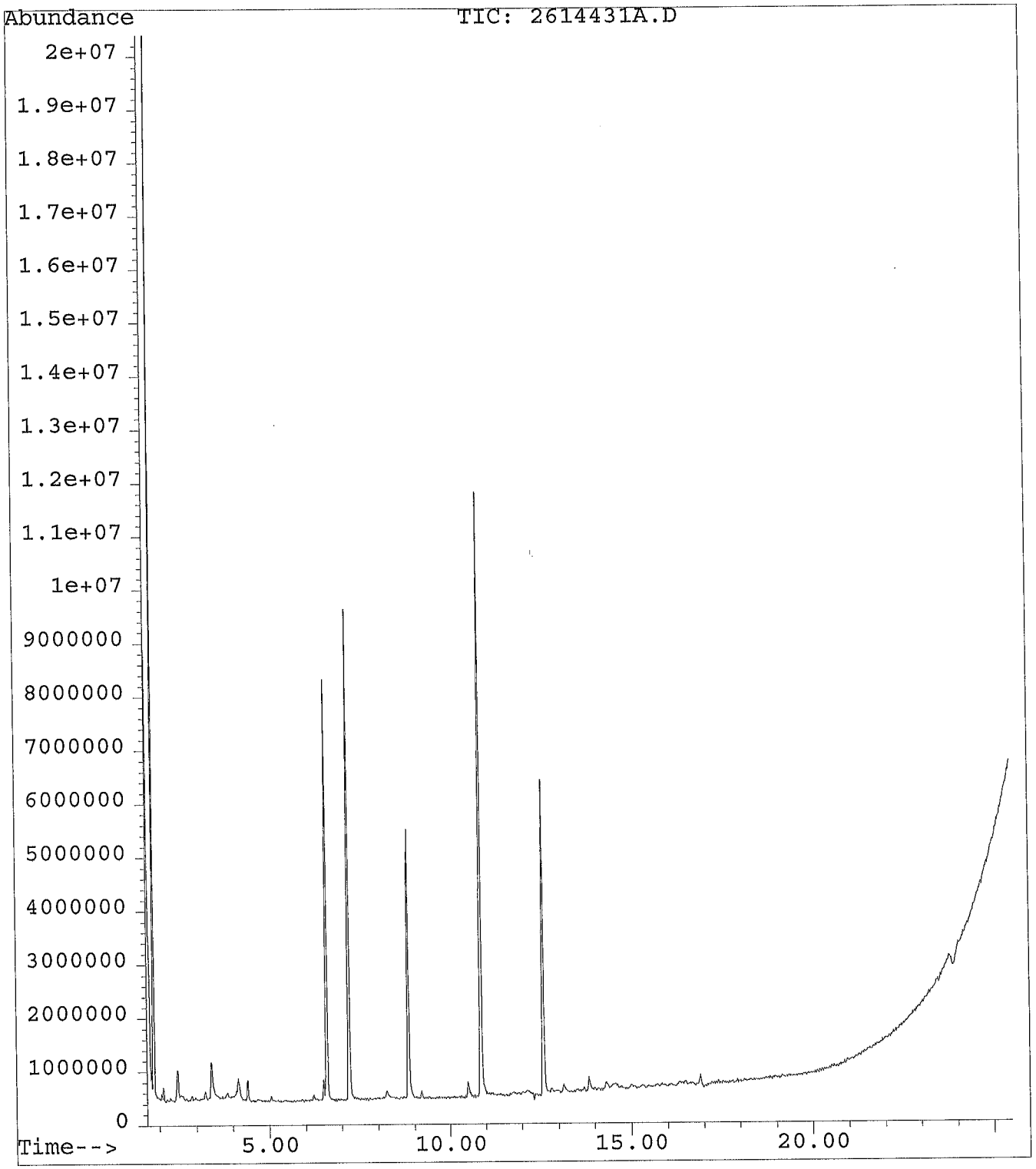
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	80965	20.0	6122765	0.154	1.54	2.66
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	28365	20.0	6122765	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	210885	20.0	6122765	0.434	4.34	5.69
5	Chloromethane	PFB	SA	50.5	0.699	154838	20.0	6122765	0.181	1.81	3.74
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6122765	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6122765	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6122765	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6122765	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6122765	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	284370	20.0	6122765	2.360	23.60	44.57
12	Acrolein	PFB	SA	56.1	0.121	39241	20.0	6122765	0.264	2.64	6.07
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6122765	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	216206	20.0	6122765	0.874	8.74	20.79
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	90136	20.0	6122765	0.079	0.79	1.95
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6122765	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6122765	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6122765	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6122765	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6122765	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6122765	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6122765	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6122765	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6122765	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6122765	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6122765	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6122765	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6122765	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6122765	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	32479	20.0	6122765	0.139	1.39	4.12
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6122765	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	216951	20.0	6122765	0.166	1.66	5.87
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6122765	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6122765	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6122765	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6122765	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6122765	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6122765	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6122765	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6122765	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6122765	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9331056	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9331056	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9331056	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9331056	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	306131	20.0	9331056	0.167	1.67	5.33
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9331056	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9331056	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9331056	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9331056	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9331056	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9331056	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9331056	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	9331056	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9331056	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9331056	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9331056	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9331056	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	9331056	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9331056	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9331056	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9331056	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	155395	20.0	9331056	0.150	1.50	6.14
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9331056	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9331056	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9331056	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9331056	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9331056	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10072915	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10072915	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10072915	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10072915	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10072915	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10072915	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10072915	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10072915	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10072915	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10072915	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10072915	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10072915	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10072915	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10072915	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10072915	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10072915	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10072915	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10072915	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10072915	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10072915	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10072915	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10072915	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10072915	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10072915	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10072915	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10072915	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10072915	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10072915	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10072915	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10072915	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10072915	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10102249	20.0	10072915	14.580	145.80	394.40
1	Pentafluorobenzene		IS			6122765	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9331056	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10072915	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5159867	5.0		2.457	98.26	98

File : C:\MSCHEM\1\DATA\08066B_3\2614431A.D
Operator : SW
Acquired : 6 Aug 126 7:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-303
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **32**

Client ID T-304

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description: T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.50	0.69	1.72	2.58	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.42	2.62	3.15	3.17	
74-87-3	Chloromethane	0.60	1.00	1.21	1.24	2.07	2.50	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	5.03	3.78	24.24	9.50	J
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.30	4.76	5.71	31.65	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.56	1.18	3.54	10.52	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.02	1.41	3.53	3.61	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.36	1.64	13.13	13.79	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	133.44	2.71	3.25	360.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	32		
File Name:	2614432A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:25
Sample ID:	T-304	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	20:17
Anal Date:	6 Aug 126 8:17 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	745		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.150	1.69	42.00	88145
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	27850
67-56-1	Methanol	4	SA	0.242	2.49	31.00	131548
74-87-3	Chloromethane	5	SA	0.121	2.03	50.00	115989
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.503	3.39	46.00	67926
107-02-8	Acrolein	12	SA	0.183	3.75	56.00	30400
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.330	4.13	58.00	368790
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.356	6.18	72.00	92977
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.102	4.33	57.00	149544
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.129	6.49	78.00	272856
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.336	10.50	58.00	402358
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.79	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.002	12.83	91.00	6514
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.344	1.85	51.00	9590523
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6862539**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10757769**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10448350**
2037-26-5	Toluene-d8	61	SURR	2.498	8.85	98.00	**6049357**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 32
File Name: 2614432A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 745
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.15	1.50	2.58	1.50	2.58	2.58	2.58	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.24	2.42	3.17	2.42	3.17	3.17	3.17	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.12	1.21	2.50	1.21	2.50	2.50	2.50	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.50	5.03	9.50	5.03	9.50	9.50	9.50	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.18	1.83	4.20	1.83	4.20	4.20	4.20	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.33	13.30	31.65	13.30	31.65	31.65	31.65	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.36	3.56	10.52	3.56	10.52	10.52	10.52	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.10	1.02	3.61	1.02	3.61	3.61	3.61	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.29	4.12	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.34	3.36	13.79	3.36	13.79	13.79	13.79	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.02	0.11	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.34	133.44	360.96	133.44	360.96	360.96	360.96	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.50	100	100	100	100	100	100	100	2.5	2.5	
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.50	2.58
ND		ND		Y	0.00	0.00
		=		Y	2.42	3.17
		=		Y	1.21	2.50
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	5.03	9.50
		=		Y	1.83	4.20
ND		ND		Y	0.00	0.00
		=		Y	13.30	31.65
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	Y	0.00	0.00		
ND	=	Y	3.56	10.52	
ND		Y	0.00	0.00	
ND	=	Y	1.02	3.61	
ND		Y	0.00	0.00	
ND		Y	0.00	0.00	
ND		Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**32**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdnl) (Cistdi) / (Cstdnl) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

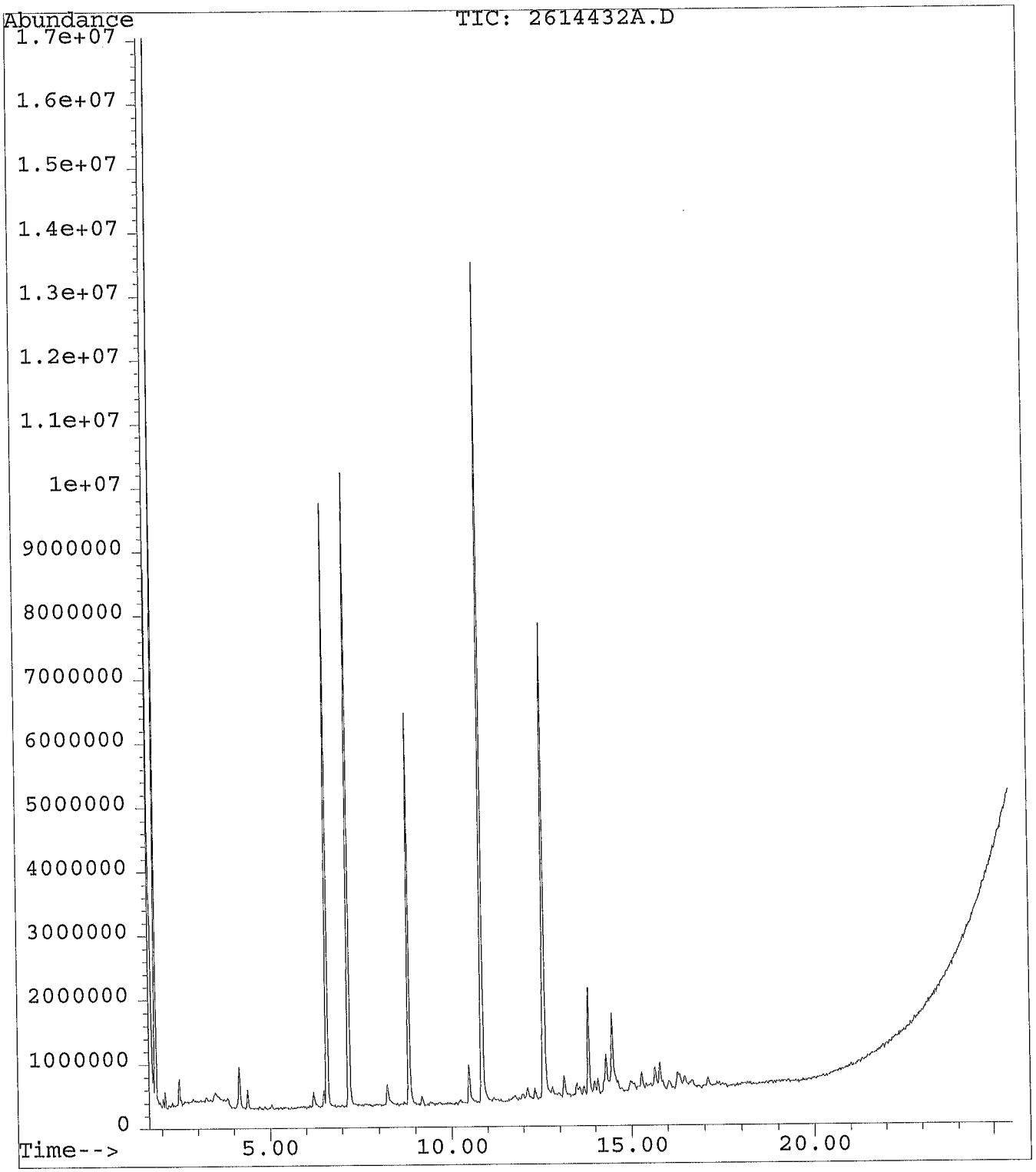
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	88145	20.0	6862539	0.150	1.50	2.58
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	27850	20.0	6862539	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	131548	20.0	6862539	0.242	2.42	3.17
5	Chloromethane	PFB	SA	50.5	0.699	115989	20.0	6862539	0.121	1.21	2.50
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6862539	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6862539	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6862539	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6862539	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6862539	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	67926	20.0	6862539	0.503	5.03	9.50
12	Acrolein	PFB	SA	56.1	0.121	30400	20.0	6862539	0.183	1.83	4.20
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6862539	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	368790	20.0	6862539	1.330	13.30	31.65
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6862539	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6862539	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6862539	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6862539	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6862539	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6862539	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6862539	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6862539	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6862539	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6862539	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6862539	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6862539	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6862539	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6862539	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6862539	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	92977	20.0	6862539	0.356	3.56	10.52
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6862539	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	149544	20.0	6862539	0.102	1.02	3.61
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6862539	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6862539	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6862539	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6862539	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6862539	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6862539	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6862539	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6862539	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6862539	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10757769	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10757769	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10757769	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10757769	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	272856	20.0	10757769	0.129	1.29	4.12
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10757769	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10757769	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10757769	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10757769	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10757769	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10757769	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10757769	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10757769	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10757769	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10757769	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10757769	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10757769	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10757769	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10757769	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10757769	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10757769	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	402358	20.0	10757769	0.336	3.36	13.79
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10757769	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10757769	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10757769	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10757769	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10757769	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10448350	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10448350	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10448350	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10448350	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10448350	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10448350	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10448350	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10448350	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10448350	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10448350	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10448350	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	6514	20.0	10448350	0.002	0.02	0.11
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10448350	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10448350	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10448350	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10448350	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10448350	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10448350	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10448350	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10448350	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10448350	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10448350	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10448350	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10448350	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10448350	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10448350	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10448350	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10448350	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10448350	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10448350	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10448350	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9590523	20.0	10448350	13.344	133.44	360.96
1	Pentafluorobenzene		IS			6862539	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10757769	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10448350	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6049357	5.0		2.498	99.92	100

File : C:\MSCHEM\1\DATA\08066B_3\2614432A.D
Operator : SW
Acquired : 6 Aug 126 8:17 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-304
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **33**

Client ID T-305

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 33**

File Name: 2614433A.D **Date Sampled:** 7/22/2026 **Time:** 09:58
Description: T-305 **Date Analyzed:** 8/7/2026 **Time:** 12:39
Canister: 741 **Can Dilution Factor:** 1.00
QC_Batch: 080726-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.77	0.69	1.72	3.05	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.79	2.62	3.15	11.52	
74-87-3	Chloromethane	0.60	1.00	1.49	1.24	2.07	3.07	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.32	3.78	24.24	28.93	
107-02-8	Acrolein	0.40	1.20	2.39	0.92	2.76	5.50	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	18.06	4.76	5.71	42.98	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.75	1.18	3.54	19.93	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.12	1.41	3.53	3.95	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.88	1.64	13.13	15.92	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 33

File Name: 2614433A.D
Description T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	171.87	2.71	3.25	464.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 33

File Name: 2614433A.D
Description T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	33		
File Name:	2614433A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	9:58
Sample ID:	T-305	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	12:39
Anal Date:	7 Aug 126 12:39 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	741		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.177	1.69	42.00	75642
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	20455
67-56-1	Methanol	4	SA	0.879	2.49	31.00	347352
74-87-3	Chloromethane	5	SA	0.149	2.03	50.00	103457
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.532	3.39	46.00	150233
107-02-8	Acrolein	12	SA	0.239	3.75	56.00	28900
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.806	4.13	58.00	363736
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.675	6.18	72.00	127927
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.112	4.33	57.00	118737
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.130	6.49	78.00	187579
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.388	10.50	58.00	316142
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.80	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.187	1.81	51.00	9562906
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4983142**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7325067**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8088705**
2037-26-5	Toluene-d8	61	SURR	2.411	8.85	98.00	**3976225**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 33
File Name: 2614433A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 741
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.18	1.77	3.05	1.77	3.05	3.05	3.05	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.88	8.79	11.52	8.79	11.52	11.52	11.52	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.15	1.49	3.07	1.49	3.07	3.07	3.07	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.53	15.32	28.93	15.32	28.93	28.93	28.93	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.24	2.39	5.50	2.39	5.50	5.50	5.50	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.81	18.06	42.98	18.06	42.98	42.98	42.98	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.68	6.75	19.93	6.75	19.93	19.93	19.93	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.11	1.12	3.95	1.12	3.95	3.95	3.95	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.30	4.16	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.39	3.88	15.92	3.88	15.92	15.92	15.92	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.19	171.87	464.92	171.87	464.92	464.92	464.92	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.41	96	96	96	96	96	96	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.77	3.05
ND		ND		Y	0.00	0.00
		=		Y	8.79	11.52
		=		Y	1.49	3.07
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	15.32	28.93
		=		Y	2.39	5.50
ND		ND		Y	0.00	0.00
		=		Y	18.06	42.98
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**33**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) / (Cstdni)] [(Cistdi) / (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

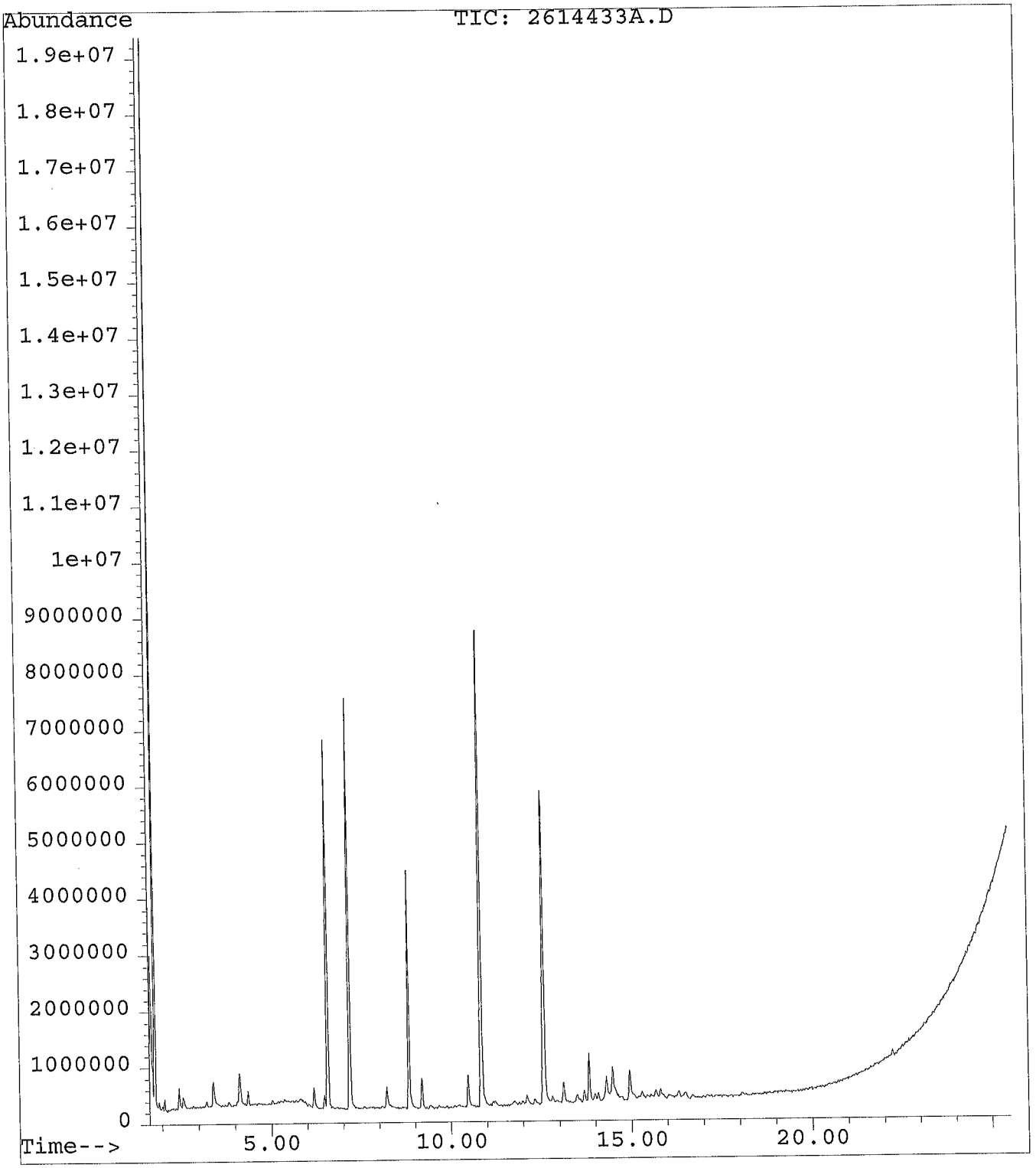
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	75642	20.0	4983142	0.177	1.77	3.05
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	20455	20.0	4983142	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	347352	20.0	4983142	0.879	8.79	11.52
5	Chloromethane	PFB	SA	50.5	0.699	103457	20.0	4983142	0.149	1.49	3.07
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4983142	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4983142	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4983142	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4983142	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4983142	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	150233	20.0	4983142	1.532	15.32	28.93
12	Acrolein	PFB	SA	56.1	0.121	28900	20.0	4983142	0.239	2.39	5.50
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4983142	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	363736	20.0	4983142	1.806	18.06	42.98
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4983142	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4983142	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4983142	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4983142	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4983142	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4983142	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4983142	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4983142	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4983142	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4983142	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4983142	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4983142	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4983142	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4983142	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4983142	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	127927	20.0	4983142	0.675	6.75	19.93
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4983142	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	118737	20.0	4983142	0.112	1.12	3.95
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4983142	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4983142	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4983142	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4983142	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4983142	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4983142	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4983142	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4983142	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4983142	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7325067	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7325067	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7325067	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7325067	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	187579	20.0	7325067	0.130	1.30	4.16
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7325067	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7325067	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7325067	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7325067	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7325067	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7325067	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7325067	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7325067	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7325067	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7325067	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7325067	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7325067	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7325067	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7325067	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7325067	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7325067	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	316142	20.0	7325067	0.388	3.88	15.92
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7325067	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7325067	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7325067	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7325067	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7325067	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8088705	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8088705	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8088705	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8088705	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8088705	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8088705	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8088705	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8088705	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8088705	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8088705	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8088705	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8088705	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8088705	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8088705	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8088705	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8088705	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8088705	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8088705	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8088705	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8088705	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8088705	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8088705	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8088705	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8088705	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8088705	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8088705	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8088705	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8088705	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8088705	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8088705	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8088705	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9562906	20.0	8088705	17.187	171.87	464.92
1	Pentafluorobenzene		IS			4983142	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7325067	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8088705	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3976225	5.0		2.411	96.46	96

File : C:\MSCHEM\1\DATA\08076B_3\2614433A.D
Operator : KL
Acquired : 7 Aug 126 12:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-305
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **34**

Client ID T-306

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 34**

File Name: 2614434A.D **Date Sampled:** 7/22/2026 **Time:** 10:01
Description: T-306 **Date Analyzed:** 8/7/2026 **Time:** 13:19
Canister: 708 **Can Dilution Factor:** 1.00
QC_Batch: 080726-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.75	0.69	1.72	8.19	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	31.97	2.62	3.15	41.90	
74-87-3	Chloromethane	0.60	1.00	3.51	1.24	2.07	7.26	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.25	1.55	3.89	12.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	14.45	3.78	24.24	27.29	
107-02-8	Acrolein	0.40	1.20	7.08	0.92	2.76	16.26	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	73.71	4.76	5.71	175.40	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.81	1.97	12.31	6.92	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.00	2.34	7.02	11.68	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	1.46	1.25	3.12	4.55	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	16.37	1.18	3.54	48.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.06	1.41	3.53	3.75	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	2.03	0.98	4.89	9.94	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	8.89	1.64	13.13	36.49	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	1.04	1.74	4.35	4.54	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.68	2.10	10.50	8.83	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	97	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	172.22	2.71	3.25	465.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	24.90	28.67	61.43	101.98
1-HEXANOL, 2-ETHYL-	7.00	15.00	19.50	28.67	61.43	79.86

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	34		
File Name:	2614434A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	10:01
Sample ID:	T-306	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	13:19
Anal Date:	7 Aug 126 1:19 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	708		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.475	1.69	42.00	245704
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	16995
67-56-1	Methanol	4	SA	3.197	2.49	31.00	1527278
74-87-3	Chloromethane	5	SA	0.351	2.03	50.00	295248
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.325	2.44	94.00	129633
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.445	3.39	46.00	171280
107-02-8	Acrolein	12	SA	0.708	3.75	56.00	103391
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	7.371	4.13	58.00	1794058
67-63-0	2-propanol (isopropylalcohc	15	SA	0.281	3.99	45.00	313940
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.200	3.51	142.00	20624
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.146	3.45	76.00	110231
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.637	6.18	72.00	375038
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.106	4.33	57.00	136218
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.203	5.83	83.00	**144867**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.131	6.49	78.00	219019
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.004	6.49	71.00	2072
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.889	10.50	58.00	840955
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.104	11.15	91.00	162323
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.168	17.95	128.00	136757
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.222	1.81	51.00	10947345
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6023074**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8498655**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9241146**
2037-26-5	Toluene-d8	61	SURR	2.437	8.85	98.00	**4661384**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 34
File Name: 2614434A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 708
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.48	4.75	8.19	4.75	8.19	8.19	8.19	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	3.20	31.97	41.90	31.97	41.90	41.90	41.90	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.35	3.51	7.26	3.51	7.26	7.26	7.26	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.33	3.25	12.65	3.25	12.65	12.65	12.65	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.45	14.45	27.29	14.45	27.29	27.29	27.29	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.71	7.08	16.26	7.08	16.26	16.26	16.26	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	7.37	73.71	175.40	73.71	175.40	175.40	175.40	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.28	2.81	6.92	2.81	6.92	6.92	6.92	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	2.00	11.68	2.00	11.68	11.68	11.68	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.15	1.46	4.55	1.46	4.55	4.55	4.55	0.100	0.250	0.40	1.25	1.00	3.12	

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.64	16.37	48.35	16.37	48.35	48.35	48.35	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.11	1.06	3.75	1.06	3.75	3.75	3.75	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.20	2.03	9.94	2.03	9.94	9.94	9.94	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.31	4.19	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.04	0.16	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.89	8.89	36.49	8.89	36.49	36.49	36.49	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.10	1.04	4.54	1.04	4.54	4.54	4.54	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.17	1.68	8.83	1.68	8.83	8.83	8.83	0.100	0.500	0.40	2.10	2.00	10.50	J
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.22	172.22	465.86	172.22	465.86	465.86	465.86	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.44	97	97	97	97	97	97	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.75	8.19
ND		ND		Y	0.00	0.00
		=		Y	31.97	41.90
		=		Y	3.51	7.26
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.25	12.65
ND		ND		Y	0.00	0.00
		=		Y	14.45	27.29
		=		Y	7.08	16.26
ND		ND		Y	0.00	0.00
		=		Y	73.71	175.40
J		=		Y	2.81	6.92
ND		ND		Y	0.00	0.00
		=		Y	2.00	11.68
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.46	4.55

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**34**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

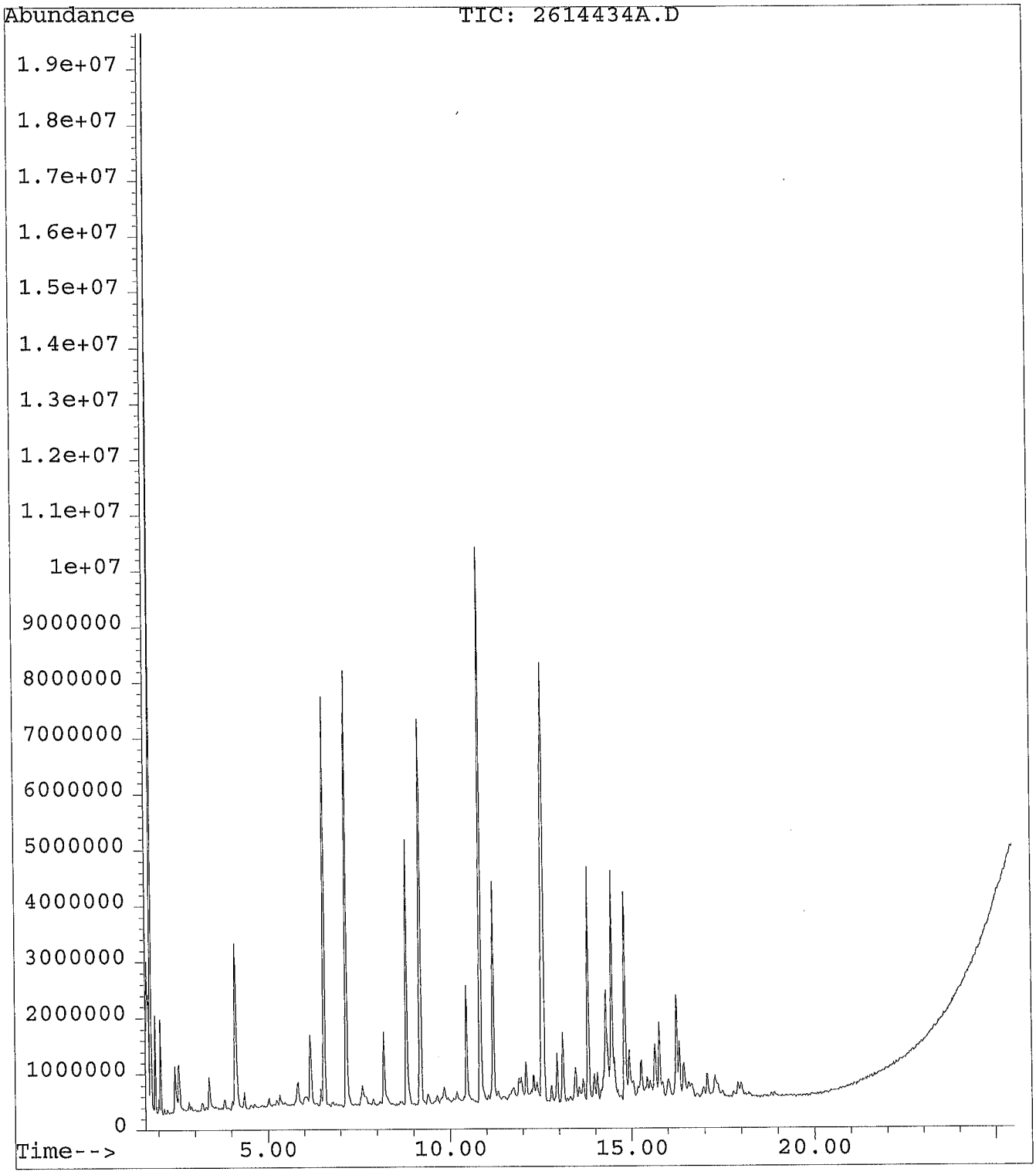
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	245704	20.0	6023074	0.475	4.75	8.19
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	16995	20.0	6023074	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	1527278	20.0	6023074	3.197	31.97	41.90
5	Chloromethane	PFB	SA	50.5	0.699	295248	20.0	6023074	0.351	3.51	7.26
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6023074	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6023074	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6023074	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	129633	20.0	6023074	0.325	3.25	12.65
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6023074	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	171280	20.0	6023074	1.445	14.45	27.29
12	Acrolein	PFB	SA	56.1	0.121	103391	20.0	6023074	0.708	7.08	16.26
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6023074	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	1794058	20.0	6023074	7.371	73.71	175.40
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	313940	20.0	6023074	0.281	2.81	6.92
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6023074	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	20624	20.0	6023074	0.200	2.00	11.68
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6023074	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6023074	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6023074	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6023074	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6023074	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	110231	20.0	6023074	0.146	1.46	4.55
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6023074	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6023074	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6023074	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6023074	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6023074	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6023074	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	375038	20.0	6023074	1.637	16.37	48.35
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6023074	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	136218	20.0	6023074	0.106	1.06	3.75
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6023074	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6023074	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6023074	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6023074	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6023074	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6023074	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6023074	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6023074	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	144867	20.0	6023074	0.203	2.03	9.94
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8498655	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8498655	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8498655	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8498655	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	219019	20.0	8498655	0.131	1.31	4.19
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8498655	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8498655	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8498655	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	2072	20.0	8498655	0.004	0.04	0.16
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8498655	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8498655	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8498655	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8498655	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8498655	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8498655	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8498655	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8498655	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	8498655	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8498655	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8498655	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8498655	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	840955	20.0	8498655	0.889	8.89	36.49
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8498655	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8498655	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8498655	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8498655	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8498655	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9241146	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9241146	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9241146	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	162323	20.0	9241146	0.104	1.04	4.54
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9241146	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9241146	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9241146	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9241146	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9241146	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9241146	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9241146	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9241146	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9241146	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9241146	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9241146	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9241146	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9241146	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9241146	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9241146	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9241146	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9241146	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	9241146	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9241146	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9241146	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9241146	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9241146	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9241146	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9241146	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	136757	20.0	9241146	0.168	1.68	8.83
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9241146	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9241146	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10947345	20.0	9241146	17.222	172.22	465.86
1	Pentafluorobenzene		IS			6023074	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8498655	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9241146	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4661384	5.0		2.437	97.47	97

File : C:\MSCHEM\1\DATA\08076B_3\2614434A.D
Operator : KL
Acquired : 7 Aug 126 1:19 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-306
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **35**

Client ID T-307

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 35

File Name: 2614435B.D
Description: T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.90	0.69	1.72	8.44	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.50	2.62	3.15	11.14	
74-87-3	Chloromethane	0.60	1.00	1.36	1.24	2.07	2.81	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	26.49	3.78	24.24	50.02	
107-02-8	Acrolein	0.40	1.20	2.79	0.92	2.76	6.40	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.82	4.76	5.71	23.37	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	1.99	2.34	7.02	11.65	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.60	1.18	3.54	4.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.78	1.41	3.53	2.77	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.84	0.98	4.89	4.13	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 35

File Name: 2614435B.D
Description T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	147.76	2.71	3.25	399.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 35

File Name: 2614435B.D
Description T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL	7.00	15.00	12.00	28.67	61.43	49.15

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	35		
File Name:	2614435B.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	10:01
Sample ID:	T-307	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	16:28
Anal Date:	7 Aug 126 4:28 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	698		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.490	1.69	42.00	347357
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	35598
67-56-1	Methanol	4	SA	0.850	2.49	31.00	557039
74-87-3	Chloromethane	5	SA	0.136	2.03	50.00	156826
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.649	3.39	46.00	430734
107-02-8	Acrolein	12	SA	0.279	3.75	56.00	55831
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.982	4.13	58.00	327877
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.199	3.51	142.00	27852
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.160	6.18	72.00	50240
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.078	4.33	57.00	138090
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.084	5.83	83.00	**82545**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.117	6.49	78.00	282604
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.33	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.776	1.85	51.00	12910457
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**8262630**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**12230847**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**12702081**
2037-26-5	Toluene-d8	61	SURR	2.389	8.85	98.00	**6576008**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 35
File Name: 2614435B.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 698
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.49	4.90	8.44	4.90	8.44	8.44	8.44	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.85	8.50	11.14	8.50	11.14	11.14	11.14	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.14	1.36	2.81	1.36	2.81	2.81	2.81	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.65	26.49	50.02	26.49	50.02	50.02	50.02	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.28	2.79	6.40	2.79	6.40	6.40	6.40	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.98	9.82	23.37	9.82	23.37	23.37	23.37	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	1.99	11.65	1.99	11.65	11.65	11.65	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.16	1.60	4.72	1.60	4.72	4.72	4.72	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.08	0.78	2.77	0.78	2.77	2.77	2.77	0.100	0.250	0.40	1.41	1.00	3.53	J
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.08	0.84	4.13	0.84	4.13	4.13	4.13	0.050	0.250	0.20	0.98	1.00	4.89	J
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.12	1.17	3.76	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.78	147.76	399.70	147.76	399.70	399.70	399.70	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.39	96	96	96	96	96	96	96	96	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.90	8.44
ND		ND		Y	0.00	0.00
		=		Y	8.50	11.14
		=		Y	1.36	2.81
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	26.49	50.02
		=		Y	2.79	6.40
ND		ND		Y	0.00	0.00
		=		Y	9.82	23.37
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.99	11.65
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.60	4.72
ND	ND	Y	0.00	0.00
J	=	Y	0.78	2.77
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.84	4.13
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**35**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

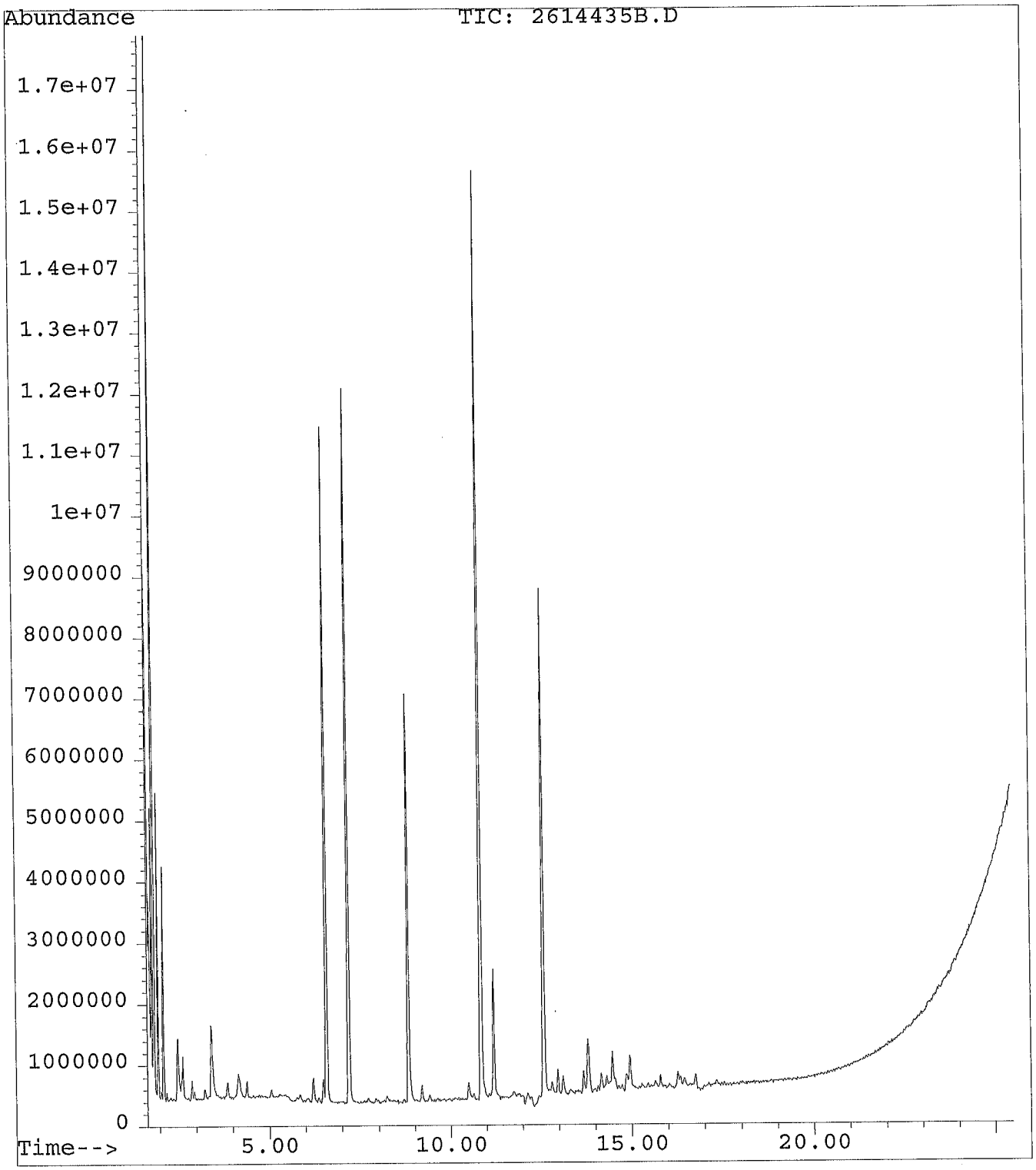
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	347357	20.0	8262630	0.490	4.90	8.44
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	35598	20.0	8262630	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	557039	20.0	8262630	0.850	8.50	11.14
5	Chloromethane	PFB	SA	50.5	0.699	156826	20.0	8262630	0.136	1.36	2.81
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	8262630	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	8262630	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	8262630	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	8262630	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	8262630	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	430734	20.0	8262630	2.649	26.49	50.02
12	Acrolein	PFB	SA	56.1	0.121	55831	20.0	8262630	0.279	2.79	6.40
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	8262630	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	327877	20.0	8262630	0.982	9.82	23.37
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	8262630	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	8262630	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	27852	20.0	8262630	0.199	1.99	11.65
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	8262630	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	8262630	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	8262630	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	8262630	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	8262630	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	8262630	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	8262630	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	8262630	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	8262630	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	8262630	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	8262630	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	8262630	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	50240	20.0	8262630	0.160	1.60	4.72
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	8262630	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	138090	20.0	8262630	0.078	0.78	2.77
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	8262630	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	8262630	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	8262630	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	8262630	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	8262630	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	8262630	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	8262630	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	8262630	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	82545	20.0	8262630	0.084	0.84	4.13
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	12230847	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	12230847	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	12230847	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	12230847	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	282604	20.0	12230847	0.117	1.17	3.76
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	12230847	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	12230847	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	12230847	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	12230847	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	12230847	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	12230847	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	12230847	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	12230847	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	12230847	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	12230847	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	12230847	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	12230847	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	12230847	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	12230847	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	12230847	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	12230847	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	12230847	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	12230847	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	12230847	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	12230847	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	12230847	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	12230847	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	12702081	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	12702081	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	12702081	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	12702081	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	12702081	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	12702081	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	12702081	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	12702081	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	12702081	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	12702081	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	12702081	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	12702081	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	12702081	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	12702081	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	12702081	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	12702081	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	12702081	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	12702081	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	12702081	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	12702081	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	12702081	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	12702081	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	12702081	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	12702081	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	12702081	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	12702081	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	12702081	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	12702081	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	12702081	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	12702081	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	12702081	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12910457	20.0	12702081	14.776	147.76	399.70
1	Pentafluorobenzene		IS			8262630	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			12230847	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			12702081	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6576008	5.0		2.389	95.54	96

File : C:\MSCHEM\1\DATA\08076B_3\2614435B.D
Operator : SW
Acquired : 7 Aug 126 4:28 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-307
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 36

Client ID T-308

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 36**

File Name: 2614436B.D **Date Sampled:** 7/22/2026 **Time:** 09:59
Description: T-308 **Date Analyzed:** 8/7/2026 **Time:** 17:03
Canister: **Can Dilution Factor:** 1.00
QC_Batch: 080726-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	179.83	0.69	1.72	309.91	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	26.00	2.62	3.15	34.07	
74-87-3	Chloromethane	0.60	1.00	11.85	1.24	2.07	24.51	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.57	1.55	3.89	17.77	
75-00-3	Chloroethane	0.40	1.00	19.50	1.06	2.64	51.51	
64-17-5	Ethanol	2.00	12.84	38.73	3.78	24.24	73.13	
107-02-8	Acrolein	0.40	1.20	77.37	0.92	2.76	177.77	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	55.20	4.76	5.71	131.36	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.86	1.97	12.31	4.59	J
75-65-0	t-Butyl alcohol	0.40	4.00	1.54	1.21	12.14	4.69	J
4227-95-6	Methyl iodide	0.40	1.20	3.33	2.34	7.02	19.52	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	1.05	0.79	3.17	4.15	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	49.43	1.41	3.53	174.50	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	9.10	0.79	3.97	36.11	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	10.25	0.81	4.05	41.54	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	70.28	0.69	3.45	242.36	
71-43-2	Benzene	1.40	2.00	24.92	4.48	6.40	79.72	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	18.73	0.94	4.68	87.59	
142-82-5	n-Heptane	0.40	1.00	60.58	1.64	4.10	248.62	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	7.44	0.54	5.38	40.05	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	34.68	3.02	3.77	130.80	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	9.15	0.68	6.79	62.13	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	23.90	1.74	4.35	103.97	
1330-20-7	m,p-Xylenes	0.40	1.00	27.23	1.74	4.35	118.44	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	8.59	1.74	4.35	37.38	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.59	3.94	13.78	12.73	J
622-96-8	4-Ethyltoluene	0.80	6.40	2.61	3.94	31.51	12.86	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.69	4.40	13.19	14.80	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	107	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 36

File Name: 2614436B.D
Description T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	184.51	2.71	3.25	499.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 36

File Name: 2614436B.D
Description: T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
BUTANE	7.00	15.00	234.40	28.67	61.43	959.98
BUTANE, 2-METHYL-	7.00	15.00	110.60	28.67	61.43	452.96
2-PENTENE	7.00	15.00	40.90	28.67	61.43	167.51
1-BUTENE, 2-METHYL-	7.00	15.00	23.60	28.67	61.43	96.65
BUTANE, 2,2-DIMETHYL	7.00	15.00	28.30	28.67	61.43	115.90
CYCLOHEXANE, 1,3-DIMETHYL, CIS-	7.00	15.00	33.20	28.67	61.43	135.97
CYCLOHEXANE, 1,1,3-TRIMETHYL-	7.00	15.00	37.10	28.67	61.43	151.94
BENZENE, 1-CHLORO-4-(TRIFLUOROMET	7.00	15.00	122.80	28.67	61.43	502.93
.ALPHA.-PINENE	7.00	15.00	35.30	28.67	61.43	144.57
2-HEPTANONE, 6-METHYL-	7.00	15.00	23.10	28.67	61.43	94.61

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	36		
File Name:	2614436B.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	9:59
Sample ID:	T-308	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	17:03
Anal Date:	7 Aug 126 5:03 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	17.983	1.69	42.00	10515592
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	2.600	2.49	31.00	1405055
74-87-3	Chloromethane	5	SA	1.185	2.03	50.00	1128272
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.457	2.44	94.00	206023
75-00-3	Chloroethane	10	SA	1.950	2.68	64.00	653155
64-17-5	Ethanol	11	SA	3.873	3.39	46.00	519307
107-02-8	Acrolein	12	SA	7.737	3.75	56.00	1278510
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	5.520	4.13	58.00	1520017
67-63-0	2-propanol (isopropylalcohc	15	SA	0.186	3.99	45.00	235601
75-65-0	t-Butyl alcohol	16	SA	0.154	4.50	59.00	188424
4227-95-6	Methyl iodide	17	SA	0.333	3.51	142.00	102835
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.105	4.28	96.00	55843
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	4.943	4.33	57.00	7174967
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.910	5.54	96.00	497783
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	1.025	6.71	61.95	649601
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	7.028	5.78	56.00	7619115
71-43-2	Benzene	47	SA	2.492	6.49	78.00	4834383
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	1.873	6.34	57.00	6142901
142-82-5	n-Heptane	51	SA	6.058	6.49	71.00	3656660
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.744	6.49	130.00	534204
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	3.468	8.92	91.00	6232164
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.915	9.41	166.00	745348
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	2.390	10.94	106	6186511
1330-20-7	m,p-Xylenes	75	SA	2.723	11.15	91.00	5966350
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.859	11.72	91.00	1923868
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.259	12.24	105.00	578389
622-96-8	4-Ethyltoluene	85	SA	0.261	13.00	105.00	651628
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.269	14.10	119.00	904310
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.451	1.85	51.00	16520127
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6814212**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9859413**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**13016335**
2037-26-5	Toluene-d8	61	SURR	2.679	8.85	98.00	**5944530**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 36
File Name: 2614436B.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	17.98	179.83	309.91	179.83	309.91	309.91	309.91	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	2.60	26.00	34.07	26.00	34.07	34.07	34.07	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	1.18	11.85	24.51	11.85	24.51	24.51	24.51	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.46	4.57	17.77	4.57	17.77	17.77	17.77	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	1.95	19.50	51.51	19.50	51.51	51.51	51.51	0.100	0.250	0.40	1.06	1.00	2.64	
Ethanol	46.1	3.87	38.73	73.13	38.73	73.13	73.13	73.13	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	7.74	77.37	177.77	77.37	177.77	177.77	177.77	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	5.52	55.20	131.36	55.20	131.36	131.36	131.36	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.19	1.86	4.59	1.86	4.59	4.59	4.59	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.15	1.54	4.69	1.54	4.69	4.69	4.69	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.33	3.33	19.52	3.33	19.52	19.52	19.52	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.10	1.05	4.15	1.05	4.15	4.15	4.15	0.050	0.200	0.20	0.79	0.80	3.17	
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	4.94	49.43	174.50	49.43	174.50	174.50	174.50	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.91	9.10	36.11	9.10	36.11	36.11	36.11	0.050	0.250	0.20	0.79	1.00	3.97	
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	1.02	10.25	41.54	10.25	41.54	41.54	41.54	0.050	0.250	0.20	0.81	1.00	4.05	
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	7.03	70.28	242.36	70.28	242.36	242.36	242.36	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	2.49	24.92	79.72	24.92	79.72	79.72	79.72	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	1.87	18.73	87.59	18.73	87.59	87.59	87.59	0.050	0.250	0.20	0.94	1.00	4.68	
n-Heptane	100.2	6.06	60.58	248.62	60.58	248.62	248.62	248.62	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.74	7.44	40.05	7.44	40.05	40.05	40.05	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	3.47	34.68	130.80	34.68	130.80	130.80	130.80	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.91	9.15	62.13	9.15	62.13	62.13	62.13	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	2.39	23.90	103.97	23.90	103.97	103.97	103.97	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	2.72	27.23	118.44	27.23	118.44	118.44	118.44	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.86	8.59	37.38	8.59	37.38	37.38	37.38	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.26	2.59	12.73	2.59	12.73	12.73	12.73	0.200	0.700	0.80	3.94	2.80	13.78	J
4-Ethyltoluene	120.2	0.26	2.61	12.86	2.61	12.86	12.86	12.86	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.27	2.69	14.80	2.69	14.80	14.80	14.80	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.45	184.51	499.11	184.51	499.11	499.11	499.11	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.68	107	107	107	107	107	107	107	107	2.5	2.5	2.5
0													
0													
0													

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	179.83	309.91
ND		ND		Y	0.00	0.00
		=		Y	26.00	34.07
		=		Y	11.85	24.51
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	4.57	17.77
		=		Y	19.50	51.51
		=		Y	38.73	73.13
		=		Y	77.37	177.77
ND		ND		Y	0.00	0.00
		=		Y	55.20	131.36
J		=		Y	1.86	4.59
J		=		Y	1.54	4.69
		=		Y	3.33	19.52
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

	=	Y	1.05	4.15
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	49.43	174.50
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	9.10	36.11
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	10.25	41.54
ND	ND	Y	0.00	0.00
	=	Y	70.28	242.36
	=	Y	24.92	79.72
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	18.73	87.59
	=	Y	60.58	248.62
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	7.44	40.05
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	34.68	130.80
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	9.15	62.13
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	23.90	103.97
	=	Y	27.23	118.44
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.59	37.38
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	2.59	12.73
J	=	Y	2.61	12.86
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.69	14.80
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	184.51	499.11
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**36**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

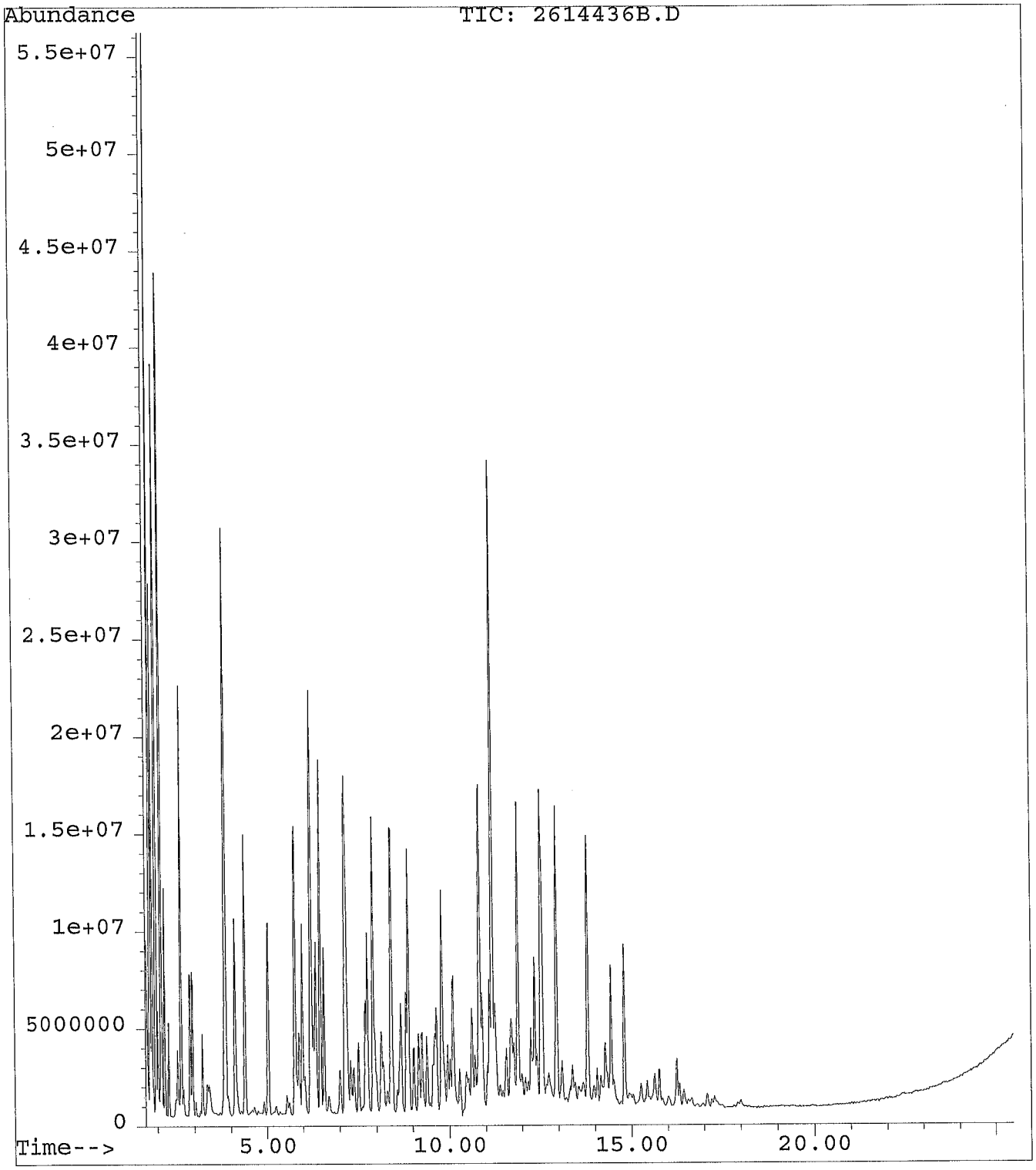
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	10515592	20.0	6814212	17.983	179.83	309.91
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6814212	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	1405055	20.0	6814212	2.600	26.00	34.07
5	Chloromethane	PFB	SA	50.5	0.699	1128272	20.0	6814212	1.185	11.85	24.51
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6814212	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6814212	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6814212	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	206023	20.0	6814212	0.457	4.57	17.77
10	Chloroethane	PFB	SA	64.5	0.204	653155	20.0	6814212	1.950	19.50	51.51
11	Ethanol	PFB	SA	46.1	0.098	519307	20.0	6814212	3.873	38.73	73.13
12	Acrolein	PFB	SA	56.1	0.121	1278510	20.0	6814212	7.737	77.37	177.77
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6814212	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	1520017	20.0	6814212	5.520	55.20	131.36
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	235601	20.0	6814212	0.186	1.86	4.59
16	t-Butyl alcohol	PFB	SA	74.1	0.895	188424	20.0	6814212	0.154	1.54	4.69
17	Methyl iodide	PFB	SA	142.9	0.305	102835	20.0	6814212	0.333	3.33	19.52
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6814212	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6814212	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6814212	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6814212	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6814212	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6814212	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	55843	20.0	6814212	0.105	1.05	4.15
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6814212	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6814212	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6814212	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6814212	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6814212	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6814212	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6814212	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	7174967	20.0	6814212	4.943	49.43	174.50
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6814212	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6814212	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6814212	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6814212	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6814212	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6814212	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	497783	20.0	6814212	0.910	9.10	36.11
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6814212	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6814212	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9859413	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	649601	20.0	9859413	1.025	10.25	41.54
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9859413	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	7619115	20.0	9859413	7.028	70.28	242.36
47	Benzene	14DFB	SA	78.1	0.984	4834383	20.0	9859413	2.492	24.92	79.72
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9859413	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9859413	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	6142901	20.0	9859413	1.873	18.73	87.59
51	n-Heptane	14DFB	SA	100.2	0.306	3656660	20.0	9859413	6.058	60.58	248.62
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9859413	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9859413	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9859413	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	534204	20.0	9859413	0.744	7.44	40.05
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9859413	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9859413	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9859413	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9859413	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	6232164	20.0	9859413	3.468	34.68	130.80
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9859413	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9859413	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9859413	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	9859413	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9859413	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9859413	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9859413	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9859413	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	745348	20.0	9859413	0.915	9.15	62.13
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	13016335	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	13016335	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	6186511	20.0	13016335	2.390	23.90	103.97
75	m,p-Xylenes	d5CB	SA	106.2	0.842	5966350	20.0	13016335	2.723	27.23	118.44
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	13016335	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	13016335	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	13016335	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	1923868	20.0	13016335	0.859	8.59	37.38
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	13016335	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	13016335	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	13016335	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	13016335	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	578389	20.0	13016335	0.259	2.59	12.73
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	651628	20.0	13016335	0.261	2.61	12.86
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	13016335	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	13016335	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	13016335	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	13016335	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	13016335	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	13016335	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	13016335	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	904310	20.0	13016335	0.269	2.69	14.80
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	13016335	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	13016335	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	13016335	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	13016335	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	13016335	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	13016335	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	13016335	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	13016335	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	13016335	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	16520127	20.0	13016335	18.451	184.51	499.11
1	Pentafluorobenzene		IS			6814212	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9859413	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			13016335	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5944530	5.0		2.679	107.14	107

File : C:\MSCHEM\1\DATA\08076B_3\2614436B.D
Operator : SW
Acquired : 7 Aug 126 5:03 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-308
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 37

Client ID T-309

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 37**

File Name: 2614437A.D
Description: T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	10.60	0.69	1.72	18.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.23	1.24	2.07	2.54	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	3.75	0.92	2.76	8.61	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.07	4.76	5.71	21.59	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.02	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.68	1.18	3.54	19.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.10	1.41	3.53	3.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.39	0.69	3.45	4.80	
71-43-2	Benzene	1.40	2.00	2.07	4.48	6.40	6.61	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	1.07	1.64	4.10	4.40	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.36	3.02	3.77	5.12	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.42	1.64	13.13	5.82	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.19	1.74	4.35	5.18	
1330-20-7	m,p-Xylenes	0.40	1.00	0.99	1.74	4.35	4.31	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.72	1.74	4.35	3.13	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	138.82	2.71	3.25	375.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	37		
File Name:	2614437A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:17
Sample ID:	T-309	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	17:39
Anal Date:	7 Aug 126 5:39 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	647		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	1.060	1.69	42.00	725757
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.123	2.03	50.00	136988
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.375	3.75	56.00	72486
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.907	4.13	58.00	292421
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.188	3.51	142.00	19338
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.668	6.18	72.00	202620
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.110	4.33	57.00	186106
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.139	5.78	56.00	170714
71-43-2	Benzene	47	SA	0.207	6.49	78.00	453071
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.107	6.49	71.00	73117
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.136	8.92	91.00	276005
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.142	10.50	58.00	176040
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.119	10.94	106	252444
1330-20-7	m,p-Xylenes	75	SA	0.099	11.15	91.00	177553
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.072	11.76	91.00	131658
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.882	1.88	51.00	10170601
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7977484**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**11150419**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10651076**
2037-26-5	Toluene-d8	61	SURR	2.247	8.85	98.00	**5639705**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 37
File Name: 2614437A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 647
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	1.06	10.60	18.27	10.60	18.27	18.27	18.27	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.12	1.23	2.54	1.23	2.54	2.54	2.54	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.37	3.75	8.61	3.75	8.61	8.61	8.61	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.91	9.07	21.59	9.07	21.59	21.59	21.59	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.19	1.88	11.02	1.88	11.02	11.02	11.02	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.67	6.68	19.72	6.68	19.72	19.72	19.72	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.11	1.10	3.87	1.10	3.87	3.87	3.87	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.14	1.39	4.80	1.39	4.80	4.80	4.80	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.21	2.07	6.61	2.07	6.61	6.61	6.61	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.11	1.07	4.40	1.07	4.40	4.40	4.40	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.14	1.36	5.12	1.36	5.12	5.12	5.12	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.14	1.42	5.82	1.42	5.82	5.82	5.82	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.12	1.19	5.18	1.19	5.18	5.18	5.18	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.10	0.99	4.31	0.99	4.31	4.31	4.31	0.100	0.250	0.40	1.74	1.00	4.35	J
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.07	0.72	3.13	0.72	3.13	3.13	3.13	0.100	0.250	0.40	1.74	1.00	4.35	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.88	138.82	375.51	138.82	375.51	375.51	375.51	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.25	90	90	90	90	90	90	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	10.60	18.27
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.23	2.54
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.75	8.61
ND		ND		Y	0.00	0.00
		=		Y	9.07	21.59
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.88	11.02
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	6.68	19.72
ND	ND	Y	0.00	0.00
	=	Y	1.10	3.87
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.39	4.80
	=	Y	2.07	6.61
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.07	4.40
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.36	5.12
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.42	5.82

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.19	5.18
J	=	Y	0.99	4.31
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.72	3.13
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	138.82	375.51
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**37**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

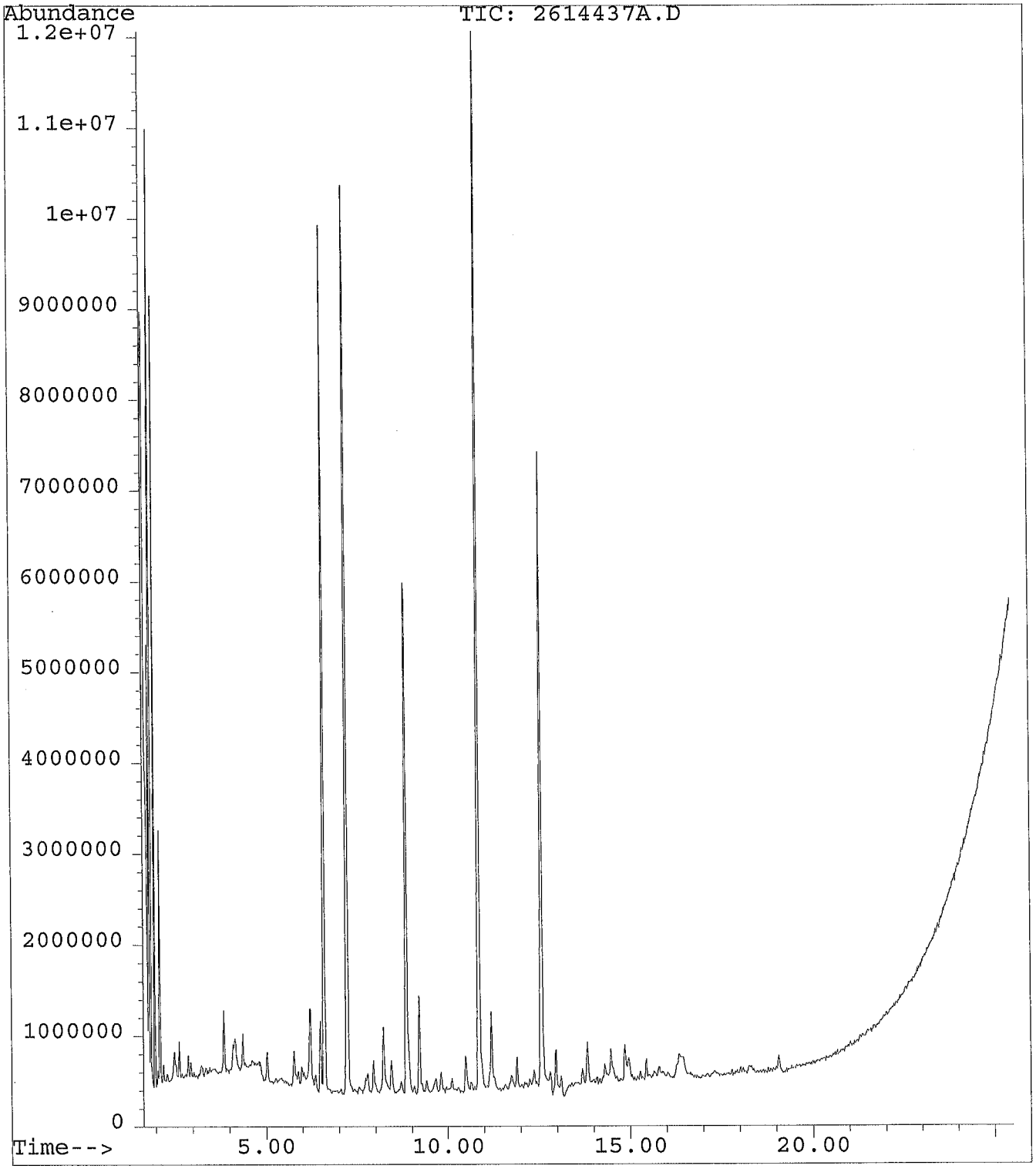
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	725757	20.0	7977484	1.060	10.60	18.27
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	7977484	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	7977484	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	136988	20.0	7977484	0.123	1.23	2.54
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7977484	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7977484	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7977484	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	7977484	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7977484	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	7977484	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	72486	20.0	7977484	0.375	3.75	8.61
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7977484	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	292421	20.0	7977484	0.907	9.07	21.59
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	7977484	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	7977484	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	19338	20.0	7977484	0.188	1.88	11.02
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7977484	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7977484	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7977484	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7977484	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7977484	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7977484	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7977484	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7977484	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7977484	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7977484	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7977484	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7977484	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	202620	20.0	7977484	0.668	6.68	19.72
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7977484	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	186106	20.0	7977484	0.110	1.10	3.87
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7977484	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7977484	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7977484	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7977484	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7977484	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7977484	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7977484	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7977484	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	7977484	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	11150419	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	11150419	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	11150419	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	170714	20.0	11150419	0.139	1.39	4.80
47	Benzene	14DFB	SA	78.1	0.984	453071	20.0	11150419	0.207	2.07	6.61
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	11150419	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	11150419	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	11150419	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	73117	20.0	11150419	0.107	1.07	4.40
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	11150419	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	11150419	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	11150419	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	11150419	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	11150419	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	11150419	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	11150419	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	11150419	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	276005	20.0	11150419	0.136	1.36	5.12
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	11150419	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	11150419	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	11150419	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	176040	20.0	11150419	0.142	1.42	5.82
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	11150419	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	11150419	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	11150419	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	11150419	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	11150419	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10651076	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10651076	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	252444	20.0	10651076	0.119	1.19	5.18
75	m,p-Xylenes	d5CB	SA	106.2	0.842	177553	20.0	10651076	0.099	0.99	4.31
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10651076	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10651076	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10651076	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	131658	20.0	10651076	0.072	0.72	3.13
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10651076	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10651076	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10651076	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10651076	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10651076	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10651076	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10651076	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10651076	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10651076	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10651076	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10651076	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10651076	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10651076	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10651076	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10651076	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10651076	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10651076	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10651076	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10651076	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10651076	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10651076	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10651076	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10651076	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10170601	20.0	10651076	13.882	138.82	375.51
1	Pentafluorobenzene		IS			7977484	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			11150419	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10651076	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5639705	5.0		2.247	89.88	90

File : C:\MSCHEM\1\DATA\08076B_3\2614437A.D
Operator : SW
Acquired : 7 Aug 126 5:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-309
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 38

Client ID T-310

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 38**

File Name: 2614438A.D **Date Sampled:** 7/22/2026 **Time:** 11:22
Description: T-310 **Date Analyzed:** 8/7/2026 **Time:** 18:16
Canister: 654 **Can Dilution Factor:** 1.00
QC_Batch: 080726-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.69	0.69	1.72	4.64	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.97	1.24	2.07	4.08	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	114.70	3.78	24.24	216.55	
107-02-8	Acrolein	0.40	1.20	8.17	0.92	2.76	18.78	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	137.14	4.76	5.71	326.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.76	1.97	12.31	21.57	
75-65-0	t-Butyl alcohol	0.40	4.00	1.98	1.21	12.14	6.01	J
4227-95-6	Methyl iodide	0.40	1.20	1.98	2.34	7.02	11.56	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	96.41	1.18	3.54	284.68	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.22	1.41	3.53	4.30	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.10	4.48	6.40	6.70	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	3.13	1.64	13.13	12.86	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	13.11	1.64	13.13	53.81	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 38**

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	142.99	2.71	3.25	386.81	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 38

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	38		
File Name:	2614438A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:22
Sample ID:	T-310	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	18:16
Anal Date:	7 Aug 126 6:16 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	654		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.269	1.69	42.00	177926
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.197	2.03	50.00	212080
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	11.470	3.39	46.00	1737437
107-02-8	Acrolein	12	SA	0.817	3.75	56.00	152601
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	13.714	4.13	58.00	4266139
67-63-0	2-propanol (isopropylalcohc	15	SA	0.876	3.99	45.00	1251514
75-65-0	t-Butyl alcohol	16	SA	0.198	4.50	59.00	273201
4227-95-6	Methyl iodide	17	SA	0.198	3.51	142.00	24913
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	9.641	6.18	72.00	2822638
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.122	4.33	57.00	199935
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.210	6.49	78.00	484026
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.313	9.40	58.00	239980
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	1.311	10.50	58.00	1713195
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.75	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.299	1.81	51.00	10932530
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7698473**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**11742951**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11114535**
2037-26-5	Toluene-d8	61	SURR	2.456	8.85	98.00	**6493083**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 38
File Name: 2614438A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 654
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.27	2.69	4.64	2.69	4.64	4.64	4.64	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.20	1.97	4.08	1.97	4.08	4.08	4.08	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	11.47	114.70	216.55	114.70	216.55	216.55	216.55	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.82	8.17	18.78	8.17	18.78	18.78	18.78	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	13.71	137.14	326.32	137.14	326.32	326.32	326.32	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.88	8.76	21.57	8.76	21.57	21.57	21.57	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	0.20	1.98	6.01	1.98	6.01	6.01	6.01	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.20	1.98	11.56	1.98	11.56	11.56	11.56	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	9.64	96.41	284.68	96.41	284.68	284.68	284.68	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.12	1.22	4.30	1.22	4.30	4.30	4.30	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.21	2.10	6.70	2.10	6.70	6.70	6.70	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.31	3.13	12.86	3.13	12.86	12.86	12.86	0.100	0.800	0.40	1.64	3.20	13.13	J
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	1.31	13.11	53.81	13.11	53.81	53.81	53.81	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.30	142.99	386.81	142.99	386.81	386.81	386.81	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	98	98	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.69	4.64
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.97	4.08
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	114.70	216.55
		=		Y	8.17	18.78
ND		ND		Y	0.00	0.00
		=		Y	137.14	326.32
		=		Y	8.76	21.57
J		=		Y	1.98	6.01
		=		Y	1.98	11.56
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	96.41	284.68
ND	ND	Y	0.00	0.00
	=	Y	1.22	4.30
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.10	6.70
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	3.13	12.86
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	13.11	53.81

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**38**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

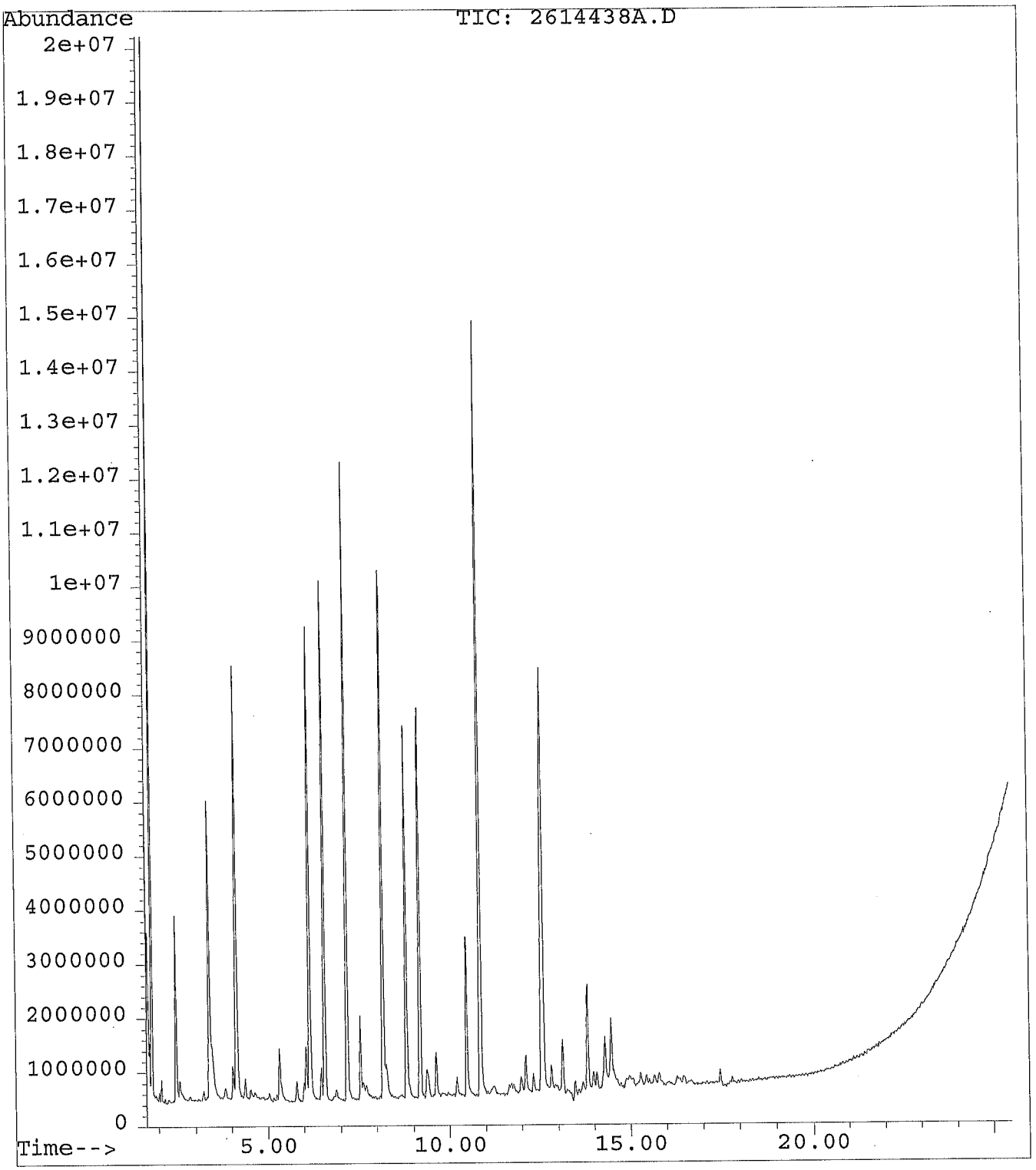
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	177926	20.0	7698473	0.269	2.69	4.64
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	7698473	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	7698473	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	212080	20.0	7698473	0.197	1.97	4.08
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7698473	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7698473	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7698473	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	7698473	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7698473	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1737437	20.0	7698473	11.470	114.70	216.55
12	Acrolein	PFB	SA	56.1	0.121	152601	20.0	7698473	0.817	8.17	18.78
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7698473	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	4266139	20.0	7698473	13.714	137.14	326.32
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	1251514	20.0	7698473	0.876	8.76	21.57
16	t-Butyl alcohol	PFB	SA	74.1	0.895	273201	20.0	7698473	0.198	1.98	6.01
17	Methyl iodide	PFB	SA	142.9	0.305	24913	20.0	7698473	0.198	1.98	11.56
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7698473	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7698473	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7698473	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7698473	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7698473	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7698473	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7698473	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7698473	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7698473	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7698473	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7698473	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7698473	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	2822638	20.0	7698473	9.641	96.41	284.68
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7698473	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	199935	20.0	7698473	0.122	1.22	4.30
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7698473	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7698473	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7698473	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7698473	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7698473	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7698473	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7698473	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7698473	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	7698473	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	11742951	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	11742951	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	11742951	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	11742951	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	484026	20.0	11742951	0.210	2.10	6.70
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	11742951	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	11742951	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	11742951	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	11742951	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	11742951	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	11742951	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	11742951	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	11742951	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	11742951	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	11742951	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	239980	20.0	11742951	0.313	3.13	12.86
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	11742951	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	11742951	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	11742951	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	11742951	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	11742951	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	1713195	20.0	11742951	1.311	13.11	53.81
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	11742951	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	11742951	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	11742951	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	11742951	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	11742951	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11114535	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11114535	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	11114535	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	11114535	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	11114535	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	11114535	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11114535	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	11114535	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11114535	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11114535	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11114535	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	11114535	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	11114535	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	11114535	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	11114535	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	11114535	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11114535	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	11114535	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	11114535	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	11114535	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11114535	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	11114535	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11114535	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11114535	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	11114535	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11114535	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11114535	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	11114535	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	11114535	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	11114535	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11114535	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10932530	20.0	11114535	14.299	142.99	386.81
1	Pentafluorobenzene		IS			7698473	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			11742951	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11114535	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6493083	5.0		2.456	98.26	98

File : C:\MSCHEM\1\DATA\08076B_3\2614438A.D
Operator : SW
Acquired : 7 Aug 126 6:16 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-310
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **39**

Client ID T-311

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 39**

File Name:	2614439A.D	**Date Sampled:**	7/22/2026	**Time:**	11:15
Description:	T-311	**Date Analyzed:**	8/7/2026	**Time:**	18:55
Canister:	605	**Can Dilution Factor:**	1.00		
QC_Batch:	080726-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.40	0.69	1.72	2.42	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.68	1.24	2.07	3.48	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	281.74	3.78	24.24	531.93	
107-02-8	Acrolein	0.40	1.20	4.26	0.92	2.76	9.80	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	12.41	4.76	5.71	29.54	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.87	2.34	7.02	10.95	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.00	1.18	3.54	14.75	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.57	1.41	3.53	2.02	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.20	1.64	13.13	4.91	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 39**

File Name:	2614439A.D	**Date Sampled:**	7/22/2026	**Time:**	11:15
Description	T-311	**Date Analyzed:**	8/7/2026	**Time:**	18:55
Canister:	605	**Can Dilution Factor:**	1.00		
QC_Batch:	080726-MA1	**Air Volume:**	100 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	119.08	2.71	3.25	322.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	39		
File Name:	2614439A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:15
Sample ID:	T-311	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	18:55
Anal Date:	7 Aug 126 6:55 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	605		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.140	1.69	42.00	123124
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.168	2.03	50.00	240123
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	28.174	3.39	46.00	5665664
107-02-8	Acrolein	12	SA	0.426	3.75	56.00	105683
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.241	4.13	58.00	512631
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.187	3.51	142.00	23622
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.500	6.18	72.00	194190
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.057	4.33	57.00	124276
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.139	6.49	78.00	414234
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.003	9.67	69.00	3845
591-78-6	2-Hexanone	65	SA	0.120	10.50	58.00	202279
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.75	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	11.908	1.83	51.00	11828739
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**10220136**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**15185806**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**14441081**
2037-26-5	Toluene-d8	61	SURR	2.534	8.85	98.00	**8661835**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 39
File Name: 2614439A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 605
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.14	1.40	2.42	1.40	2.42	2.42	2.42	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.17	1.68	3.48	1.68	3.48	3.48	3.48	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	28.17	281.74	531.93	281.74	531.93	531.93	531.93	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.43	4.26	9.80	4.26	9.80	9.80	9.80	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.24	12.41	29.54	12.41	29.54	29.54	29.54	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.19	1.87	10.95	1.87	10.95	10.95	10.95	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.50	5.00	14.75	5.00	14.75	14.75	14.75	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.06	0.57	2.02	0.57	2.02	2.02	2.02	0.100	0.250	0.40	1.41	1.00	3.53	J
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.39	4.43	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.03	0.12	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.12	1.20	4.91	1.20	4.91	4.91	4.91	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	11.91	119.08	322.11	119.08	322.11	322.11	322.11	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.53	101	101	101	101	101	101	101	101	2.5	2.5	
	0												
	0												
	0												

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.40	2.42
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.68	3.48
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	281.74	531.93
		=		Y	4.26	9.80
ND		ND		Y	0.00	0.00
		=		Y	12.41	29.54
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.87	10.95
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	5.00	14.75
ND	ND	Y	0.00	0.00
J	=	Y	0.57	2.02
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.20	4.91

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**39**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

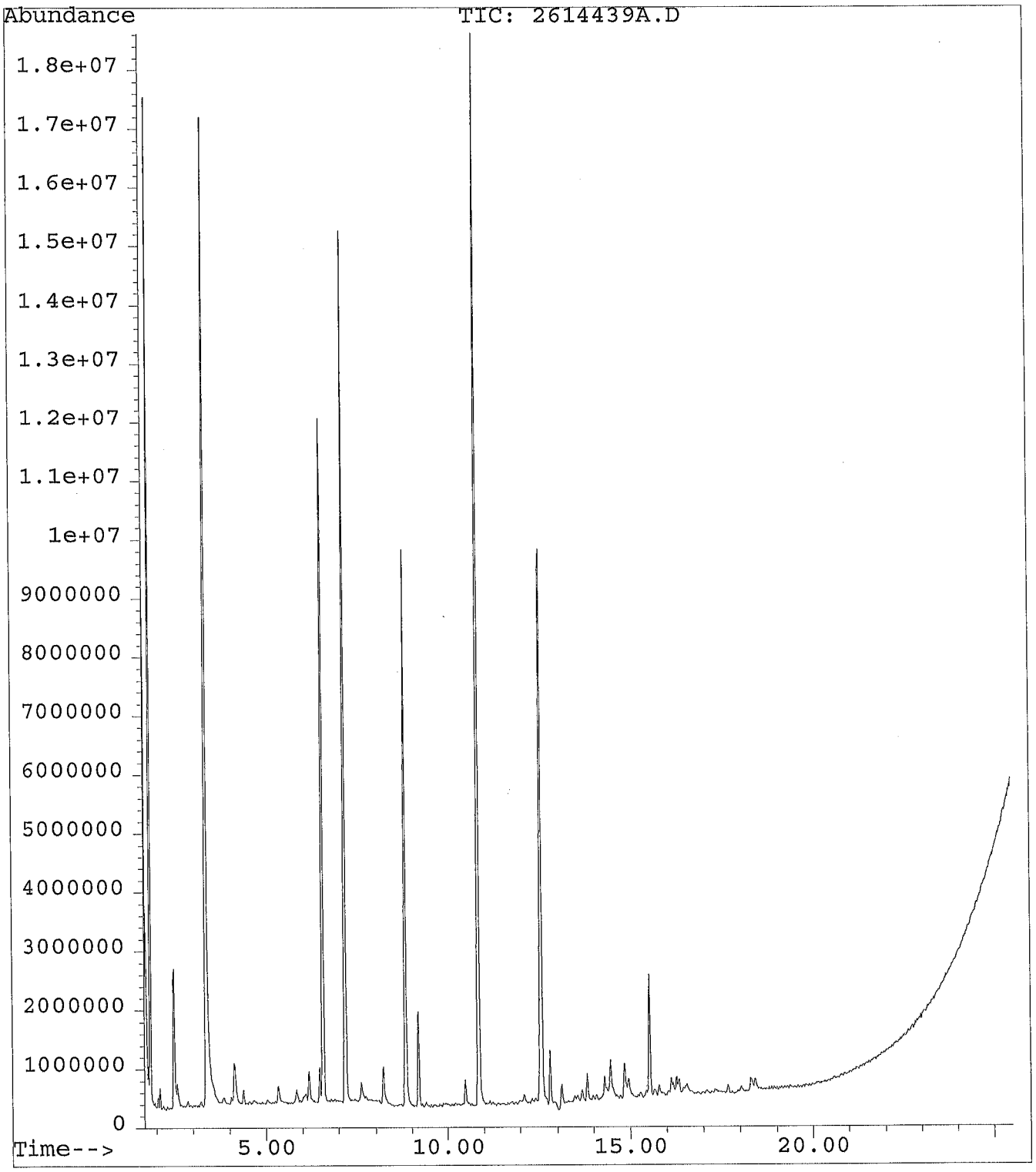
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	123124	20.0	10220136	0.140	1.40	2.42
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	10220136	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	10220136	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	240123	20.0	10220136	0.168	1.68	3.48
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	10220136	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	10220136	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	10220136	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	10220136	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	10220136	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	5665664	20.0	10220136	28.174	281.74	531.93
12	Acrolein	PFB	SA	56.1	0.121	105683	20.0	10220136	0.426	4.26	9.80
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	10220136	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	512631	20.0	10220136	1.241	12.41	29.54
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	10220136	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	10220136	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	23622	20.0	10220136	0.187	1.87	10.95
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	10220136	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	10220136	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	10220136	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	10220136	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	10220136	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	10220136	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	10220136	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	10220136	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	10220136	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	10220136	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	10220136	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	10220136	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	194190	20.0	10220136	0.500	5.00	14.75
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	10220136	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	124276	20.0	10220136	0.057	0.57	2.02
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	10220136	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	10220136	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	10220136	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	10220136	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	10220136	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	10220136	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	10220136	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	10220136	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	10220136	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	15185806	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	15185806	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	15185806	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	15185806	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	414234	20.0	15185806	0.139	1.39	4.43
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	15185806	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	15185806	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	15185806	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	15185806	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	15185806	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	15185806	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	15185806	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	15185806	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	15185806	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	15185806	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	15185806	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	15185806	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	15185806	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	15185806	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	15185806	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	3845	20.0	15185806	0.003	0.03	0.12
65	2-Hexanone	14DFB	SA	100.2	0.556	202279	20.0	15185806	0.120	1.20	4.91
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	15185806	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	15185806	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	15185806	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	15185806	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	15185806	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	14441081	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	14441081	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	14441081	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	14441081	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	14441081	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	14441081	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	14441081	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	14441081	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	14441081	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	14441081	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	14441081	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	14441081	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	14441081	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	14441081	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	14441081	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	14441081	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	14441081	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	14441081	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	14441081	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	14441081	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	14441081	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	14441081	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	14441081	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	14441081	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	14441081	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	14441081	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	14441081	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	14441081	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	14441081	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	14441081	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	14441081	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11828739	20.0	14441081	11.908	119.08	322.11
1	Pentafluorobenzene		IS			10220136	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			15185806	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			14441081	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			8661835	5.0		2.534	101.36	101

File : C:\MSCHEM\1\DATA\08076B_3\2614439A.D
Operator : SW
Acquired : 7 Aug 126 6:55 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-311
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **40**

Client ID T-312

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description: T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.67	0.69	1.72	2.87	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.74	2.62	3.15	7.53	
74-87-3	Chloromethane	0.60	1.00	1.74	1.24	2.07	3.61	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.20	1.55	3.89	4.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	76.40	3.78	24.24	144.24	
107-02-8	Acrolein	0.40	1.20	6.29	0.92	2.76	14.44	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	30.64	4.76	5.71	72.92	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.01	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	14.35	1.18	3.54	42.37	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.85	1.41	3.53	3.01	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.90	4.48	6.40	6.08	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.43	1.64	13.13	14.07	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	103	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	166.85	2.71	3.25	451.35	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	40		
File Name:	2614440A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:23
Sample ID:	T-312	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	19:31
Anal Date:	7 Aug 126 7:31 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	730		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.167	1.69	42.00	86938
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.574	2.49	31.00	277079
74-87-3	Chloromethane	5	SA	0.174	2.03	50.00	148189
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.120	2.44	94.00	48104
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	7.640	3.39	46.00	914107
107-02-8	Acrolein	12	SA	0.629	3.75	56.00	92697
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	3.064	4.13	58.00	753003
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.188	3.51	142.00	14622
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.435	6.18	72.00	331805
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.085	4.33	57.00	110570
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.190	6.49	78.00	340481
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.050	8.92	91.00	82803
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.343	10.50	58.00	347238
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.79	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.001	13.87	105.00	1928
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.005	14.76	91.00	25300
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.039	17.95	128.00	40745
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.685	1.85	51.00	13472084
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6080978**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9103206**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11737995**
2037-26-5	Toluene-d8	61	SURR	2.579	8.85	98.00	**5285146**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 40
File Name: 2614440A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 730
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT
Sam Type: SA
Instrument: MA1
DETECT: ND
Matrix: AA
Type: SA
Diluton: 0.1000
Sig Figs: 2
MDLSF: 2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.17	1.67	2.87	1.67	2.87	2.87	2.87	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.57	5.74	7.53	5.74	7.53	7.53	7.53	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.17	1.74	3.61	1.74	3.61	3.61	3.61	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.12	1.20	4.65	1.20	4.65	4.65	4.65	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	7.64	76.40	144.24	76.40	144.24	144.24	144.24	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.63	6.29	14.44	6.29	14.44	14.44	14.44	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	3.06	30.64	72.92	30.64	72.92	72.92	72.92	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.19	1.88	11.01	1.88	11.01	11.01	11.01	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.43	14.35	42.37	14.35	42.37	42.37	42.37	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.09	0.85	3.01	0.85	3.01	3.01	3.01	0.100	0.250	0.40	1.41	1.00	3.53	J
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.19	1.90	6.08	1.90	6.08	6.08	6.08	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.05	0.50	1.88	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.34	3.43	14.07	3.43	14.07	14.07	14.07	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.01	0.03	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.05	0.27	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.04	0.39	2.07	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.69	166.85	451.35	166.85	451.35	451.35	451.35	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.58	103	103	103	103	103	103	103	103	2.5	2.5
0												
0												
0												

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.67	2.87
ND		ND		Y	0.00	0.00
		=		Y	5.74	7.53
		=		Y	1.74	3.61
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.20	4.65
ND		ND		Y	0.00	0.00
		=		Y	76.40	144.24
		=		Y	6.29	14.44
ND		ND		Y	0.00	0.00
		=		Y	30.64	72.92
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.88	11.01
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	14.35	42.37
ND	ND	Y	0.00	0.00
J	=	Y	0.85	3.01
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.90	6.08
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.43	14.07

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**40**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \times \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

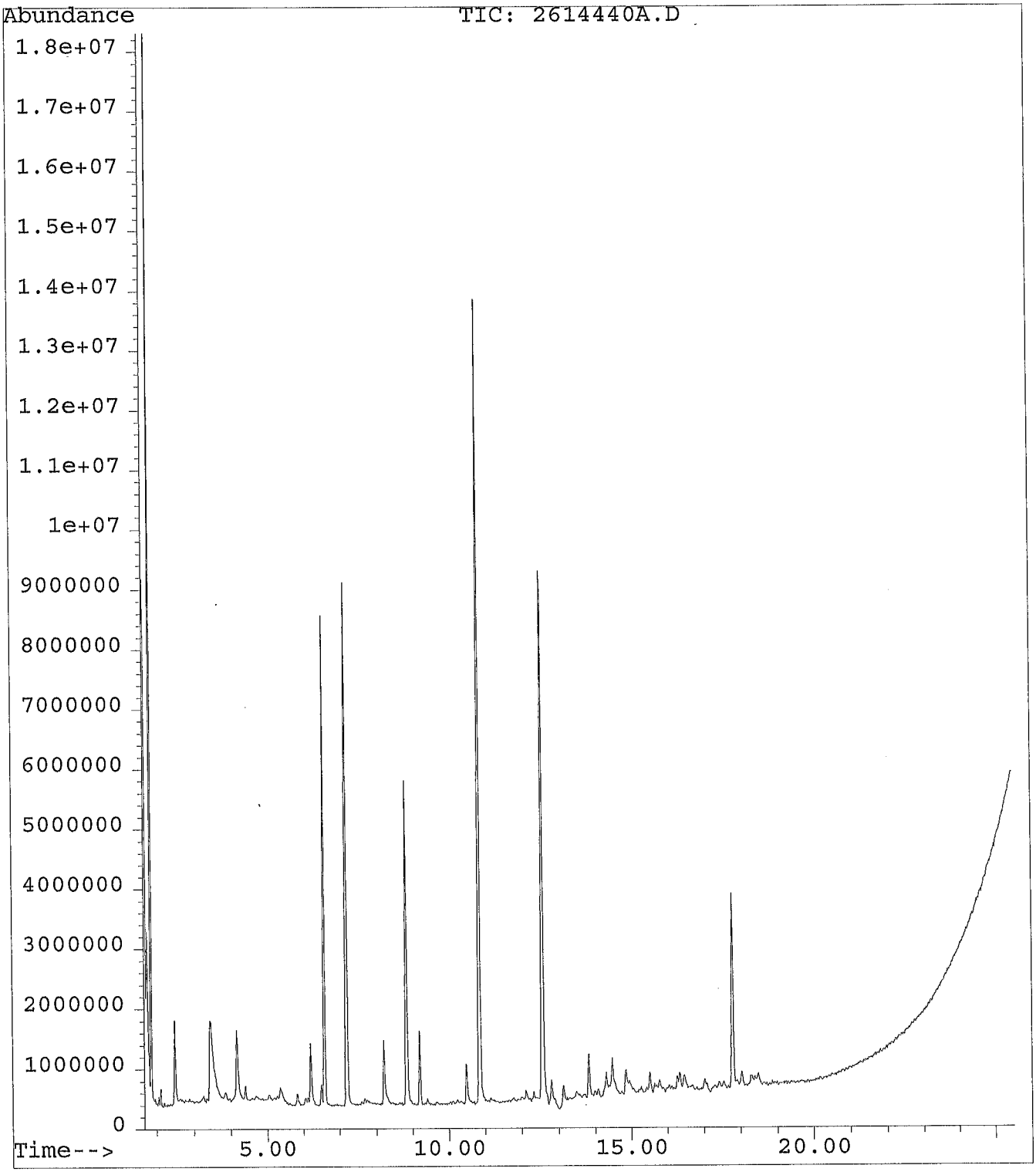
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	86938	20.0	6080978	0.167	1.67	2.87
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6080978	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	277079	20.0	6080978	0.574	5.74	7.53
5	Chloromethane	PFB	SA	50.5	0.699	148189	20.0	6080978	0.174	1.74	3.61
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6080978	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6080978	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6080978	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	48104	20.0	6080978	0.120	1.20	4.65
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6080978	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	914107	20.0	6080978	7.640	76.40	144.24
12	Acrolein	PFB	SA	56.1	0.121	92697	20.0	6080978	0.629	6.29	14.44
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6080978	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	753003	20.0	6080978	3.064	30.64	72.92
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6080978	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6080978	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	14622	20.0	6080978	0.188	1.88	11.01
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6080978	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6080978	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6080978	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6080978	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6080978	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6080978	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6080978	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6080978	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6080978	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6080978	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6080978	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6080978	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	331805	20.0	6080978	1.435	14.35	42.37
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6080978	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	110570	20.0	6080978	0.085	0.85	3.01
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6080978	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6080978	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6080978	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6080978	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6080978	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6080978	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6080978	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6080978	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6080978	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9103206	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9103206	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9103206	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9103206	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	340481	20.0	9103206	0.190	1.90	6.08
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9103206	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9103206	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9103206	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9103206	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9103206	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9103206	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9103206	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	9103206	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9103206	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9103206	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9103206	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9103206	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	82803	20.0	9103206	0.050	0.50	1.88
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9103206	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9103206	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9103206	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	347238	20.0	9103206	0.343	3.43	14.07
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9103206	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9103206	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9103206	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9103206	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9103206	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11737995	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11737995	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	11737995	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	11737995	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	11737995	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	11737995	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11737995	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	11737995	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11737995	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11737995	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11737995	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	11737995	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	11737995	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	11737995	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	11737995	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	11737995	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11737995	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	11737995	0.000	0.00	0.00
90	I-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	11737995	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	1928	20.0	11737995	0.001	0.01	0.03
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11737995	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	11737995	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11737995	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11737995	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	25300	20.0	11737995	0.005	0.05	0.27
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11737995	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11737995	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	11737995	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	40745	20.0	11737995	0.039	0.39	2.07
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	11737995	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11737995	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13472084	20.0	11737995	16.685	166.85	451.35
1	Pentafluorobenzene		IS			6080978	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9103206	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11737995	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5285146	5.0		2.579	103.17	103

File : C:\MSCHEM\1\DATA\08076B_3\2614440A.D
Operator : SW
Acquired : 7 Aug 126 7:31 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-312
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 41

Client ID T-313

Analytical Method TO-15

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 41**

File Name: 2614441A.D
Description: T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	3.11	0.69	1.72	5.36	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.22	2.62	3.15	10.78	
74-87-3	Chloromethane	0.60	1.00	2.84	1.24	2.07	5.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.31	1.55	3.89	8.97	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	145.44	3.78	24.24	274.59	
107-02-8	Acrolein	0.40	1.20	9.15	0.92	2.76	21.03	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	31.26	4.76	5.71	74.39	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	2.01	2.34	7.02	11.77	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	11.18	1.18	3.54	33.01	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.36	1.41	3.53	4.80	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.09	4.48	6.40	6.69	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	5.98	1.64	13.13	24.55	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 41

File Name: 2614441A.D
Description T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	199.57	2.71	3.25	539.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 41

File Name: 2614441A.D
Description: T-313
Canister: 766
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:26
Date Analyzed: 8/7/2026 **Time:** 20:08
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
ARSENOUS ACID, TRIS(TRIMETHYLSILYL)	7.00	15.00	54.30	28.67	61.43	222.39
UNKNOWN SILOXANE	7.00	15.00	140.60	28.67	61.43	575.83
TRIDECANE	7.00	15.00	68.40	28.67	61.43	280.13
1-HEXANOL, 2-ETHYL-	7.00	15.00	27.30	28.67	61.43	111.81
OCTANE, 2-METHYL	7.00	15.00	64.90	28.67	61.43	265.80
UNDECANE, 3-METHYL-	7.00	15.00	73.10	28.67	61.43	299.38
HEPTANE, 2,6-DIMETHYL-	7.00	15.00	178.00	28.67	61.43	729.00

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	41		
File Name:	2614441A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:26
Sample ID:	T-313	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	20:08
Anal Date:	7 Aug 126 8:08 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	766		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.311	1.69	42.00	162209
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.822	2.49	31.00	396296
74-87-3	Chloromethane	5	SA	0.284	2.03	50.00	241409
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.231	2.44	94.00	92732
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	14.544	3.39	46.00	1738918
107-02-8	Acrolein	12	SA	0.915	3.75	56.00	134860
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	3.126	4.13	58.00	767682
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.201	3.51	142.00	21555
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.118	6.18	72.00	258329
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.136	4.33	57.00	175996
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.209	6.49	78.00	366972
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.598	10.50	58.00	593851
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.72	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	19.957	1.86	51.00	14064793
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6076541**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8920322**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10245251**
2037-26-5	Toluene-d8	61	SURR	2.457	8.85	98.00	**4934484**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 41
File Name: 2614441A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 766
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.31	3.11	5.36	3.11	5.36	5.36	5.36	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.82	8.22	10.78	8.22	10.78	10.78	10.78	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.28	2.84	5.88	2.84	5.88	5.88	5.88	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.23	2.31	8.97	2.31	8.97	8.97	8.97	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	14.54	145.44	274.59	145.44	274.59	274.59	274.59	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.92	9.15	21.03	9.15	21.03	21.03	21.03	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	3.13	31.26	74.39	31.26	74.39	74.39	74.39	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	2.01	11.77	2.01	11.77	11.77	11.77	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.12	11.18	33.01	11.18	33.01	33.01	33.01	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.14	1.36	4.80	1.36	4.80	4.80	4.80	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.21	2.09	6.69	2.09	6.69	6.69	6.69	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.60	5.98	24.55	5.98	24.55	24.55	24.55	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	19.96	199.57	539.86	199.57	539.86	539.86	539.86	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	98	98	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	3.11	5.36
ND		ND		Y	0.00	0.00
		=		Y	8.22	10.78
		=		Y	2.84	5.88
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.31	8.97
ND		ND		Y	0.00	0.00
		=		Y	145.44	274.59
		=		Y	9.15	21.03
ND		ND		Y	0.00	0.00
		=		Y	31.26	74.39
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.01	11.77
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	11.18	33.01
ND	ND	Y	0.00	0.00
	=	Y	1.36	4.80
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.09	6.69
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	5.98	24.55

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**41**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdnl) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

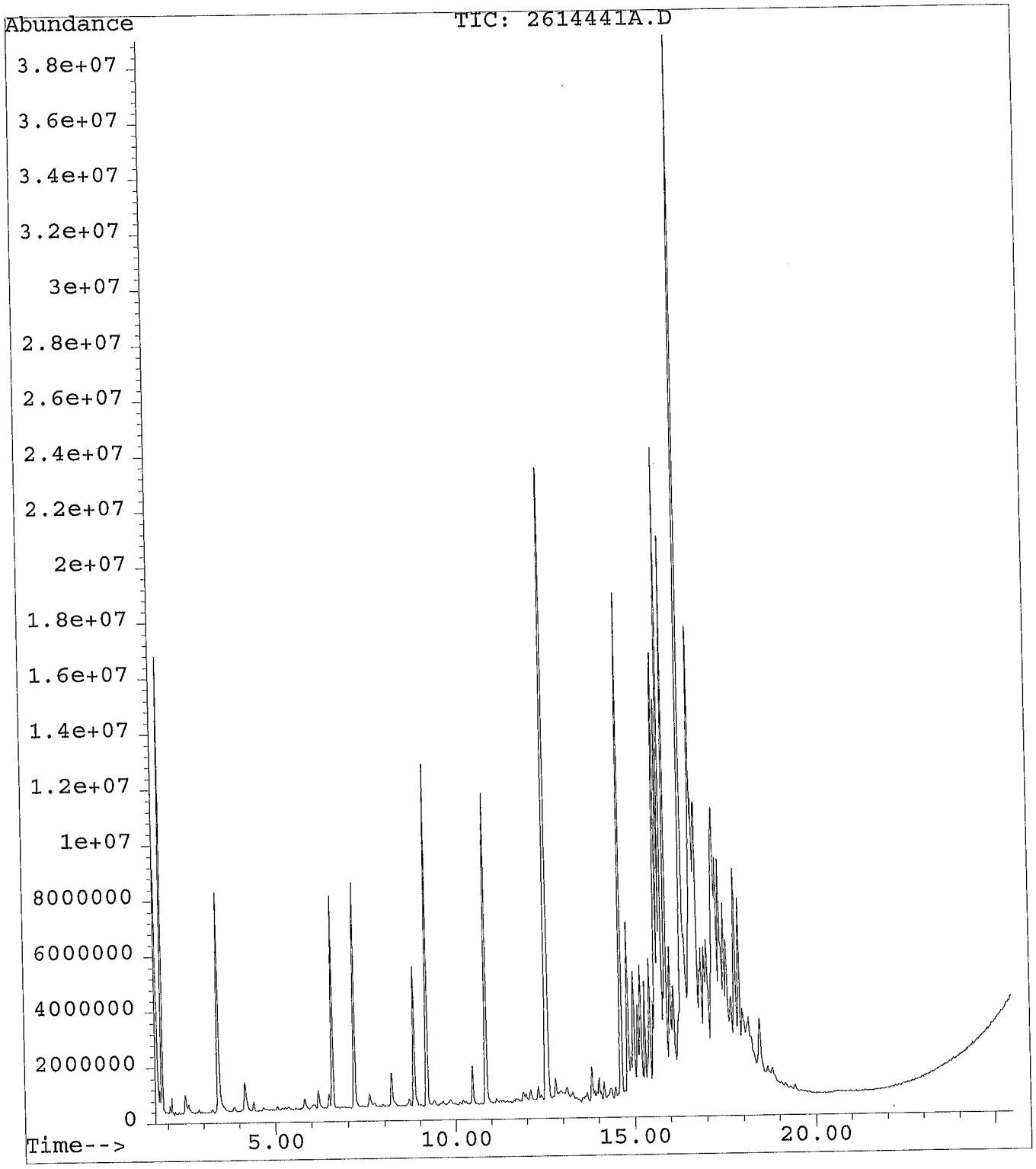
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	162209	20.0	6076541	0.311	3.11	5.36
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6076541	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	396296	20.0	6076541	0.822	8.22	10.78
5	Chloromethane	PFB	SA	50.5	0.699	241409	20.0	6076541	0.284	2.84	5.88
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6076541	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6076541	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6076541	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	92732	20.0	6076541	0.231	2.31	8.97
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6076541	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1738918	20.0	6076541	14.544	145.44	274.59
12	Acrolein	PFB	SA	56.1	0.121	134860	20.0	6076541	0.915	9.15	21.03
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6076541	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	767682	20.0	6076541	3.126	31.26	74.39
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6076541	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6076541	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	21555	20.0	6076541	0.201	2.01	11.77
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6076541	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6076541	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6076541	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6076541	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6076541	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6076541	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6076541	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6076541	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6076541	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6076541	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6076541	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6076541	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	258329	20.0	6076541	1.118	11.18	33.01
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6076541	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	175996	20.0	6076541	0.136	1.36	4.80
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6076541	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6076541	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6076541	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6076541	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6076541	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6076541	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6076541	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6076541	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6076541	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8920322	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8920322	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8920322	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8920322	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	366972	20.0	8920322	0.209	2.09	6.69
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8920322	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8920322	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8920322	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8920322	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8920322	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8920322	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8920322	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8920322	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8920322	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8920322	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8920322	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8920322	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	8920322	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8920322	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8920322	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8920322	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	593851	20.0	8920322	0.598	5.98	24.55
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8920322	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8920322	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8920322	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8920322	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8920322	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10245251	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10245251	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10245251	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10245251	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10245251	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10245251	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10245251	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10245251	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10245251	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10245251	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10245251	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10245251	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10245251	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10245251	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10245251	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10245251	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10245251	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10245251	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10245251	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10245251	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10245251	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10245251	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10245251	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10245251	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10245251	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10245251	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10245251	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10245251	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10245251	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10245251	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10245251	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	14064793	20.0	10245251	19.957	199.57	539.86
1	Pentafluorobenzene		IS			6076541	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8920322	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10245251	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4934484	5.0		2.457	98.30	98

File : C:\MSCHEM\1\DATA\08076B_3\2614441A.D
Operator : SW
Acquired : 7 Aug 126 8:08 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-313
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **42**

Client ID T-314

Analytical Method TO-15

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 42**

File Name: C08036F.D **Date Sampled:** 7/22/2026 **Time:** 11:30
Description: T-314 **Date Analyzed:** 8/3/2026 **Time:** 10:59
Canister: 662 **Can Dilution Factor:** 1.00
QC_Batch: 080326-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.55	0.69	1.72	0.95	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	2.25	4.76	5.71	5.35	J
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	171.71	2.71	3.25	464.48	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 42

File Name: C08036F.D
Description T-314
Canister: 662
QC_Batch: 080326-MA1

Date Sampled: 7/22/2026 **Time:** 11:30
Date Analyzed: 8/3/2026 **Time:** 10:59
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	42		
File Name:	C08036F.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:30
Sample ID:	T-314	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/3/2026	**Time:**	10:59
Anal Date:	3 Aug 126 10:59 am	**SF:**	2	**QCbatch:**	080326-MA1		
Quant Method:	B1563_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	662		
Cal Update:	Mon Aug 31 10:40:19 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.055	1.69	42.00	46167
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.225	4.13	58.00	88870
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.132	6.49	78.00	370620
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.001	6.34	57.00	4344
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.006	8.09	88.00	3599
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.86	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.001	13.61	119.00	2437
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.40	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.171	1.83	51.00	9659134
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**9777216**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**14293906**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**12680600**
2037-26-5	Toluene-d8	61	SURR	2.264	8.85	98.00	**7283885**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 42
File Name: C08036F.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 662
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.06	0.55	0.95	0.55	0.95	0.95	0.95	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.22	2.25	5.35	2.25	5.35	5.35	5.35	0.500	0.600	2.00	4.76	2.40	5.71	J
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.32	4.22	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.01	0.04	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.01	0.06	0.21	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.01	0.05	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.17	171.71	464.48	171.71	464.48	464.48	464.48	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.26	91	91	91	91	91	91	91	91	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=		Y	0.55	0.95
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	2.25	5.35
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**42**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

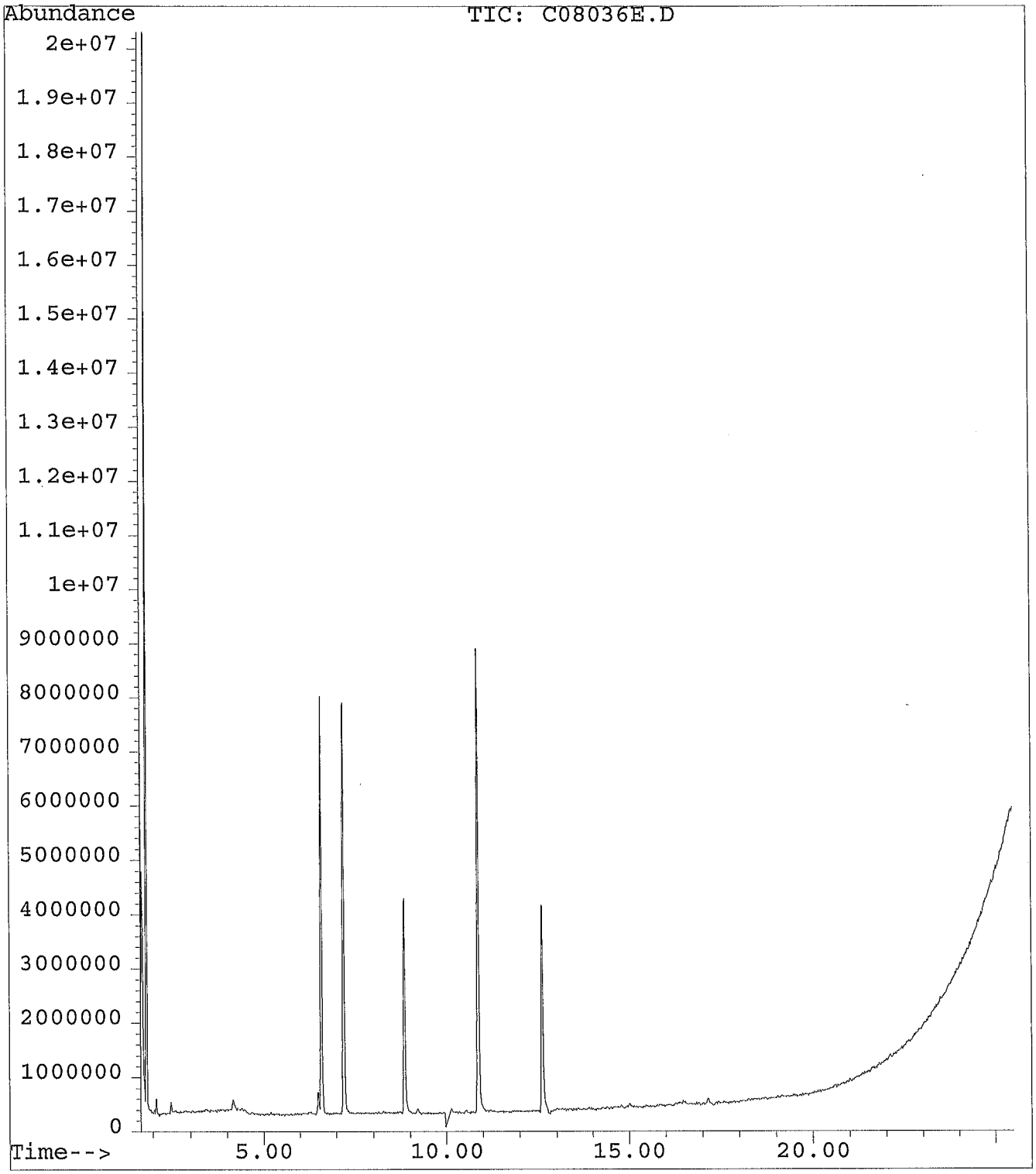
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	46167	20.0	9777216	0.055	0.55	0.95
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	9777216	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	9777216	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	9777216	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	9777216	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	9777216	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	9777216	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	9777216	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	9777216	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	9777216	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	9777216	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	9777216	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	88870	20.0	9777216	0.225	2.25	5.35
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	9777216	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	9777216	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	9777216	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	9777216	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	9777216	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	9777216	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	9777216	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	9777216	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	9777216	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	9777216	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	9777216	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	9777216	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	9777216	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	9777216	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	9777216	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	9777216	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	9777216	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	9777216	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	9777216	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	9777216	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	9777216	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	9777216	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	9777216	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	9777216	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	9777216	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	9777216	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	9777216	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	14293906	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	14293906	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	14293906	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	14293906	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	370620	20.0	14293906	0.132	1.32	4.22
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	14293906	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	14293906	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	4344	20.0	14293906	0.001	0.01	0.04
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	14293906	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	14293906	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	3599	20.0	14293906	0.006	0.06	0.21
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	14293906	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	14293906	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	14293906	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	14293906	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	14293906	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	14293906	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	14293906	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	14293906	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	14293906	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	14293906	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	14293906	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	14293906	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	14293906	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	14293906	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	14293906	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	14293906	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	12680600	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	12680600	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	12680600	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	12680600	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	12680600	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	12680600	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	12680600	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	12680600	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	12680600	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	12680600	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	12680600	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	12680600	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	12680600	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	12680600	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	12680600	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	12680600	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	2437	20.0	12680600	0.001	0.01	0.05
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	12680600	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	12680600	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	12680600	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	12680600	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	12680600	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	12680600	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	12680600	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	12680600	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	12680600	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	12680600	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	12680600	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	12680600	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	12680600	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	12680600	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9659134	20.0	12680600	17.171	171.71	464.48
1	Pentafluorobenzene		IS			9777216	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			14293906	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			12680600	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			7283885	5.0		2.264	90.55	91

File : C:\MSCHEM\1\DATA\08036B_3\C08036E.D
Operator : KL
Acquired : 3 Aug 126 10:24 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-214
Misc Info :
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 43

Client ID T-401

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 43**

File Name: 2614443B.D
Description: T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.10	0.69	1.72	7.06	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	18.13	2.62	3.15	23.75	
74-87-3	Chloromethane	0.60	1.00	2.42	1.24	2.07	5.00	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.09	1.55	3.89	8.12	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	75.50	3.78	24.24	142.55	
107-02-8	Acrolein	0.40	1.20	5.51	0.92	2.76	12.67	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	28.38	4.76	5.71	67.53	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.44	1.18	3.54	13.12	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.71	4.48	6.40	8.67	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	104.30	0.54	5.38	561.31	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.66	2.10	10.50	8.74	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID:** 43

File Name: 2614443B.D
Description T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	218.09	2.71	3.25	589.94	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 43

File Name: 2614443B.D
Description T-401
Canister: 643
QC_Batch: 081126-MA1

Date Sampled: 7/23/2026 **Time:** 08:59
Date Analyzed: 8/11/2026 **Time:** 16:26
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
HEPTANE, 1,1'-OXYBIS-	7.00	15.00	13.90	28.67	61.43	56.93

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	43		
File Name:	2614443B.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	8:59
Sample ID:	T-401	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	16:26
Anal Date:	11 Aug 126 4:26 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	643		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.410	1.69	42.00	112870
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.813	2.49	31.00	461308
74-87-3	Chloromethane	5	SA	0.242	2.03	50.00	108379
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.209	2.44	94.00	44347
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	7.550	3.39	46.00	476696
107-02-8	Acrolein	12	SA	0.551	3.75	56.00	42900
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	2.838	4.13	58.00	367964
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.444	6.18	72.00	54209
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.271	6.49	78.00	267891
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	10.430	6.49	130.00	3814505
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.79	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.166	17.95	128.00	97011
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.809	1.86	51.00	9936419
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3208824**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**5023419**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**6623572**
2037-26-5	Toluene-d8	61	SURR	2.540	8.85	98.00	**2871795**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 43
File Name: 2614443B.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 643
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.41	4.10	7.06	4.10	7.06	7.06	7.06	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.81	18.13	23.75	18.13	23.75	23.75	23.75	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.24	2.42	5.00	2.42	5.00	5.00	5.00	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.21	2.09	8.12	2.09	8.12	8.12	8.12	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	7.55	75.50	142.55	75.50	142.55	142.55	142.55	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.55	5.51	12.67	5.51	12.67	12.67	12.67	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	2.84	28.38	67.53	28.38	67.53	67.53	67.53	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.44	4.44	13.12	4.44	13.12	13.12	13.12	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.27	2.71	8.67	2.71	8.67	8.67	8.67	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	10.43	104.30	561.31	104.30	561.31	561.31	561.31	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.17	1.66	8.74	1.66	8.74	8.74	8.74	0.100	0.500	0.40	2.10	2.00	10.50	J
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.81	218.09	589.94	218.09	589.94	589.94	589.94	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.54	102	102	102	102	102	102	102	**2.5**	**2.5**
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.10	7.06
ND		ND		Y	0.00	0.00
		=		Y	18.13	23.75
		=		Y	2.42	5.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.09	8.12
ND		ND		Y	0.00	0.00
		=		Y	75.50	142.55
		=		Y	5.51	12.67
ND		ND		Y	0.00	0.00
		=		Y	28.38	67.53
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.44	13.12
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.71	8.67
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	104.30	561.31
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.66	8.74
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	218.09	589.94
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**43**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = Cn

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

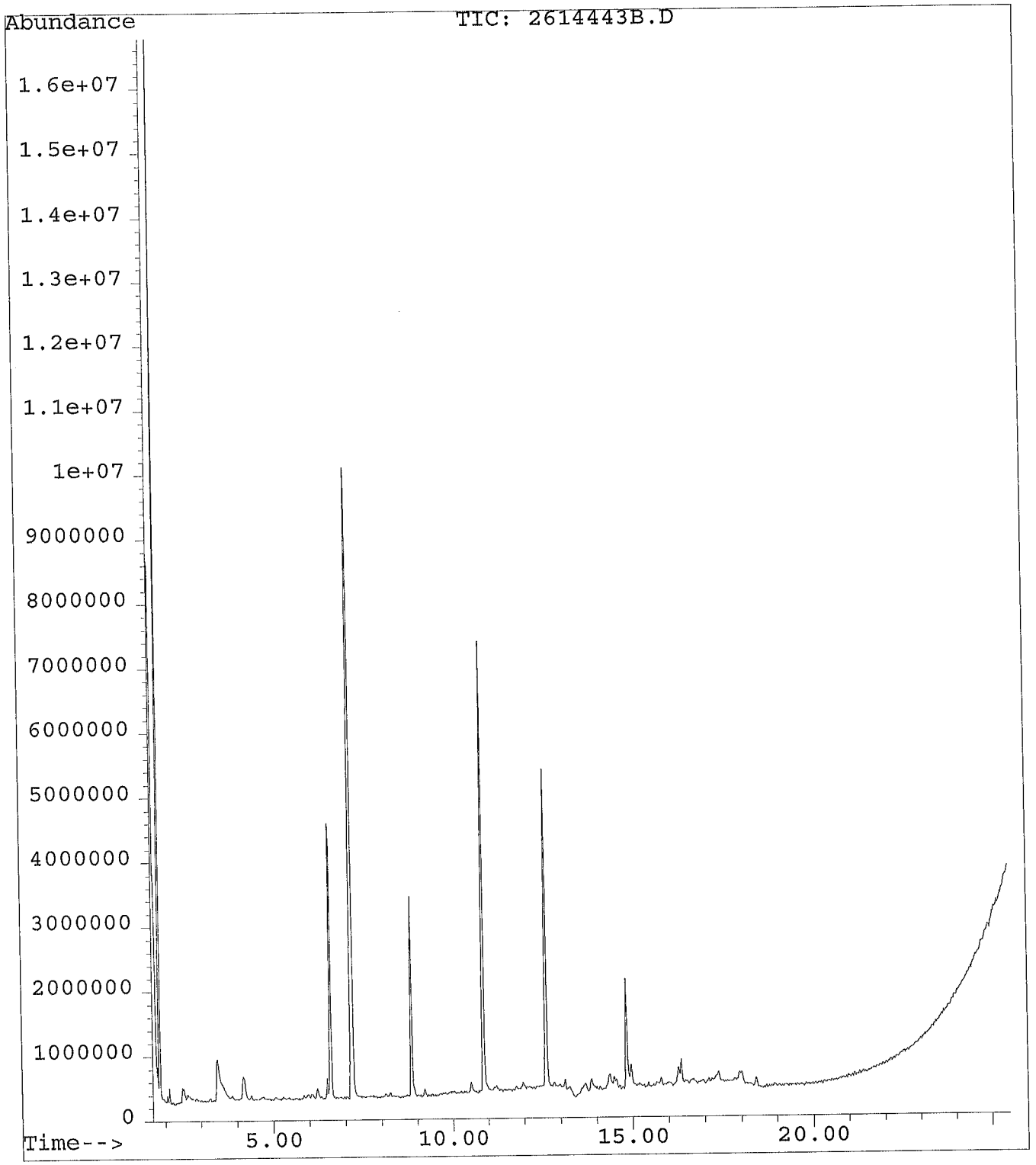
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	112870	20.0	3208824	0.410	4.10	7.06
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	3208824	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	461308	20.0	3208824	1.813	18.13	23.75
5	Chloromethane	PFB	SA	50.5	0.699	108379	20.0	3208824	0.242	2.42	5.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	3208824	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	3208824	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	3208824	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	44347	20.0	3208824	0.209	2.09	8.12
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	3208824	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	476696	20.0	3208824	7.550	75.50	142.55
12	Acrolein	PFB	SA	56.1	0.121	42900	20.0	3208824	0.551	5.51	12.67
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	3208824	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	367964	20.0	3208824	2.838	28.38	67.53
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	3208824	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	3208824	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	3208824	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	3208824	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	3208824	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	3208824	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	3208824	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	3208824	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	3208824	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	3208824	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	3208824	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	3208824	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	3208824	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	3208824	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	3208824	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	54209	20.0	3208824	0.444	4.44	13.12
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	3208824	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	3208824	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	3208824	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	3208824	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	3208824	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	3208824	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	3208824	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	3208824	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	3208824	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	3208824	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	3208824	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	5023419	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	5023419	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	5023419	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	5023419	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	267891	20.0	5023419	0.271	2.71	8.67
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	5023419	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	5023419	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	5023419	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	5023419	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	5023419	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	5023419	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	5023419	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	3814505	20.0	5023419	10.430	104.30	561.31
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	5023419	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	5023419	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	5023419	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	5023419	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	5023419	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	5023419	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	5023419	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	5023419	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	5023419	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	5023419	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	5023419	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	5023419	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	5023419	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	5023419	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	6623572	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	6623572	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	6623572	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	6623572	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	6623572	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	6623572	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	6623572	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	6623572	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	6623572	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	6623572	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	6623572	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	6623572	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	6623572	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	6623572	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	6623572	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	6623572	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	6623572	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	6623572	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	6623572	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	6623572	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	6623572	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	6623572	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	6623572	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	6623572	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	6623572	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	6623572	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	6623572	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	6623572	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	97011	20.0	6623572	0.166	1.66	8.74
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	6623572	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	6623572	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9936419	20.0	6623572	21.809	218.09	589.94
1	Pentafluorobenzene		IS			3208824	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			5023419	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			6623572	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			2871795	5.0		2.540	101.59	102

File : C:\MSCHEM\1\DATA\08116B_3\2614443B.D
Operator : SW
Acquired : 11 Aug 126 4:26 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-401
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **44**

Client ID T-402

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 44**

File Name: 2614444.D **Date Sampled:** 7/23/2026 **Time:** 09:00
Description: T-402 **Date Analyzed:** 8/10/2026 **Time:** 12:52
Canister: 740 **Can Dilution Factor:** 1.00
QC_Batch: 081026-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	5.18	0.69	1.72	8.93	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.45	2.62	3.15	7.15	
74-87-3	Chloromethane	0.60	1.00	1.46	1.24	2.07	3.01	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	24.40	3.78	24.24	46.07	
107-02-8	Acrolein	0.40	1.20	3.34	0.92	2.76	7.67	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.17	4.76	5.71	21.82	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.65	1.18	3.54	4.88	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	17.32	0.98	4.89	84.68	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.08	0.69	3.45	3.74	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.37	0.68	6.79	9.33	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 44

File Name: 2614444.D
Description T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.70	2.71	3.25	597.02	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 44

File Name: 2614444.D
Description T-402
Canister: 740
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:00
Date Analyzed: 8/10/2026 **Time:** 12:52
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1 PROPANE, 2-METHYL-	7.00	15.00	15.60	28.67	61.43	63.89
BUTANE	7.00	15.00	14.10	28.67	61.43	57.75

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	44		
File Name:	2614444.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	9:00
Sample ID:	T-402	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	12:52
Anal Date:	10 Aug 126 12:52 pm	**SF:**	2	**QCbatch:**	081026-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	740		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.518	1.69	42.00	227568
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.545	2.49	31.00	221437
74-87-3	Chloromethane	5	SA	0.146	2.03	50.00	104251
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.440	3.39	46.00	245846
107-02-8	Acrolein	12	SA	0.334	3.75	56.00	41429
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.917	4.13	58.00	189699
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.165	6.18	72.00	32178
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	1.732	5.83	83.00	**1049551**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.108	5.78	56.00	95911
71-43-2	Benzene	47	SA	0.134	6.49	78.00	211700
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.137	9.41	166.00	91412
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	22.070	1.83	51.00	13047542
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5120257**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8050391**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8594278**
2037-26-5	Toluene-d8	61	SURR	2.439	8.85	98.00	**4419267**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS #####

SDG: 226144 | EDD SURR: PERCENT | #####
Laboratory Number: 44 | Sam Type: SA

File Name: 2614444.D | Instrument: MA1
Run Method: B1563_C.M | DETECT: ND
Can Factor: 1.00 | Matrix: AA
Air Volume: 100.0 ml | Type: SA
Can/Tube Number: 740 | Diluton: 0.1000
Dilution Factor: 0.1000 | Sig Figs: 2
Base Volume: 1000 ml | MDLSF: 2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Unit Factor (ppbv): 1000 PPBV UG/M3 Fixed Fixed Fixed Fixed (1) (2) Calc Calc Calc Calc

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	ResultV PPBV	Result UG/M3	ResultQ UG/M3	ResultG UG/M3	MDL	RL PPBV	MDL PPBV	MDL UG/M3	RL PPBV	RL UG/M3	U Flag
Propylene	42.08	0.52	5.18	8.93	5.18	8.93	8.93	8.93	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.55	5.45	7.15	5.45	7.15	7.15	7.15	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.15	1.46	3.01	1.46	3.01	3.01	3.01	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.44	24.40	46.07	24.40	46.07	46.07	46.07	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.33	3.34	7.67	3.34	7.67	7.67	7.67	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.92	9.17	21.82	9.17	21.82	21.82	21.82	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.17	1.65	4.88	1.65	4.88	4.88	4.88	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	1.73	17.32	84.68	17.32	84.68	84.68	84.68	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.11	1.08	3.74	1.08	3.74	3.74	3.74	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.13	1.34	4.28	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.14	1.37	9.33	1.37	9.33	9.33	9.33	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	22.07	220.70	597.02	220.70	597.02	597.02	597.02	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.44	98	98	98	98	98	98	98	98	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	5.18	8.93
ND		ND		Y	0.00	0.00
		=		Y	5.45	7.15
		=		Y	1.46	3.01
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	24.40	46.07
		=		Y	3.34	7.67
ND		ND		Y	0.00	0.00
		=		Y	9.17	21.82
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.65	4.88
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	17.32	84.68
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.08	3.74
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**44**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}$ $\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

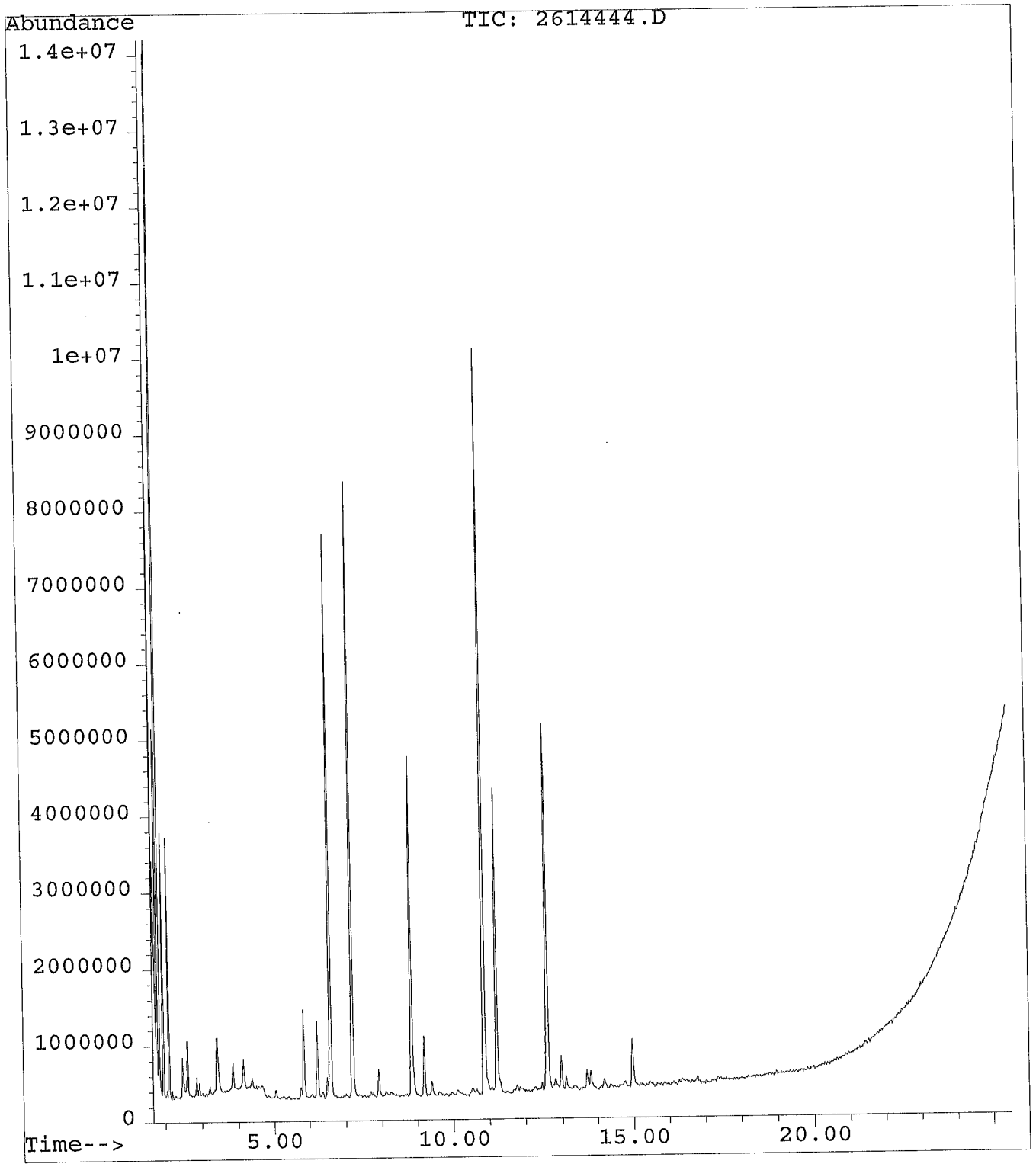
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	227568	20.0	5120257	0.518	5.18	8.93
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5120257	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	221437	20.0	5120257	0.545	5.45	7.15
5	Chloromethane	PFB	SA	50.5	0.699	104251	20.0	5120257	0.146	1.46	3.01
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5120257	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5120257	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5120257	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5120257	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5120257	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	245846	20.0	5120257	2.440	24.40	46.07
12	Acrolein	PFB	SA	56.1	0.121	41429	20.0	5120257	0.334	3.34	7.67
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5120257	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	189699	20.0	5120257	0.917	9.17	21.82
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5120257	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5120257	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5120257	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5120257	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5120257	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5120257	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5120257	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5120257	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5120257	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5120257	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5120257	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5120257	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5120257	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5120257	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5120257	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	32178	20.0	5120257	0.165	1.65	4.88
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5120257	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	5120257	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5120257	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5120257	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5120257	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5120257	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5120257	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5120257	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5120257	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5120257	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	1049551	20.0	5120257	1.732	17.32	84.68
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8050391	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8050391	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8050391	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	95911	20.0	8050391	0.108	1.08	3.74
47	Benzene	14DFB	SA	78.1	0.984	211700	20.0	8050391	0.134	1.34	4.28
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8050391	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8050391	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8050391	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8050391	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8050391	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8050391	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8050391	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8050391	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8050391	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8050391	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8050391	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8050391	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	8050391	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8050391	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8050391	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8050391	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8050391	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8050391	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8050391	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8050391	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8050391	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	91412	20.0	8050391	0.137	1.37	9.33
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8594278	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8594278	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8594278	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8594278	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8594278	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8594278	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8594278	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8594278	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8594278	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8594278	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8594278	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8594278	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8594278	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8594278	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8594278	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8594278	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8594278	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8594278	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8594278	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8594278	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8594278	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8594278	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8594278	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8594278	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8594278	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8594278	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8594278	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8594278	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8594278	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8594278	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8594278	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13047542	20.0	8594278	22.070	220.70	597.02
1	Pentafluorobenzene		IS			5120257	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8050391	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8594278	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4419267	5.0		2.439	97.55	98

File : C:\MSCHEM\1\DATA\08106B_3\2614444.D
Operator : KL
Acquired : 10 Aug 126 12:52 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-402
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 45

Client ID T-403

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 45**

File Name: 2614445.D
Description: T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.86	0.69	1.72	3.21	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.55	2.62	3.15	3.34	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.73	3.78	24.24	29.69	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.94	4.76	5.71	16.52	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	0.91	1.97	12.31	2.24	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.96	1.18	3.54	5.79	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	77.72	0.54	5.38	418.24	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 45

File Name: 2614445.D
Description T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	191.24	2.71	3.25	517.33	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 45

File Name: 2614445.D
Description T-403
Canister: 699
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 13:28
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	45		
File Name:	2614445.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	9:04
Sample ID:	T-403	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	13:28
Anal Date:	10 Aug 126 1:28 pm	**SF:**	2	**QCbatch:**	081026-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	699		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.186	1.69	42.00	81799
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.255	2.49	31.00	103292
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.573	3.39	46.00	158211
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.694	4.13	58.00	143423
67-63-0	2-propanol (isopropylalcohc	15	SA	0.091	3.99	45.00	86234
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.196	6.18	72.00	38127
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.140	6.49	78.00	222957
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	7.772	6.49	130.00	4587796
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	19.124	1.83	51.00	10231487
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5112774**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8108550**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7777545**
2037-26-5	Toluene-d8	61	SURR	2.361	8.85	98.00	**4310147**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS #####

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SDG: 226144
Laboratory Number: 45
File Name: 2614445.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 699
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.19	1.86	3.21	1.86	3.21	3.21	3.21	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.25	2.55	3.34	2.55	3.34	3.34	3.34	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.57	15.73	29.69	15.73	29.69	29.69	29.69	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.69	6.94	16.52	6.94	16.52	16.52	16.52	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.09	0.91	2.24	0.91	2.24	2.24	2.24	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.20	1.96	5.79	1.96	5.79	5.79	5.79	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.40	4.47	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	7.77	77.72	418.24	77.72	418.24	418.24	418.24	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	19.12	191.24	517.33	191.24	517.33	517.33	517.33	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.36	94	94	94	94	94	94	94	94	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.86	3.21
ND		ND		Y	0.00	0.00
		=		Y	2.55	3.34
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	15.73	29.69
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	6.94	16.52
J		=		Y	0.91	2.24
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.96	5.79
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	77.72	418.24
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**45**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

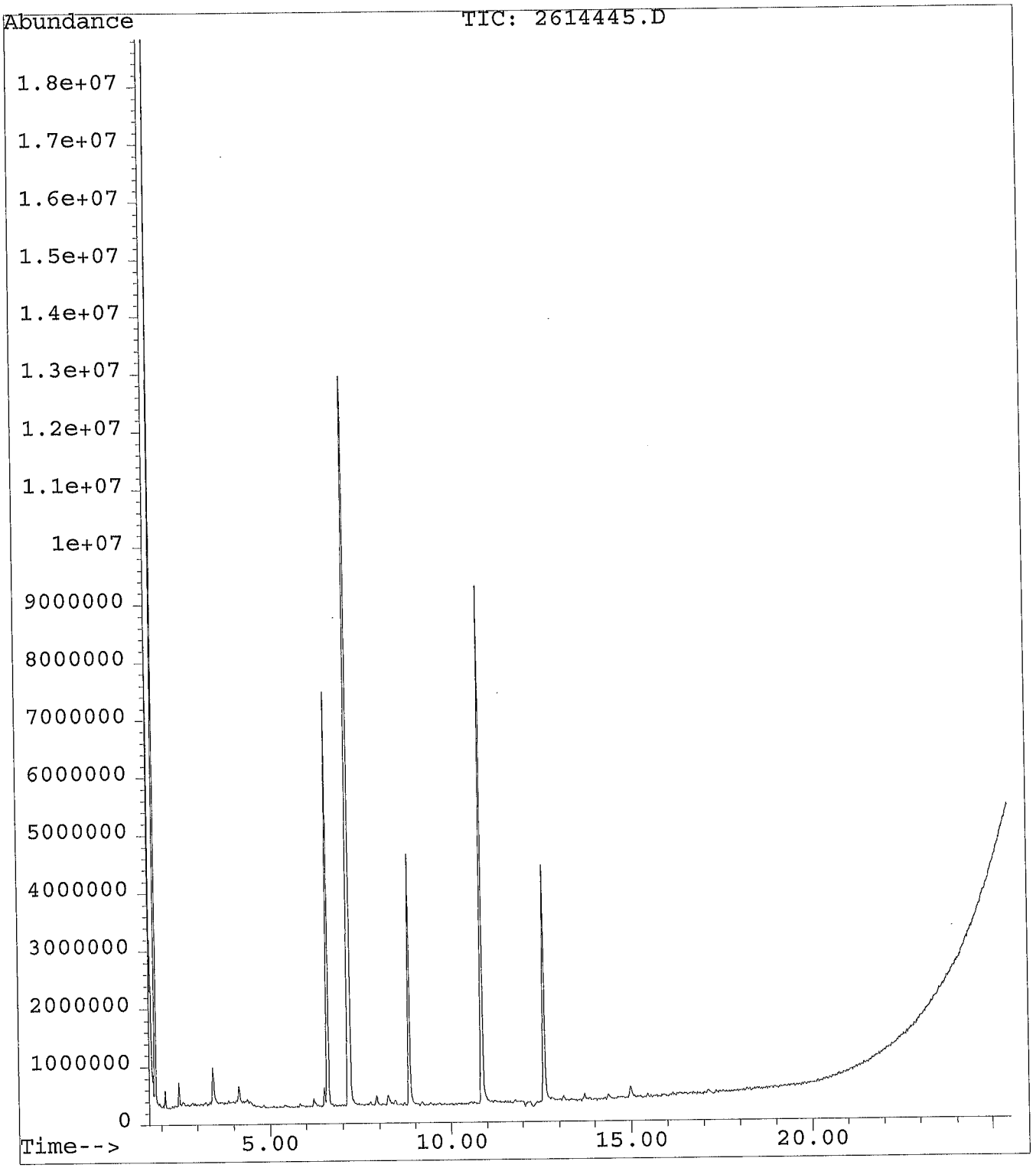
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	81799	20.0	5112774	0.186	1.86	3.21
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5112774	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	103292	20.0	5112774	0.255	2.55	3.34
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	5112774	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5112774	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5112774	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5112774	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5112774	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5112774	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	158211	20.0	5112774	1.573	15.73	29.69
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	5112774	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5112774	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	143423	20.0	5112774	0.694	6.94	16.52
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	86234	20.0	5112774	0.091	0.91	2.24
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5112774	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5112774	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5112774	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5112774	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5112774	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5112774	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5112774	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5112774	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5112774	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5112774	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5112774	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5112774	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5112774	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5112774	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	38127	20.0	5112774	0.196	1.96	5.79
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5112774	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	5112774	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5112774	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5112774	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5112774	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5112774	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5112774	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5112774	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5112774	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5112774	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5112774	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8108550	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8108550	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8108550	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8108550	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	222957	20.0	8108550	0.140	1.40	4.47
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8108550	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8108550	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8108550	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8108550	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8108550	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8108550	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8108550	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	4587796	20.0	8108550	7.772	77.72	418.24
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8108550	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8108550	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8108550	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8108550	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	8108550	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8108550	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8108550	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8108550	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8108550	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8108550	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8108550	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8108550	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8108550	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8108550	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7777545	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7777545	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7777545	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	7777545	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7777545	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7777545	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7777545	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7777545	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7777545	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7777545	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7777545	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7777545	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7777545	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7777545	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7777545	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7777545	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7777545	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7777545	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7777545	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7777545	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7777545	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7777545	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7777545	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7777545	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7777545	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7777545	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7777545	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7777545	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7777545	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7777545	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7777545	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10231487	20.0	7777545	19.124	191.24	517.33
1	Pentafluorobenzene		IS			5112774	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8108550	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7777545	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4310147	5.0		2.361	94.46	94

File : C:\MSCHEM\1\DATA\08106B_3\2614445.D
Operator : KL
Acquired : 10 Aug 126 1:28 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-403
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 46

Client ID T-404

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 46

File Name: 2614446.D
Description: T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	15.62	0.69	1.72	26.91	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.62	2.62	3.15	13.92	
74-87-3	Chloromethane	0.60	1.00	1.45	1.24	2.07	2.99	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	27.70	3.78	24.24	52.31	
107-02-8	Acrolein	0.40	1.20	5.64	0.92	2.76	12.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.38	4.76	5.71	31.83	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.50	1.97	12.31	3.70	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.35	1.18	3.54	9.90	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.27	1.41	3.53	4.49	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	23.15	0.98	4.89	113.19	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.04	0.69	3.45	10.48	
71-43-2	Benzene	1.40	2.00	1.96	4.48	6.40	6.27	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	0.94	1.64	4.10	3.88	J
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	2.41	3.02	3.77	9.08	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	0.95	0.68	6.79	6.42	J
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	2.04	1.74	4.35	8.87	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.93	1.74	4.35	4.05	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 46

File Name: 2614446.D
Description T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	164.57	2.71	3.25	445.18	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 46

File Name: 2614446.D
Description T-404
Canister: 618
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:04
Date Analyzed: 8/10/2026 **Time:** 14:06
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	46		
File Name:	2614446.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	9:04
Sample ID:	T-404	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	14:06
Anal Date:	10 Aug 126 2:06 pm	**SF:**	2	**QCbatch:**	081026-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	618		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	1.562	1.69	42.00	731490
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.062	2.49	31.00	459848
74-87-3	Chloromethane	5	SA	0.145	2.03	50.00	110372
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.770	3.39	46.00	297575
107-02-8	Acrolein	12	SA	0.564	3.75	56.00	74675
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.338	4.13	58.00	295100
67-63-0	2-propanol (isopropylalcohc	15	SA	0.150	3.99	45.00	152014
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.335	6.18	72.00	69625
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.127	4.33	57.00	147789
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	2.315	5.83	83.00	**1495669**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.304	5.78	56.00	284634
71-43-2	Benzene	47	SA	0.196	6.49	78.00	328397
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.094	6.49	71.00	49271
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.241	8.92	91.00	373893
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.095	9.41	166.00	66583
108-90-7	Chlorobenzene	72	SA	0.002	10.91	112.00	2770
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.204	11.15	91.00	303888
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.093	11.77	91.00	141800
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.457	1.83	51.00	10018008
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5458775**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8521575**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8849432**
2037-26-5	Toluene-d8	61	SURR	2.341	8.85	98.00	**4490828**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 46
File Name: 2614446.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 618
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	1.56	15.62	26.91	15.62	26.91	26.91	26.91	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.06	10.62	13.92	10.62	13.92	13.92	13.92	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.14	1.45	2.99	1.45	2.99	2.99	2.99	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.77	27.70	52.31	27.70	52.31	52.31	52.31	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.56	5.64	12.96	5.64	12.96	12.96	12.96	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.34	13.38	31.83	13.38	31.83	31.83	31.83	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.15	1.50	3.70	1.50	3.70	3.70	3.70	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.34	3.35	9.90	3.35	9.90	9.90	9.90	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.13	1.27	4.49	1.27	4.49	4.49	4.49	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	2.31	23.15	113.19	23.15	113.19	113.19	113.19	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.30	3.04	10.48	3.04	10.48	10.48	10.48	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.20	1.96	6.27	1.96	6.27	6.27	6.27	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.09	0.94	3.88	0.94	3.88	3.88	3.88	0.100	0.250	0.40	1.64	1.00	4.10	J
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.24	2.41	9.08	2.41	9.08	9.08	9.08	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.09	0.95	6.42	0.95	6.42	6.42	6.42	0.025	0.250	0.10	0.68	1.00	6.79	J
Chlorobenzene	112.6	0.00	0.02	0.10	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.20	2.04	8.87	2.04	8.87	8.87	8.87	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.09	0.93	4.05	0.93	4.05	4.05	4.05	0.100	0.250	0.40	1.74	1.00	4.35	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.46	164.57	445.18	164.57	445.18	445.18	445.18	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.34	94	94	94	94	94	94	94	94	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	15.62	26.91
ND		ND		Y	0.00	0.00
		=		Y	10.62	13.92
		=		Y	1.45	2.99
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	27.70	52.31
		=		Y	5.64	12.96
ND		ND		Y	0.00	0.00
		=		Y	13.38	31.83
J		=		Y	1.50	3.70
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.35	9.90
ND	ND	Y	0.00	0.00
	=	Y	1.27	4.49
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	23.15	113.19
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.04	10.48
J	=	Y	1.96	6.27
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.94	3.88
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.41	9.08
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**46**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|\left|\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

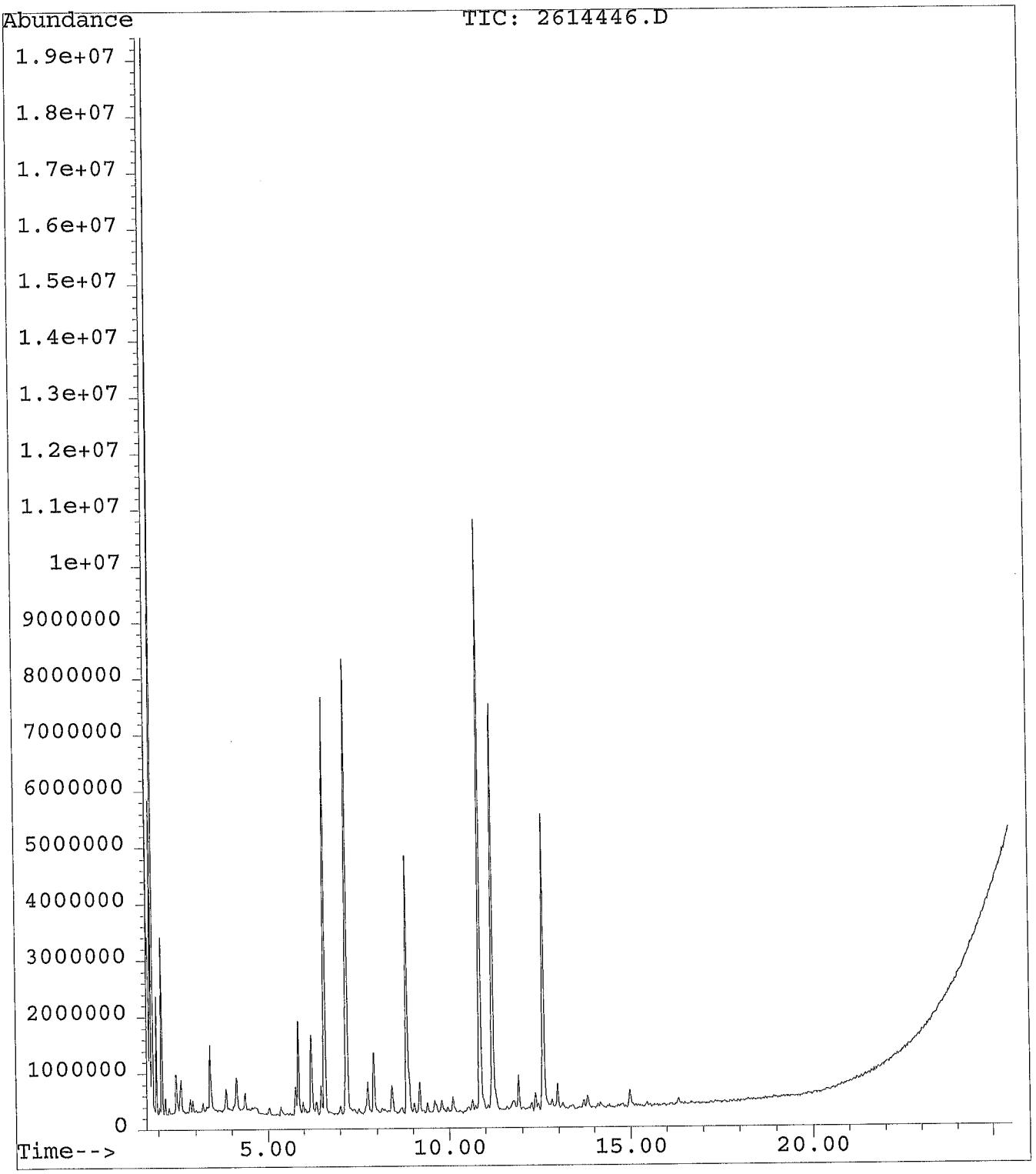
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	731490	20.0	5458775	1.562	15.62	26.91
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5458775	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	459848	20.0	5458775	1.062	10.62	13.92
5	Chloromethane	PFB	SA	50.5	0.699	110372	20.0	5458775	0.145	1.45	2.99
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5458775	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5458775	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5458775	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5458775	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5458775	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	297575	20.0	5458775	2.770	27.70	52.31
12	Acrolein	PFB	SA	56.1	0.121	74675	20.0	5458775	0.564	5.64	12.96
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5458775	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	295100	20.0	5458775	1.338	13.38	31.83
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	152014	20.0	5458775	0.150	1.50	3.70
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5458775	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5458775	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5458775	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5458775	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5458775	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5458775	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5458775	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5458775	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5458775	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5458775	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5458775	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5458775	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5458775	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5458775	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	69625	20.0	5458775	0.335	3.35	9.90
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5458775	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	147789	20.0	5458775	0.127	1.27	4.49
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5458775	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5458775	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5458775	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5458775	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5458775	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5458775	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5458775	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5458775	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	1495669	20.0	5458775	2.315	23.15	113.19
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8521575	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8521575	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8521575	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	284634	20.0	8521575	0.304	3.04	10.48
47	Benzene	14DFB	SA	78.1	0.984	328397	20.0	8521575	0.196	1.96	6.27
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8521575	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8521575	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8521575	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	49271	20.0	8521575	0.094	0.94	3.88
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8521575	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8521575	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8521575	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8521575	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8521575	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8521575	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8521575	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8521575	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	373893	20.0	8521575	0.241	2.41	9.08
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8521575	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8521575	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8521575	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8521575	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8521575	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8521575	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8521575	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8521575	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	66583	20.0	8521575	0.095	0.95	6.42
72	Chlorobenzene	d5CB	SA	112.6	0.888	2770	20.0	8849432	0.002	0.02	0.10
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8849432	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8849432	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	303888	20.0	8849432	0.204	2.04	8.87
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8849432	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8849432	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8849432	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	141800	20.0	8849432	0.093	0.93	4.05
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8849432	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8849432	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8849432	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8849432	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8849432	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8849432	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8849432	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8849432	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8849432	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8849432	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8849432	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8849432	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8849432	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8849432	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8849432	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8849432	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8849432	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8849432	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8849432	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8849432	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8849432	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8849432	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8849432	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10018008	20.0	8849432	16.457	164.57	445.18
1	Pentafluorobenzene		IS			5458775	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8521575	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8849432	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4490828	5.0		2.341	93.65	94

File : C:\MSCHEM\1\DATA\08106B_3\2614446.D
Operator : KL
Acquired : 10 Aug 126 2:06 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-404
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 47

Client ID T-405

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 47

File Name: 2614447.D
Description: T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.14	0.69	1.72	1.97	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.63	2.62	3.15	4.76	
74-87-3	Chloromethane	0.60	1.00	0.74	1.24	2.07	1.52	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	18.06	3.78	24.24	34.10	
107-02-8	Acrolein	0.40	1.20	1.39	0.92	2.76	3.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	10.23	4.76	5.71	24.35	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.96	0.98	4.89	4.70	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	76.24	0.54	5.38	410.29	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	93	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 47

File Name: 2614447.D
Description T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	187.90	2.71	3.25	508.29	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 47

File Name: 2614447.D
Description T-405
Canister: 849
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 09:59
Date Analyzed: 8/10/2026 **Time:** 14:42
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	47		
File Name:	2614447.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	9:59
Sample ID:	T-405	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	14:42
Anal Date:	10 Aug 126 2:42 pm	**SF:**	2	**QCbatch:**	081026-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	849		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.114	1.69	42.00	48919
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.363	2.49	31.00	143466
74-87-3	Chloromethane	5	SA	0.074	2.03	50.00	51152
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.806	3.39	46.00	176931
107-02-8	Acrolein	12	SA	0.139	3.75	56.00	16820
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.023	4.13	58.00	205858
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.096	5.83	83.00	**56669**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.133	6.49	78.00	207887
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	7.624	6.49	130.00	4410972
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.87	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.790	1.83	51.00	10031615
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4979141**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7947046**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7761180**
2037-26-5	Toluene-d8	61	SURR	2.323	8.85	98.00	**4156139**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 47
File Name: 2614447.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 849
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.11	1.14	1.97	1.14	1.97	1.97	1.97	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.36	3.63	4.76	3.63	4.76	4.76	4.76	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.07	0.74	1.52	0.74	1.52	1.52	1.52	0.150	0.250	0.60	1.24	1.00	2.07	J
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.81	18.06	34.10	18.06	34.10	34.10	34.10	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.14	1.39	3.20	1.39	3.20	3.20	3.20	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.02	10.23	24.35	10.23	24.35	24.35	24.35	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.10	0.96	4.70	0.96	4.70	4.70	4.70	0.050	0.250	0.20	0.98	1.00	4.89	J
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.33	4.25	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	7.62	76.24	410.29	76.24	410.29	410.29	410.29	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.79	187.90	508.29	187.90	508.29	508.29	508.29	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.32	93	93	93	93	93	93	93	93	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.14	1.97
ND		ND		Y	0.00	0.00
		=		Y	3.63	4.76
J		=		Y	0.74	1.52
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	18.06	34.10
		=		Y	1.39	3.20
ND		ND		Y	0.00	0.00
		=		Y	10.23	24.35
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**47**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

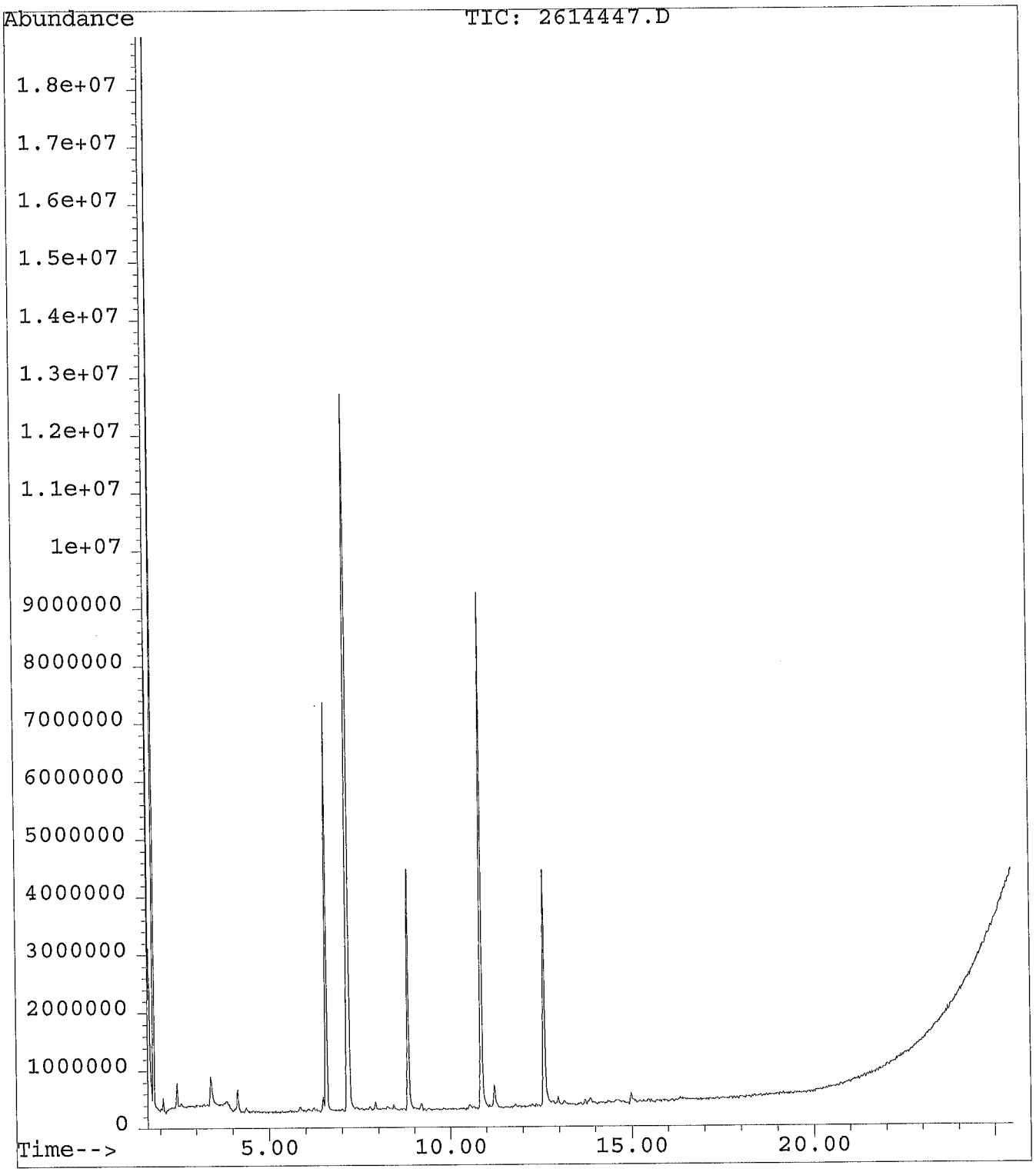
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	48919	20.0	4979141	0.114	1.14	1.97
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4979141	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	143466	20.0	4979141	0.363	3.63	4.76
5	Chloromethane	PFB	SA	50.5	0.699	51152	20.0	4979141	0.074	0.74	1.52
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4979141	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4979141	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4979141	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4979141	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4979141	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	176931	20.0	4979141	1.806	18.06	34.10
12	Acrolein	PFB	SA	56.1	0.121	16820	20.0	4979141	0.139	1.39	3.20
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4979141	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	205858	20.0	4979141	1.023	10.23	24.35
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4979141	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4979141	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4979141	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4979141	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4979141	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4979141	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4979141	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4979141	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4979141	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4979141	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4979141	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4979141	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4979141	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4979141	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4979141	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	4979141	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4979141	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4979141	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4979141	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4979141	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4979141	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4979141	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4979141	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4979141	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4979141	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4979141	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	56669	20.0	4979141	0.096	0.96	4.70
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7947046	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7947046	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7947046	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7947046	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	207887	20.0	7947046	0.133	1.33	4.25
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7947046	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7947046	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7947046	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7947046	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7947046	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7947046	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7947046	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	4410972	20.0	7947046	7.624	76.24	410.29
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7947046	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7947046	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7947046	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7947046	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7947046	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7947046	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7947046	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7947046	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7947046	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7947046	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7947046	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7947046	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7947046	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7947046	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7761180	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7761180	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7761180	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	7761180	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7761180	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7761180	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7761180	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7761180	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7761180	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7761180	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7761180	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7761180	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7761180	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7761180	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7761180	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7761180	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7761180	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7761180	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7761180	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7761180	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7761180	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7761180	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7761180	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7761180	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7761180	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7761180	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7761180	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7761180	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7761180	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7761180	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7761180	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10031615	20.0	7761180	18.790	187.90	508.29
1	Pentafluorobenzene		IS			4979141	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7947046	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7761180	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4156139	5.0		2.323	92.93	93

File : C:\MSCHEM\1\DATA\08106B_3\2614447.D
Operator : KL
Acquired : 10 Aug 126 2:42 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-405
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 48

Client ID T-406

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description: T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.44	0.69	1.72	4.21	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	15.88	2.62	3.15	20.81	
74-87-3	Chloromethane	0.60	1.00	2.33	1.24	2.07	4.82	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	51.45	3.78	24.24	97.14	
107-02-8	Acrolein	0.40	1.20	6.49	0.92	2.76	14.90	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	46.75	4.76	5.71	111.25	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	3.61	1.97	12.31	8.88	J
75-65-0	t-Butyl alcohol	0.40	4.00	6.72	1.21	12.14	20.39	
4227-95-6	Methyl iodide	0.40	1.20	2.09	2.34	7.02	12.23	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.54	1.18	3.54	16.36	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	4.74	0.59	3.54	13.98	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	2.01	0.98	4.89	9.82	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.53	4.48	6.40	8.08	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	7.24	1.44	7.22	26.12	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.81	1.64	13.13	7.43	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.85	1.74	4.35	3.71	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.98	1.74	4.35	4.28	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.90	1.74	4.35	3.91	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	1.93	2.71	3.25	5.21	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 48

File Name: 2614448A.D
Description T-406
Canister: 506
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:02
Date Analyzed: 8/10/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	48		
File Name:	2614448A.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	10:02
Sample ID:	T-406	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	16:27
Anal Date:	10 Aug 126 4:27 pm	**SF:**	2	**QCbatch:**	081026-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	506		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.244	1.69	42.00	81959
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.588	2.49	31.00	492384
74-87-3	Chloromethane	5	SA	0.233	2.03	50.00	127383
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	5.145	3.39	46.00	395792
107-02-8	Acrolein	12	SA	0.649	3.75	56.00	61488
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	4.675	4.13	58.00	738620
67-63-0	2-propanol (isopropylalcohc	15	SA	0.361	3.99	45.00	261613
75-65-0	t-Butyl alcohol	16	SA	0.672	4.50	59.00	470299
4227-95-6	Methyl iodide	17	SA	0.209	3.51	142.00	16601
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.554	6.18	72.00	82353
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.474	6.18	72.00	69465
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.201	5.83	83.00	**92897**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.253	6.49	78.00	292843
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.724	8.09	88.00	181084
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.181	9.40	58.00	69617
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.085	10.94	106	128161
1330-20-7	m,p-Xylenes	75	SA	0.098	11.15	91.00	125099
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.090	11.76	91.00	116945
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.003	12.24	105.00	3671
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.32	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.193	1.86	51.00	100068
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3909631**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**5894259**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7557020**
2037-26-5	Toluene-d8	61	SURR	2.601	8.85	98.00	**3450502**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 48
File Name: 2614448A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 506
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.24	2.44	4.21	2.44	4.21	4.21	4.21	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.59	15.88	20.81	15.88	20.81	20.81	20.81	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.23	2.33	4.82	2.33	4.82	4.82	4.82	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	5.14	51.45	97.14	51.45	97.14	97.14	97.14	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.65	6.49	14.90	6.49	14.90	14.90	14.90	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	4.68	46.75	111.25	46.75	111.25	111.25	111.25	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.36	3.61	8.88	3.61	8.88	8.88	8.88	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.67	6.72	20.39	6.72	20.39	20.39	20.39	0.100	1.000	0.40	1.21	4.00	12.14	
Methyl iodide	142.9	0.21	2.09	12.23	2.09	12.23	12.23	12.23	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.55	5.54	16.36	5.54	16.36	16.36	16.36	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.47	4.74	13.98	4.74	13.98	13.98	13.98	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.20	2.01	9.82	2.01	9.82	9.82	9.82	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.25	2.53	8.08	2.53	8.08	8.08	8.08	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.72	7.24	26.12	7.24	26.12	26.12	26.12	0.100	0.500	0.40	1.44	2.00	7.22	
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.18	1.81	7.43	1.81	7.43	7.43	7.43	0.100	0.800	0.40	1.64	3.20	13.13	J
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.09	0.85	3.71	0.85	3.71	3.71	3.71	0.100	0.250	0.40	1.74	1.00	4.35	J
m,p-Xylenes	106.2	0.10	0.98	4.28	0.98	4.28	4.28	4.28	0.100	0.250	0.40	1.74	1.00	4.35	J
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.09	0.90	3.91	0.90	3.91	3.91	3.91	0.100	0.250	0.40	1.74	1.00	4.35	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.03	0.14	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.19	1.93	5.21	1.93	5.21	5.21	5.21	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.60	104	104	104	104	104	104	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.44	4.21
ND		ND		Y	0.00	0.00
		=		Y	15.88	20.81
		=		Y	2.33	4.82
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	51.45	97.14
		=		Y	6.49	14.90
ND		ND		Y	0.00	0.00
		=		Y	46.75	111.25
J		=		Y	3.61	8.88
		=		Y	6.72	20.39
		=		Y	2.09	12.23
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	5.54	16.36
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.74	13.98
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.01	9.82
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.53	8.08
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	7.24	26.12
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.81	7.43
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**48**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum (Astdni) (Cistdi) / (Cstdni) (Aistdi) i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

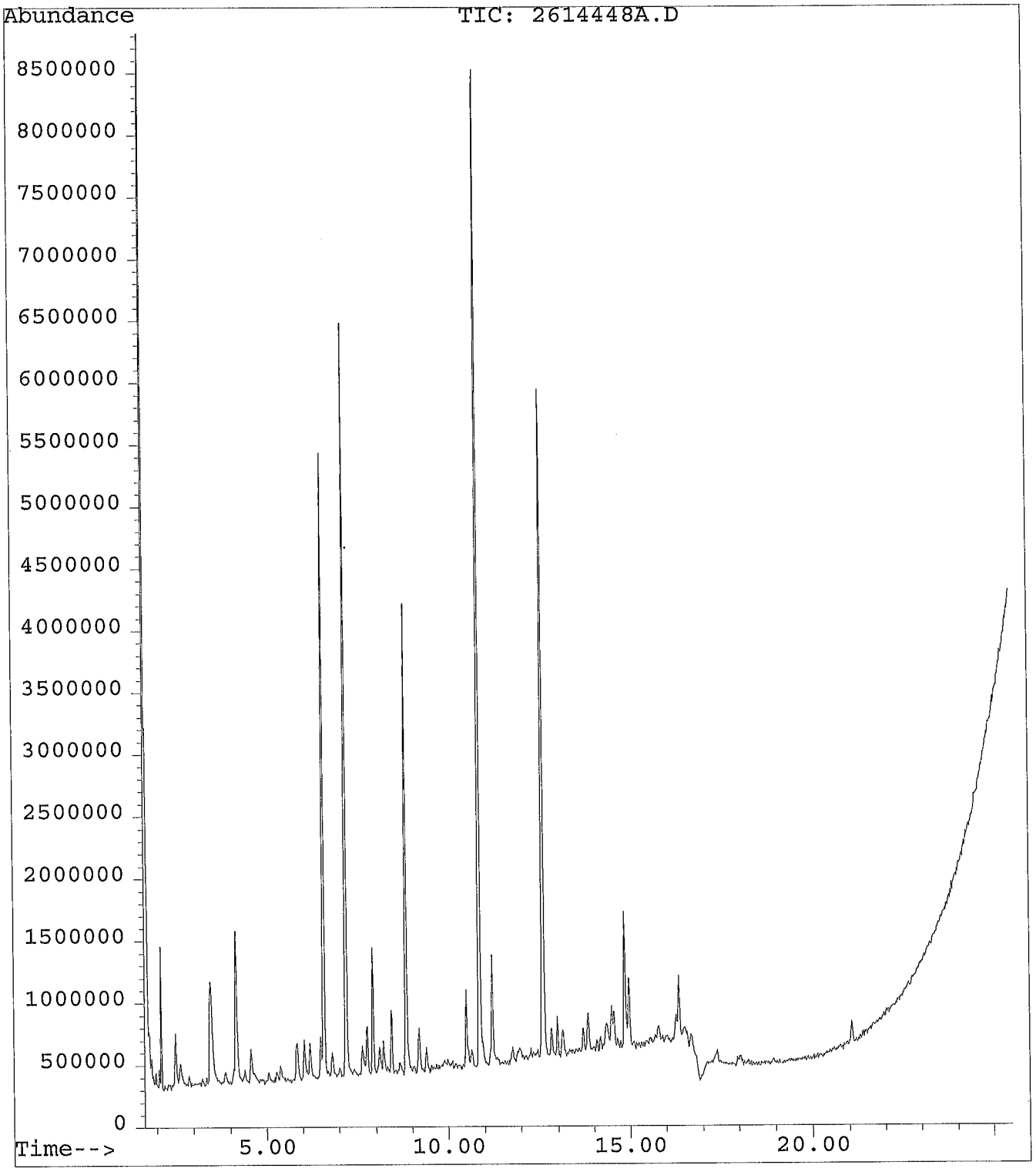
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi AIs	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	81959	20.0	3909631	0.244	2.44	4.21
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	3909631	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	492384	20.0	3909631	1.588	15.88	20.81
5	Chloromethane	PFB	SA	50.5	0.699	127383	20.0	3909631	0.233	2.33	4.82
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	3909631	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	3909631	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	3909631	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	3909631	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	3909631	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	395792	20.0	3909631	5.145	51.45	97.14
12	Acrolein	PFB	SA	56.1	0.121	61488	20.0	3909631	0.649	6.49	14.90
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	3909631	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	738620	20.0	3909631	4.675	46.75	111.25
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	261613	20.0	3909631	0.361	3.61	8.88
16	t-Butyl alcohol	PFB	SA	74.1	0.895	470299	20.0	3909631	0.672	6.72	20.39
17	Methyl iodide	PFB	SA	142.9	0.305	16601	20.0	3909631	0.209	2.09	12.23
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	3909631	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	3909631	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	3909631	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	3909631	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	3909631	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	3909631	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	3909631	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	3909631	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	3909631	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	3909631	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	3909631	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	3909631	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	82353	20.0	3909631	0.554	5.54	16.36
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	3909631	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	3909631	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	3909631	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	3909631	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	3909631	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	3909631	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	69465	20.0	3909631	0.474	4.74	13.98
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	3909631	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	3909631	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	3909631	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	92897	20.0	3909631	0.201	2.01	9.82
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	5894259	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	5894259	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	5894259	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	5894259	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	292843	20.0	5894259	0.253	2.53	8.08
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	5894259	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	5894259	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	5894259	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	5894259	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	5894259	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	181084	20.0	5894259	0.724	7.24	26.12
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	5894259	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	5894259	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	5894259	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	5894259	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	69617	20.0	5894259	0.181	1.81	7.43
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	5894259	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	5894259	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	5894259	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	5894259	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	5894259	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	5894259	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	5894259	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	5894259	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	5894259	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	5894259	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	5894259	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7557020	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7557020	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	128161	20.0	7557020	0.085	0.85	3.71
75	m,p-Xylenes	d5CB	SA	106.2	0.842	125099	20.0	7557020	0.098	0.98	4.28
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7557020	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7557020	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7557020	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	116945	20.0	7557020	0.090	0.90	3.91
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7557020	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7557020	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7557020	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7557020	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	3671	20.0	7557020	0.003	0.03	0.14
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7557020	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7557020	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7557020	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7557020	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7557020	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7557020	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7557020	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7557020	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7557020	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7557020	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7557020	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7557020	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7557020	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7557020	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7557020	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7557020	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7557020	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7557020	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	100068	20.0	7557020	0.193	1.93	5.21
1	Pentafluorobenzene		IS			3909631	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			5894259	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7557020	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3450502	5.0		2.601	104.03	104

File : C:\MSCHEM\1\DATA\08106B_3\2614448A.D
Operator : SW
Acquired : 10 Aug 126 4:27 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-406
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **49**

Client ID T-407

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description: T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.96	0.69	1.72	1.65	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.45	2.62	3.15	3.21	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	10.86	3.78	24.24	20.50	J
107-02-8	Acrolein	0.40	1.20	2.21	0.92	2.76	5.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	17.37	4.76	5.71	41.33	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.67	1.97	12.31	6.56	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	7.91	1.18	3.54	23.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	4.61	1.64	13.13	18.94	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.53	2.71	3.25	596.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 49

File Name: 2614449A.D
Description T-407
Canister: 823
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:07
Date Analyzed: 8/10/2026 **Time:** 17:02
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	49		
File Name:	2614449A.D	Method:	TO-15	Date Sampled:	7/23/2026	Time:	10:07
Sample ID:	T-407	Matrix:	AA	Date Received:	7/24/2026	Time:	16:10
MiscInfo-Vol:	SCHMIDT	Detect:	ND	Date Analyzed:	8/10/2026	Time:	17:02
Anal Date:	10 Aug 126 5:02 pm	SF:	2	QCbatch:	081026-MA1		
Quant Method:	B15CS3_C.M	MDLSF:	2	Volume:	100.0		
Run Method:	B1563_C.M	Type:	SA	Can (Vial) No:	823		
Cal Update:	Fri Aug 07 13:09:23 2026	Instrument:	MA1	Can Factor:	1.00		
Instrument:	5970 - MS	EDD SURR:	PERCENT	SamType:	SA		
Analyst:	SW	UnitDil:	1000	PPBV			
Template:	B15CHIQ.MA1	MDL FAC	0.4	UG/M3			
Temp	24.5	EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.096	1.69	42.00	52018
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.245	2.49	31.00	123064
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0:000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.086	3.39	46.00	135301
107-02-8	Acrolein	12	SA	0.221	3.75	56.00	33898
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.737	4.13	58.00	444435
67-63-0	2-propanol (isopropylalcohc	15	SA	0.267	3.99	45.00	313042
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.791	6.18	72.00	190436
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.116	6.49	78.00	206254
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.461	10.50	58.00	462472
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.80	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	22.053	1.86	51.00	12931652
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6332543**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9007276**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8524663**
2037-26-5	Toluene-d8	61	SURR	2.374	8.85	98.00	**4813484**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 49
File Name: 2614449A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 823
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.10	0.96	1.65	0.96	1.65	1.65	1.65	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.25	2.45	3.21	2.45	3.21	3.21	3.21	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.09	10.86	20.50	10.86	20.50	20.50	20.50	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.22	2.21	5.07	2.21	5.07	5.07	5.07	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.74	17.37	41.33	17.37	41.33	41.33	41.33	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.27	2.67	6.56	2.67	6.56	6.56	6.56	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.79	7.91	23.35	7.91	23.35	23.35	23.35	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.12	1.16	3.72	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.46	4.61	18.94	4.61	18.94	18.94	18.94	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	22.05	220.53	596.55	220.53	596.55	596.55	596.55	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.37	95	95	95	95	95	95	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=		Y	0.96	1.65
ND		ND		Y	0.00	0.00
		=		Y	2.45	3.21
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	10.86	20.50
		=		Y	2.21	5.07
ND		ND		Y	0.00	0.00
		=		Y	17.37	41.33
J		=		Y	2.67	6.56
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

| | | |

ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**49**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdnl)}{(Cstdnl)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

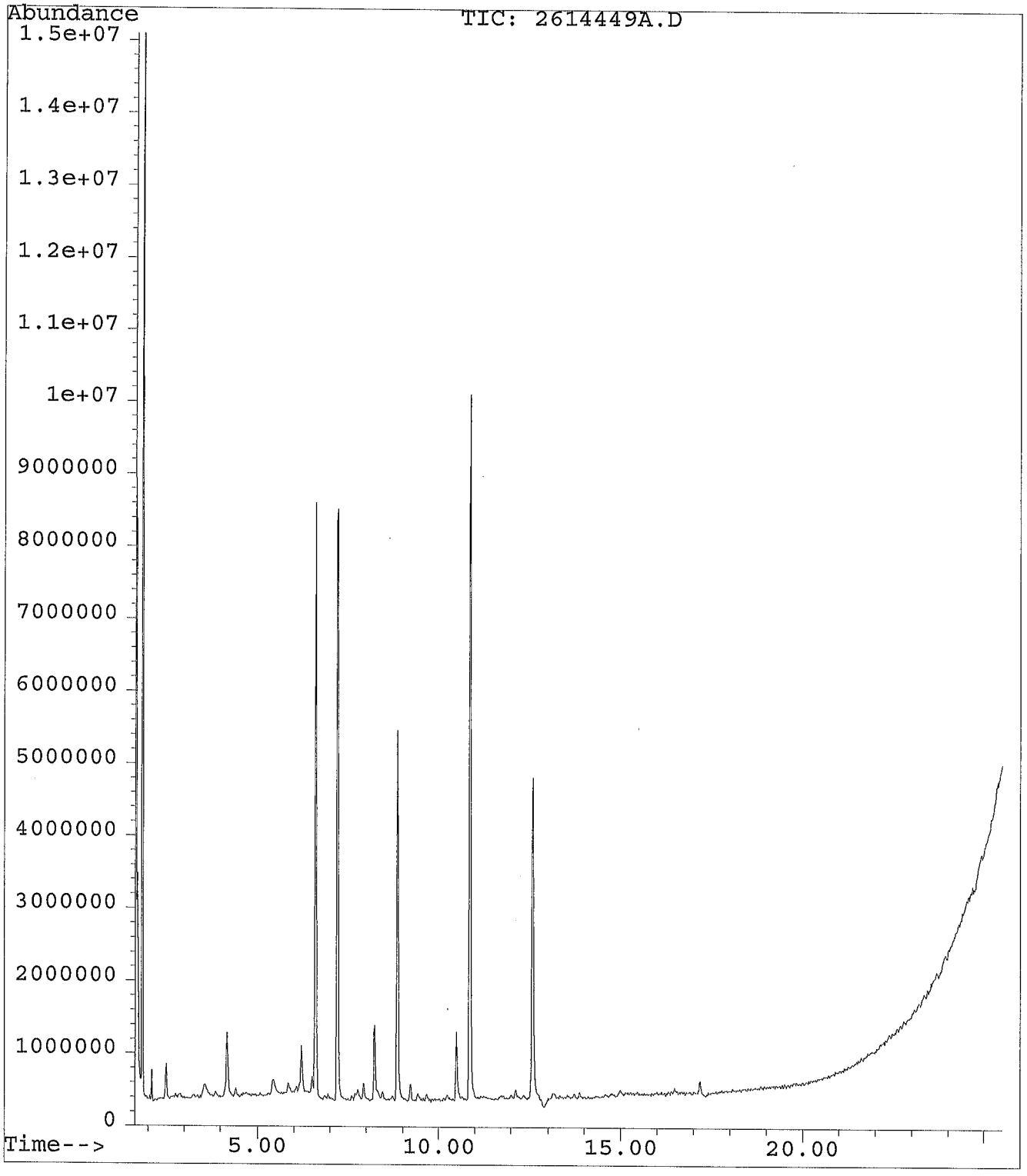
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	52018	20.0	6332543	0.096	0.96	1.65
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6332543	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	123064	20.0	6332543	0.245	2.45	3.21
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	6332543	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6332543	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6332543	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6332543	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6332543	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6332543	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	135301	20.0	6332543	1.086	10.86	20.50
12	Acrolein	PFB	SA	56.1	0.121	33898	20.0	6332543	0.221	2.21	5.07
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6332543	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	444435	20.0	6332543	1.737	17.37	41.33
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	313042	20.0	6332543	0.267	2.67	6.56
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6332543	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6332543	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6332543	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6332543	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6332543	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6332543	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6332543	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6332543	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6332543	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6332543	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6332543	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6332543	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6332543	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6332543	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	190436	20.0	6332543	0.791	7.91	23.35
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6332543	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6332543	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6332543	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6332543	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6332543	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6332543	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6332543	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6332543	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6332543	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6332543	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6332543	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9007276	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9007276	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9007276	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9007276	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	206254	20.0	9007276	0.116	1.16	3.72
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9007276	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9007276	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9007276	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9007276	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9007276	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9007276	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9007276	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	9007276	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9007276	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9007276	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9007276	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9007276	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	9007276	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9007276	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9007276	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9007276	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	462472	20.0	9007276	0.461	4.61	18.94
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9007276	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9007276	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9007276	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9007276	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9007276	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8524663	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8524663	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8524663	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8524663	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8524663	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8524663	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8524663	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8524663	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8524663	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8524663	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8524663	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8524663	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8524663	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8524663	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8524663	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8524663	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8524663	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8524663	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8524663	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8524663	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8524663	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8524663	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8524663	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8524663	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8524663	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8524663	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8524663	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8524663	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8524663	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8524663	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8524663	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12931652	20.0	8524663	22.053	220.53	596.55
1	Pentafluorobenzene		IS			6332543	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9007276	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8524663	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4813484	5.0		2.374	94.96	95

File : C:\MSCHEM\1\DATA\08106B_3\2614449A.D
Operator : SW
Acquired : 10 Aug 126 5:02 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-407
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 50

Client ID T-408

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description: T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	15.92	0.69	1.72	27.44	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	17.96	2.62	3.15	23.54	
74-87-3	Chloromethane	0.60	1.00	3.37	1.24	2.07	6.96	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.95	1.55	3.89	7.59	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	11.13	3.78	24.24	21.01	J
107-02-8	Acrolein	0.40	1.20	10.86	0.92	2.76	24.96	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	42.56	4.76	5.71	101.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	7.18	1.97	12.31	17.66	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.66	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	13.50	1.18	3.54	39.86	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.54	1.41	3.53	5.45	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	12.50	0.59	3.54	36.92	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	10.08	0.98	4.89	49.28	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.30	0.69	3.45	11.39	
71-43-2	Benzene	1.40	2.00	2.22	4.48	6.40	7.11	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.33	3.02	3.77	5.02	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.74	1.74	4.35	3.22	J
1330-20-7	m,p-Xylenes	0.40	1.00	0.82	1.74	4.35	3.56	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.56	1.74	4.35	2.43	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	0.98	4.40	13.19	5.37	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	218.39	2.71	3.25	590.75	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 50

File Name: 2614450A.D
Description T-408
Canister: 789
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 10:11
Date Analyzed: 8/10/2026 **Time:** 17:38
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614450A.D			**SDG:**	226144		
Sample ID:	T-408			**EAS ID:**	50		
MiscInfo-Vol:	SCHMIDT	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	10:11
Anal Date:	10 Aug 126 5:38 pm	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	17:38
Run Method:	B1563_C.M	**SF:**	2	**QCbatch:**	081026-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**MDLSF:**	2	**Volume:**	100.0		
Instrument:	5970 - MS	**Type:**	SA	**Can (Vial) No:**	789		
Analyst:	SW	**Instrument:**	MA1	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**EDD SURR:**	PERCENT	**SamType:**	SA		
Temp	24.5	**UnitDil:**	1000	PPBV			
		MDL FAC	0.4	UG/M3			
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	1.592	1.69	42.00	537517
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.796	2.49	31.00	560475
74-87-3	Chloromethane	5	SA	0.337	2.03	50.00	185006
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.195	2.44	94.00	50819
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.113	3.39	46.00	86111
107-02-8	Acrolein	12	SA	1.086	3.75	56.00	103604
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	4.256	4.13	58.00	676437
67-63-0	2-propanol (isopropylalcohc	15	SA	0.718	3.99	45.00	523522
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.199	3.51	142.00	13349
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.350	6.18	72.00	201920
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.154	4.33	57.00	129448
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	1.250	6.18	72.00	184518
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	1.008	5.83	83.00	**469171**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.330	5.78	56.00	218138
71-43-2	Benzene	47	SA	0.222	6.49	78.00	262380
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.133	8.92	91.00	145638
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.074	10.94	106	102410
1330-20-7	m,p-Xylenes	75	SA	0.082	11.15	91.00	96013
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.056	11.77	91.00	67033
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.098	14.10	119.00	175702
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.839	1.88	51.00	10463806
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3933511**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6003925**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**6965557**
2037-26-5	Toluene-d8	61	SURR	2.530	8.85	98.00	**3419834**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 50
File Name: 2614450A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 789
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	1.59	15.92	27.44	15.92	27.44	27.44	27.44	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.80	17.96	23.54	17.96	23.54	23.54	23.54	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.34	3.37	6.96	3.37	6.96	6.96	6.96	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.20	1.95	7.59	1.95	7.59	7.59	7.59	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.11	11.13	21.01	11.13	21.01	21.01	21.01	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	1.09	10.86	24.96	10.86	24.96	24.96	24.96	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	4.26	42.56	101.27	42.56	101.27	101.27	101.27	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.72	7.18	17.66	7.18	17.66	17.66	17.66	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	1.99	11.66	1.99	11.66	11.66	11.66	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.35	13.50	39.86	13.50	39.86	39.86	39.86	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.15	1.54	5.45	1.54	5.45	5.45	5.45	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	1.25	12.50	36.92	12.50	36.92	36.92	36.92	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	1.01	10.08	49.28	10.08	49.28	49.28	49.28	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.33	3.30	11.39	3.30	11.39	11.39	11.39	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.22	2.22	7.11	2.22	7.11	7.11	7.11	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.13	1.33	5.02	1.33	5.02	5.02	5.02	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.07	0.74	3.22	0.74	3.22	3.22	3.22	0.100	0.250	0.40	1.74	1.00	4.35	J
m,p-Xylenes	106.2	0.08	0.82	3.56	0.82	3.56	3.56	3.56	0.100	0.250	0.40	1.74	1.00	4.35	J
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.06	0.56	2.43	0.56	2.43	2.43	2.43	0.100	0.250	0.40	1.74	1.00	4.35	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.10	0.98	5.37	0.98	5.37	5.37	5.37	0.200	0.600	0.80	4.40	2.40	13.19	J
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.84	218.39	590.75	218.39	590.75	590.75	590.75	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.53	101	101	101	101	101	101	101	101	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	15.92	27.44
ND		ND		Y	0.00	0.00
		=		Y	17.96	23.54
		=		Y	3.37	6.96
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.95	7.59
ND		ND		Y	0.00	0.00
J		=		Y	11.13	21.01
		=		Y	10.86	24.96
ND		ND		Y	0.00	0.00
		=		Y	42.56	101.27
		=		Y	7.18	17.66
ND		ND		Y	0.00	0.00
		=		Y	1.99	11.66
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	13.50	39.86
ND	ND	Y	0.00	0.00
	=	Y	1.54	5.45
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	12.50	36.92
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	10.08	49.28
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.30	11.39
	=	Y	2.22	7.11
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.33	5.02
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**50**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|\left|\frac{(Cistdi)}{(Aistdi)}\right|$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \times \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)}{(SV)} \times \frac{1000}{MW} \times (CDF)$

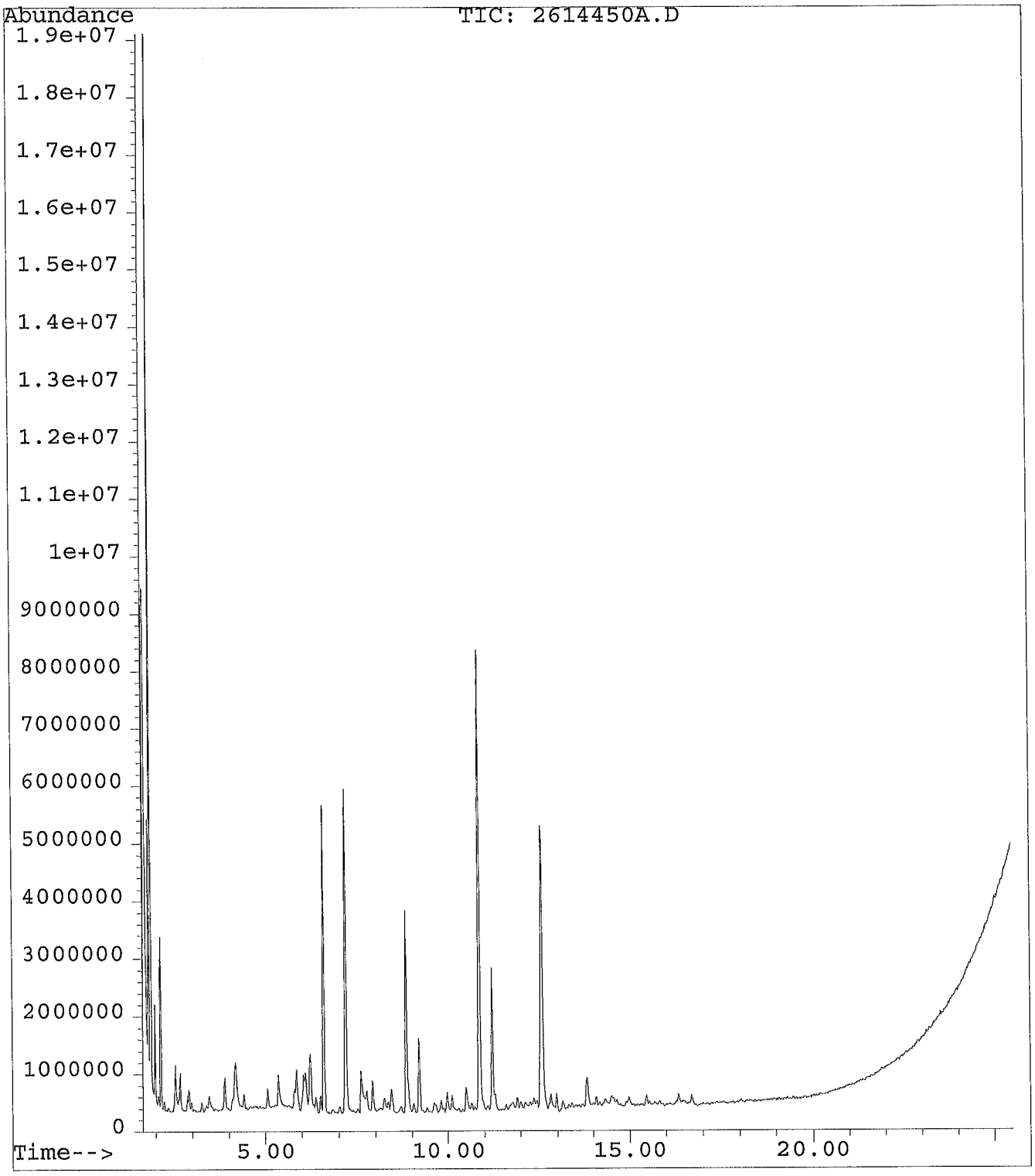
4) Amount ug/m3 = (amt(ppbv) $\times \frac{MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	537517	20.0	3933511	1.592	15.92	27.44
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	3933511	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	560475	20.0	3933511	1.796	17.96	23.54
5	Chloromethane	PFB	SA	50.5	0.699	185006	20.0	3933511	0.337	3.37	6.96
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	3933511	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	3933511	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	3933511	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	50819	20.0	3933511	0.195	1.95	7.59
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	3933511	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	86111	20.0	3933511	1.113	11.13	21.01
12	Acrolein	PFB	SA	56.1	0.121	103604	20.0	3933511	1.086	10.86	24.96
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	3933511	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	676437	20.0	3933511	4.256	42.56	101.27
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	523522	20.0	3933511	0.718	7.18	17.66
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	3933511	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	13349	20.0	3933511	0.199	1.99	11.66
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	3933511	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	3933511	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	3933511	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	3933511	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	3933511	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	3933511	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	3933511	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	3933511	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	3933511	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	3933511	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	3933511	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	3933511	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	201920	20.0	3933511	1.350	13.50	39.86
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	3933511	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	129448	20.0	3933511	0.154	1.54	5.45
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	3933511	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	3933511	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	3933511	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	3933511	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	184518	20.0	3933511	1.250	12.50	36.92
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	3933511	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	3933511	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	3933511	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	469171	20.0	3933511	1.008	10.08	49.28
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	6003925	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	6003925	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	6003925	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	218138	20.0	6003925	0.330	3.30	11.39
47	Benzene	14DFB	SA	78.1	0.984	262380	20.0	6003925	0.222	2.22	7.11
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	6003925	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	6003925	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	6003925	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	6003925	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	6003925	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	6003925	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	6003925	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	6003925	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	6003925	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	6003925	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	6003925	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	6003925	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	145638	20.0	6003925	0.133	1.33	5.02
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	6003925	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	6003925	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	6003925	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	6003925	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	6003925	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	6003925	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	6003925	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	6003925	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	6003925	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	6965557	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	6965557	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	102410	20.0	6965557	0.074	0.74	3.22
75	m,p-Xylenes	d5CB	SA	106.2	0.842	96013	20.0	6965557	0.082	0.82	3.56
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	6965557	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	6965557	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	6965557	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	67033	20.0	6965557	0.056	0.56	2.43
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	6965557	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	6965557	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	6965557	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	6965557	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	6965557	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	6965557	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	6965557	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	6965557	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	6965557	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	6965557	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	6965557	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	6965557	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	6965557	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	175702	20.0	6965557	0.098	0.98	5.37
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	6965557	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	6965557	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	6965557	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	6965557	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	6965557	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	6965557	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	6965557	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	6965557	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	6965557	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10463806	20.0	6965557	21.839	218.39	590.75
1	Pentafluorobenzene		IS			3933511	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6003925	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			6965557	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3419834	5.0		2.530	101.22	101

File : C:\MSCHEM\1\DATA\08106B_3\2614450A.D
Operator : SW
Acquired : 10 Aug 126 5:38 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-408
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **51**

Client ID T-409

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 51

File Name: 2614451A.D
Description: T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.21	0.69	1.72	3.80	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.51	2.62	3.15	5.91	
74-87-3	Chloromethane	0.60	1.00	1.25	1.24	2.07	2.59	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.54	1.55	3.89	5.98	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	16.57	3.78	24.24	31.28	
107-02-8	Acrolein	0.40	1.20	2.79	0.92	2.76	6.41	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	16.76	4.76	5.71	39.89	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.15	1.18	3.54	12.27	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.09	4.48	6.40	6.70	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	82.30	0.54	5.38	442.92	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.69	1.64	13.13	15.15	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 51

File Name: 2614451A.D
Description T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	172.09	2.71	3.25	465.52	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 51

File Name: 2614451A.D
Description T-409
Canister: 732
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:10
Date Analyzed: 8/10/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614451A.D			**SDG:**	226144		
Sample ID:	T-409			**EAS ID:**	51		
MiscInfo-Vol:	SCHMIDT	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	11:10
Anal Date:	10 Aug 126 6:16 pm	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	18:16
Run Method:	B1563_C.M	**SF:**	2	**QCbatch:**	081026-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**MDLSF:**	2	**Volume:**	100.0		
Instrument:	5970 - MS	**Type:**	SA	**Can (Vial) No:**	732		
Analyst:	SW	**Instrument:**	MA1	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**EDD SURR:**	PERCENT	**SamType:**	SA		
Temp	24.5	**UnitDil:**	1000	PPBV			
		MDL FAC	0.4	UG/M3			
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.221	1.69	42.00	104015
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.451	2.49	31.00	196584
74-87-3	Chloromethane	5	SA	0.125	2.03	50.00	95952
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.154	2.44	94.00	55847
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.657	3.39	46.00	179077
107-02-8	Acrolein	12	SA	0.279	3.75	56.00	37160
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.676	4.13	58.00	372078
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.415	6.18	72.00	86797
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	0
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.209	6.49	78.00	352641
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	8.230	6.49	130.00	5130155
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	0
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.369	10.50	58.00	351742
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.80	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.209	1.86	51.00	10509702
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5493354**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8561950**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8878105**
2037-26-5	Toluene-d8	61	SURR	2.453	8.85	98.00	**4728396**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 51
File Name: 2614451A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 732
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.22	2.21	3.80	2.21	3.80	3.80	3.80	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.45	4.51	5.91	4.51	5.91	5.91	5.91	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.13	1.25	2.59	1.25	2.59	2.59	2.59	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.15	1.54	5.98	1.54	5.98	5.98	5.98	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.66	16.57	31.28	16.57	31.28	31.28	31.28	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.28	2.79	6.41	2.79	6.41	6.41	6.41	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.68	16.76	39.89	16.76	39.89	39.89	39.89	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.42	4.15	12.27	4.15	12.27	12.27	12.27	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.21	2.09	6.70	2.09	6.70	6.70	6.70	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	8.23	82.30	442.92	82.30	442.92	442.92	442.92	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.37	3.69	15.15	3.69	15.15	15.15	15.15	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.21	172.09	465.52	172.09	465.52	465.52	465.52	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.45	98	98	98	98	98	98	2.5	2.5	
0										
0										
0										

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.21	3.80
ND		ND		Y	0.00	0.00
		=		Y	4.51	5.91
		=		Y	1.25	2.59
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.54	5.98
ND		ND		Y	0.00	0.00
		=		Y	16.57	31.28
		=		Y	2.79	6.41
ND		ND		Y	0.00	0.00
		=		Y	16.76	39.89
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**51**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = Cn

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

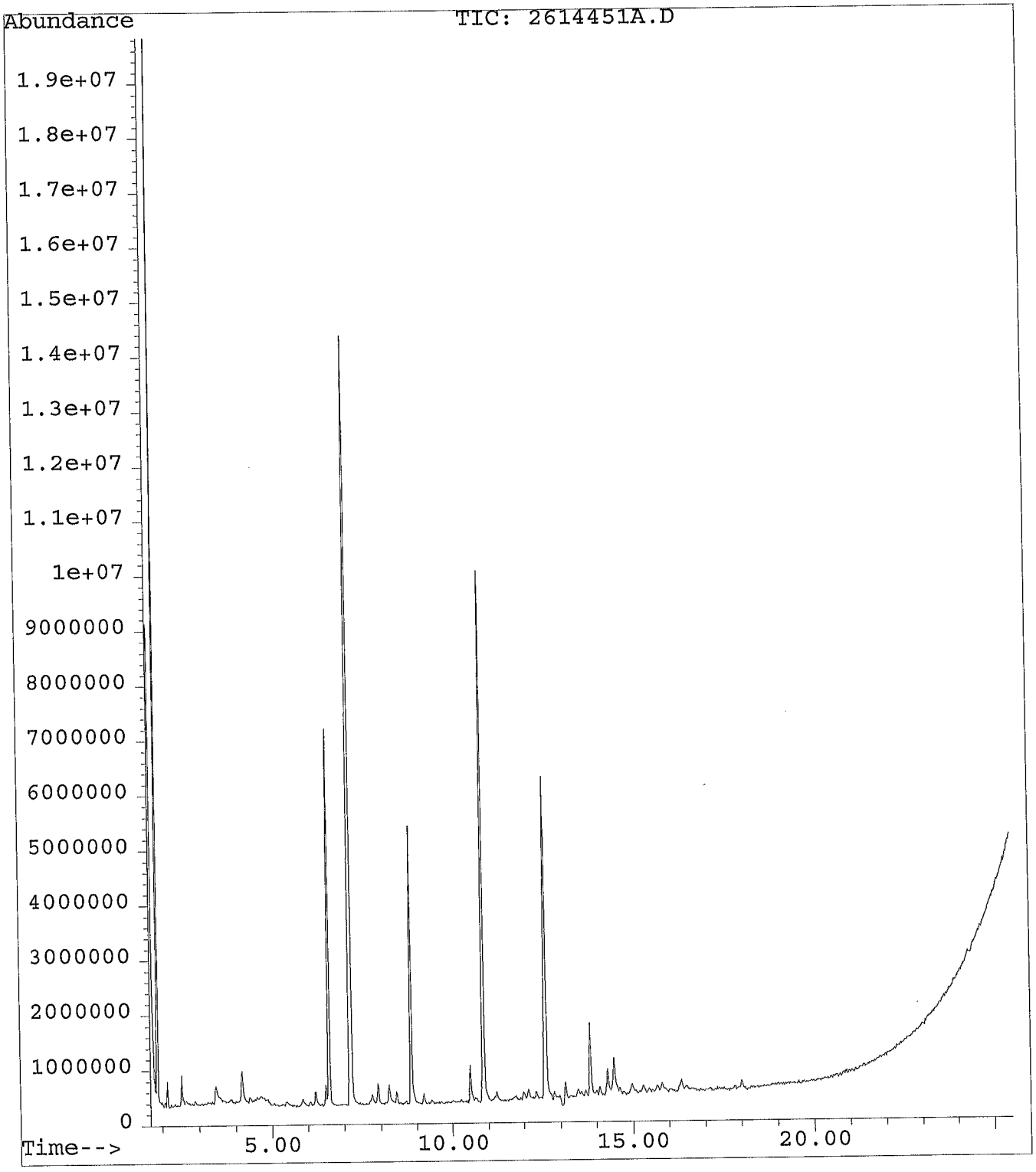
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	104015	20.0	5493354	0.221	2.21	3.80
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5493354	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	196584	20.0	5493354	0.451	4.51	5.91
5	Chloromethane	PFB	SA	50.5	0.699	95952	20.0	5493354	0.125	1.25	2.59
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5493354	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5493354	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5493354	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	55847	20.0	5493354	0.154	1.54	5.98
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5493354	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	179077	20.0	5493354	1.657	16.57	31.28
12	Acrolein	PFB	SA	56.1	0.121	37160	20.0	5493354	0.279	2.79	6.41
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5493354	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	372078	20.0	5493354	1.676	16.76	39.89
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5493354	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5493354	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5493354	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5493354	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5493354	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5493354	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5493354	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5493354	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5493354	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5493354	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5493354	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5493354	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5493354	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5493354	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5493354	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	86797	20.0	5493354	0.415	4.15	12.27
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5493354	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	5493354	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5493354	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5493354	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5493354	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5493354	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5493354	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5493354	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5493354	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5493354	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5493354	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8561950	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8561950	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8561950	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8561950	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	352641	20.0	8561950	0.209	2.09	6.70
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8561950	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8561950	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8561950	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8561950	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8561950	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8561950	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8561950	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	5130155	20.0	8561950	8.230	82.30	442.92
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8561950	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8561950	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8561950	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8561950	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	8561950	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8561950	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8561950	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8561950	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	351742	20.0	8561950	0.369	3.69	15.15
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8561950	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8561950	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8561950	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8561950	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8561950	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8878105	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8878105	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8878105	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8878105	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8878105	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8878105	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8878105	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8878105	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8878105	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8878105	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8878105	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8878105	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8878105	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8878105	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8878105	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8878105	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8878105	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8878105	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8878105	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8878105	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8878105	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8878105	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8878105	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8878105	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8878105	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8878105	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8878105	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8878105	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8878105	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8878105	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8878105	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10509702	20.0	8878105	17.209	172.09	465.52
1	Pentafluorobenzene		IS			5493354	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8561950	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8878105	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4728396	5.0		2.453	98.14	98

File : C:\MSCHEM\1\DATA\08106B_3\2614451A.D
Operator : SW
Acquired : 10 Aug 126 6:16 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-409
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 52

Client ID T-410

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.50	0.69	1.72	4.30	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.91	2.62	3.15	27.40	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.56	1.55	3.89	17.73	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
107-02-8	Acrolein	0.40	1.20	6.08	0.92	2.76	13.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	35.17	4.76	5.71	83.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.19	1.97	12.31	2.94	J
75-65-0	t-Butyl alcohol	0.40	4.00	2.85	1.21	12.14	8.64	J
4227-95-6	Methyl iodide	0.40	1.20	1.99	2.34	7.02	11.67	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.39	1.18	3.54	15.93	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.20	1.41	3.53	7.78	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.04	4.48	6.40	6.52	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	2.24	0.54	5.38	12.05	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	1.53	1.64	13.13	6.26	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	0.88	3.02	3.77	3.34	J
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	5.02	1.64	13.13	20.60	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.28	0.68	6.79	8.69	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.12	1.74	4.35	4.89	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.58	2.10	10.50	8.28	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	181.75	2.71	3.25	491.66	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/10/2026 **Time:** 18:52
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	17.00	28.67	61.43	69.62
1-DECANE, 3,4-DIMETHYL	7.00	15.00	20.40	28.67	61.43	83.55

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614452A.D			**SDG:**	226144		
Sample ID:	T-410			**EAS ID:**	52		
MiscInfo-Vol:	SCHMIDT	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	11:09
Anal Date:	10 Aug 126 6:52 pm	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	18:52
Run Method:	B1563_C.M	**SF:**	2	**QCbatch:**	081026-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**MDLSF:**	2	**Volume:**	100.0		
Instrument:	5970 - MS	**Type:**	SA	**Can (Vial) No:**	709		
Analyst:	SW	**Instrument:**	MA1	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**EDD SURR:**	PERCENT	**SamType:**	SA		
Temp	24.5	**UnitDil:**	1000 PPBV				
		MDL FAC	0.4 UG/M3				
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.250	1.69	42.00	131977
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	2.091	2.49	31.00	1021498
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.456	2.44	94.00	185816
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	60.098	3.39	46.00	7283596
107-02-8	Acrolein	12	SA	0.608	3.75	56.00	90813
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	3.517	4.13	58.00	875414
67-63-0	2-propanol (isopropylalcohc	15	SA	0.119	3.99	45.00	136499
75-65-0	t-Butyl alcohol	16	SA	0.285	4.50	59.00	313937
4227-95-6	Methyl iodide	17	SA	0.199	3.51	142.00	20942
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.539	6.18	72.00	126341
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.220	4.33	57.00	289219
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.204	6.49	78.00	365982
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.224	6.49	130.00	148733
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.153	9.40	58.00	90777
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.088	8.92	91.00	147021
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.502	10.50	58.00	509578
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.128	9.41	166.00	96464
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.112	11.76	91.00	189256
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.158	17.95	128.00	135898
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.175	1.86	51.00	12236344
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6159445**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9120932**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9787127**
2037-26-5	Toluene-d8	61	SURR	2.464	8.85	98.00	**5058650**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 52
File Name: 2614452A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 709
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.25	2.50	4.30	2.50	4.30	4.30	4.30	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	2.09	20.91	27.40	20.91	27.40	27.40	27.40	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.46	4.56	17.73	4.56	17.73	17.73	17.73	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	60.10	600.98	1134.66	600.98	1,134.66	1134.66	1,134.66	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.61	6.08	13.97	6.08	13.97	13.97	13.97	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	3.52	35.17	83.69	35.17	83.69	83.69	83.69	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.12	1.19	2.94	1.19	2.94	2.94	2.94	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.28	2.85	8.64	2.85	8.64	8.64	8.64	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.20	1.99	11.67	1.99	11.67	11.67	11.67	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.54	5.39	15.93	5.39	15.93	15.93	15.93	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.22	2.20	7.78	2.20	7.78	7.78	7.78	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.20	2.04	6.52	2.04	6.52	6.52	6.52	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.22	2.24	12.05	2.24	12.05	12.05	12.05	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.15	1.53	6.26	1.53	6.26	6.26	6.26	0.100	0.800	0.40	1.64	3.20	13.13	J
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.09	0.88	3.34	0.88	3.34	3.34	3.34	0.200	0.250	0.80	3.02	1.00	3.77	J
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.50	5.02	20.60	5.02	20.60	20.60	20.60	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.13	1.28	8.69	1.28	8.69	8.69	8.69	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.11	1.12	4.89	1.12	4.89	4.89	4.89	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.16	1.58	8.28	1.58	8.28	8.28	8.28	0.100	0.500	0.40	2.10	2.00	10.50	J
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.18	181.75	491.66	181.75	491.66	491.66	491.66	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.46	99	99	99	99	99	99	2.5
											2.5
											99
											99
											99

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.50	4.30
ND		ND		Y	0.00	0.00
		=		Y	20.91	27.40
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	4.56	17.73
ND		ND		Y	0.00	0.00
		=	E	Y	600.98	1134.66
		=		Y	6.08	13.97
ND		ND		Y	0.00	0.00
		=		Y	35.17	83.69
J		=		Y	1.19	2.94
J		=		Y	2.85	8.64
		=		Y	1.99	11.67
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

| | | |

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**52**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $(Raw\ Amt)\frac{1000}{(SV)}(CDF)$

4) Amount ug/m3 = $(amt(ppbv)\frac{MW}{24.42}$

n	Compound	IS Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB SA	42.1	0.429	131977	20.0	6159445	0.250	2.50	4.30
3	Dichlorodifluoromethane	PFB SA	120.9	0.986	0	20.0	6159445	0.000	0.00	0.00
4	Methanol	PFB SA	32.0	0.397	1021498	20.0	6159445	2.091	20.91	27.40
5	Chloromethane	PFB SA	50.5	0.699	0	20.0	6159445	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB SA	170.9	1.135	0	20.0	6159445	0.000	0.00	0.00
7	Vinyl chloride	PFB SA	62.5	0.617	0	20.0	6159445	0.000	0.00	0.00
8	1,3-Butadiene	PFB SA	54.1	0.326	0	20.0	6159445	0.000	0.00	0.00
9	Bromomethane	PFB SA	94.9	0.331	185816	20.0	6159445	0.456	4.56	17.73
10	Chloroethane	PFB SA	64.5	0.204	0	20.0	6159445	0.000	0.00	0.00
11	Ethanol	PFB SA	46.1	0.098	7283596	20.0	6159445	60.098	600.98	1134.66
12	Acrolein	PFB SA	56.1	0.121	90813	20.0	6159445	0.608	6.08	13.97
13	Trichlorofluoromethane	PFB SA	137.4	0.609	0	20.0	6159445	0.000	0.00	0.00
14	Acetone	PFB SA	58.1	0.202	875414	20.0	6159445	3.517	35.17	83.69
15	2-propanol (isopropylalcohol)	PFB SA	60.1	0.927	136499	20.0	6159445	0.119	1.19	2.94
16	t-Butyl alcohol	PFB SA	74.1	0.895	313937	20.0	6159445	0.285	2.85	8.64
17	Methyl Iodide	PFB SA	142.9	0.305	20942	20.0	6159445	0.199	1.99	11.67
18	1,1-Dichloroethene	PFB SA	96.9	0.932	0	20.0	6159445	0.000	0.00	0.00
19	Acrylonitrile	PFB SA	53.1	0.275	0	20.0	6159445	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB SA	187.4	0.449	0	20.0	6159445	0.000	0.00	0.00
21	Allyl chloride	PFB SA	76.5	0.055	0	20.0	6159445	0.000	0.00	0.00
22	Methylene chloride	PFB SA	84.9	0.302	0	20.0	6159445	0.000	0.00	0.00
23	Carbon disulfide	PFB SA	76.1	0.627	0	20.0	6159445	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB SA	96.9	0.392	0	20.0	6159445	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB SA	88.1	0.836	0	20.0	6159445	0.000	0.00	0.00
26	Propionitrile	PFB SA	55.1	0.260	0	20.0	6159445	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB SA	99.0	0.724	0	20.0	6159445	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB SA	102.2	0.977	0	20.0	6159445	0.000	0.00	0.00
29	Vinyl acetate	PFB SA	86.1	0.110	0	20.0	6159445	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB SA	72.1	0.190	126341	20.0	6159445	0.539	5.39	15.93
31	Diisopropyl ether	PFB SA	102.2	0.258	0	20.0	6159445	0.000	0.00	0.00
32	Hexane	PFB SA	86.2	1.065	289219	20.0	6159445	0.220	2.20	7.78
33	Methacrylonitrile	PFB SA	67.1	0.226	0	20.0	6159445	0.000	0.00	0.00
34	Ethyl acetate	PFB SA	88.1	0.127	0	20.0	6159445	0.000	0.00	0.00
35	Bromochloromethane	PFB SA	129.4	0.615	0	20.0	6159445	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6159445	0.000	0.00	0.00	
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6159445	0.000	0.00	0.00	
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6159445	0.000	0.00	0.00	
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6159445	0.000	0.00	0.00	
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6159445	0.000	0.00	0.00	
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6159445	0.000	0.00	0.00	
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9120932	0.000	0.00	0.00	
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9120932	0.000	0.00	0.00	
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9120932	0.000	0.00	0.00	
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9120932	0.000	0.00	0.00	
47	Benzene	14DFB	SA	78.1	0.984	365982	20.0	9120932	0.204	2.04	6.52	
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9120932	0.000	0.00	0.00	
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9120932	0.000	0.00	0.00	
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9120932	0.000	0.00	0.00	
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9120932	0.000	0.00	0.00	
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9120932	0.000	0.00	0.00	
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9120932	0.000	0.00	0.00	
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9120932	0.000	0.00	0.00	
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	148733	20.0	9120932	0.224	2.24	12.05	
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9120932	0.000	0.00	0.00	
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9120932	0.000	0.00	0.00	
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	90777	20.0	9120932	0.153	1.53	6.26	
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9120932	0.000	0.00	0.00	
61	Toluene	14DFB	SA	92.1	0.911	147021	20.0	9120932	0.088	0.88	3.34	
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9120932	0.000	0.00	0.00	
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9120932	0.000	0.00	0.00	
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9120932	0.000	0.00	0.00	
65	2-Hexanone	14DFB	SA	100.2	0.556	509578	20.0	9120932	0.502	5.02	20.60	
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9120932	0.000	0.00	0.00	
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9120932	0.000	0.00	0.00	
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9120932	0.000	0.00	0.00	
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9120932	0.000	0.00	0.00	
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	96464	20.0	9120932	0.128	1.28	8.69	
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9787127	0.000	0.00	0.00	
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9787127	0.000	0.00	0.00	
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9787127	0.000	0.00	0.00	
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	9787127	0.000	0.00	0.00	
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9787127	0.000	0.00	0.00	
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9787127	0.000	0.00	0.00	
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9787127	0.000	0.00	0.00	
79	o-Xylene	d5CB	SA	106.2	0.860	189256	20.0	9787127	0.112	1.12	4.89	
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9787127	0.000	0.00	0.00	
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9787127	0.000	0.00	0.00	
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9787127	0.000	0.00	0.00	
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9787127	0.000	0.00	0.00	
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9787127	0.000	0.00	0.00	
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9787127	0.000	0.00	0.00	
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9787127	0.000	0.00	0.00	
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9787127	0.000	0.00	0.00	
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9787127	0.000	0.00	0.00	
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9787127	0.000	0.00	0.00	
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9787127	0.000	0.00	0.00	

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9787127	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9787127	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	9787127	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9787127	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9787127	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9787127	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9787127	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9787127	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9787127	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	135898	20.0	9787127	0.158	1.58	8.28
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9787127	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9787127	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12236344	20.0	9787127.	18.175	181.75	491.66
1	Pentafluorobenzene		IS			6159445	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9120932	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9787127	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5058650	5.0		2.464	98.56	99

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description: T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
64-17-5	Ethanol	8.00	51.36	211.59	15.10	96.97	399.49	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	431.63	10.82	12.98	1,167.59	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 52

File Name: 2614452A.D
Description T-410
Canister: 709
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:09
Date Analyzed: 8/12/2026 **Time:** 18:50
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	28.00	60.00	68.00	114.67	245.73	278.49
1-DECANE, 3,4-DIMETHYL	28.00	60.00	81.60	114.67	245.73	334.19

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614452A.D			**SDG:**	226144		
Sample ID:	T-410			**EAS ID:**	52		
MiscInfo-Vol:	SCHMIDT	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	11:09
Anal Date:	12 Aug 126 6:50 pm	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	18:50
Run Method:	B1563_C.M	**SF:**	2	**QCbatch:**	081226-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**MDLSF:**	2	**Volume:**	25.0		
Instrument:	5970 - MS	**Type:**	SA	**Can (Vial) No:**	709		
Analyst:	SW	**Instrument:**	MA1	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**EDD SURR:**	PERCENT	**SamType:**	SA		
Temp	24.5	**UnitDil:**	1000	PPBV			
		MDL FAC	0.4	UG/M3			
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.682	1.69	42.00	273390
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.824	2.49	31.00	675630
74-87-3	Chloromethane	5	SA	0.329	2.03	50.00	214932
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.201	2.44	94.00	62196
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	5.290	3.39	46.00	486080
107-02-8	Acrolein	12	SA	0.317	3.75	56.00	35842
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.894	4.13	58.00	357321
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.161	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.397	4.03	84.00	111772
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.464	6.18	72.00	82430
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.275	4.33	57.00	273140
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.183	6.18	72.00	31980
78-83-1	Isobutyl alcohol	38	SA	5.000	6.76	74.00	222320

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	0
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.271	6.49	78.00	401324
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	0
108-88-3	Toluene	61	SA	0.204	8.92	91.00	280101
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.114	10.50	58.00	95207
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.133	10.94	106	212124
1330-20-7	m,p-Xylenes	75	SA	0.215	11.15	91.00	289850
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.086	11.77	91.00	119061
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.078	13.00	105.00	120420
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.109	13.71	105.00	183727
538-93-2	i-Butylbenzene	90	SA	0.098	13.89	91.00	255950
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.117	14.19	146.00	133099
99-87-6	Isopropyltoluene	93	SA	0.840	14.10	119.00	1736146
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.108	14.34	146.00	133099
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.045	15.01	146.00	63962
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.708	17.95	128.00	499045
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	10.791	1.86	51.00	5943867
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4670036**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7522134**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8007694**
2037-26-5	Toluene-d8	61	SURR	2.596	8.85	98.00	**4395917**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 52
File Name: 2614452A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 25.0 ml
Can/Tube Number: 709
Dilution Factor: 0.0250
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.0250
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<1.60

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.68	27.29	47.03	27.29	47.03	47.03	47.03	0.100	0.250	1.60	2.76	4.00	6.89	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	2.40	11.88	4.00	19.81	U
Methanol	32.0	1.82	72.96	95.62	72.96	95.62	95.62	95.62	0.500	0.600	8.00	10.48	9.60	12.58	
Chloromethane	50.5	0.33	13.17	27.25	13.17	27.25	27.25	27.25	0.150	0.250	2.40	4.96	4.00	8.27	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	11.20	4.00	28.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	2.06	4.00	10.24	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	1.78	4.00	8.86	U
Bromomethane	94.9	0.20	8.06	31.31	8.06	31.31	31.31	31.31	0.100	0.250	1.60	6.22	4.00	15.55	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.23	4.00	10.57	U
Ethanol	46.1	5.29	211.59	399.49	211.59	399.49	399.49	399.49	0.500	3.210	8.00	15.10	51.36	96.97	
Acrolein	56.1	0.32	12.66	29.09	12.66	29.09	29.09	29.09	0.100	0.300	1.60	3.68	4.80	11.03	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	9.00	4.00	22.51	U
Acetone	58.1	1.89	75.74	180.22	75.74	180.22	180.22	180.22	0.500	0.600	8.00	19.04	9.60	22.84	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	3.20	7.88	20.00	49.23	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	1.60	4.86	16.00	48.56	U
Methyl iodide	142.9	0.16	6.44	37.69	6.44	37.69	37.69	37.69	0.100	0.300	1.60	9.36	4.80	28.09	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.17	4.00	15.87	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	3.20	6.96	4.80	10.44	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	6.14	4.00	30.70	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.80	2.51	16.00	50.13	U
Methylene chloride	84.9	0.40	15.86	55.15	15.86	55.15	55.15	55.15	0.050	0.250	0.80	2.78	4.00	13.91	
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.99	4.00	12.47	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.80	3.17	3.20	12.70	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	1.60	5.77	3.20	11.55	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	4.00	9.03	6.40	14.44	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.24	4.00	16.22	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.70	4.00	16.74	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.80	2.82	16.00	56.42	U
2-Butanone (MEK)	72.1	0.46	18.56	54.82	18.56	54.82	54.82	54.82	0.100	0.300	1.60	4.72	4.80	14.17	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	1.60	6.70	9.60	40.18	U
Hexane	86.2	0.27	10.98	38.77	10.98	38.77	38.77	38.77	0.100	0.250	1.60	5.65	4.00	14.12	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.40	4.00	10.99	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	5.77	4.00	14.43	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.24	4.00	21.20	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	5.64	8.00	28.21	U
Tetrahydrofuran	72.1	0.18	7.30	21.56	7.30	21.56	21.56	21.56	0.050	0.300	0.80	2.38	4.80	14.17	
Isobutyl alcohol	74.1	5.00	199.99	606.93	199.99	606.93	606.93	606.93	0.200	0.800	3.20	9.71	12.80	38.84	
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.17	4.00	15.87	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.70	4.00	18.51	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.92	4.00	19.56	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.37	4.00	21.85	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.24	4.00	16.22	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	2.76	4.00	13.79	U
Benzene	78.1	0.27	10.85	34.70	10.85	34.70	34.70	34.70	0.350	0.500	5.60	17.91	8.00	25.59	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.04	4.00	25.20	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	6.70	8.00	33.48	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.74	4.00	18.71	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.57	4.00	16.41	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.70	4.00	18.51	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	5.77	8.00	28.87	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.70	4.00	28.48	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.40	2.15	4.00	21.53	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.37	4.00	26.83	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.56	4.00	16.40	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	1.60	6.57	12.80	52.53	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
Toluene	92.1	0.20	8.17	30.82	8.17	30.82	30.82	30.82	0.200	0.250	3.20	12.07	4.00	15.09	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.37	4.00	21.85	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.48	4.00	18.71	U
2-Hexanone	100.2	0.11	4.55	18.67	4.55	18.67	18.67	18.67	0.100	0.800	1.60	6.57	12.80	52.53	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.80	3.70	11.20	51.83	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.48	4.00	18.71	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	13.65	4.00	34.12	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	12.31	4.00	30.78	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.40	2.72	4.00	27.16	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.38	4.00	18.45	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	11.00	4.00	27.49	U
Ethylbenzene	106.2	0.13	5.33	23.18	5.33	23.18	23.18	23.18	0.100	0.250	1.60	6.96	4.00	17.40	
m,p-Xylenes	106.2	0.22	8.60	37.41	8.60	37.41	37.41	37.41	0.100	0.250	1.60	6.96	4.00	17.40	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	8.41	4.00	21.02	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	2.40	10.24	4.00	17.07	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	16.56	4.00	41.40	U
o-Xylene	106.2	0.09	3.46	15.04	3.46	15.04	15.04	15.04	0.100	0.250	1.60	6.96	4.00	17.40	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	3.20	21.99	8.00	54.98	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	19.32	9.60	57.95	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	16.38	9.60	49.15	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	15.75	11.20	55.14	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	15.75	11.20	55.14	U
4-Ethyltoluene	120.2	0.08	3.14	15.46	ND	ND	0		0.200	1.600	3.20	15.75	25.60	126.02	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	3.20	15.75	14.40	70.89	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	18.65	9.60	55.95	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
1,2,4-Trimethylbenzene	120.2	0.11	4.34	21.39	4.34	21.39	21.39	21.39	0.200	0.900	3.20	15.75	14.40	70.89	J
i-Butylbenzene	134.2	0.10	3.93	21.62	3.93	21.62	21.62	21.62	0.200	0.600	3.20	17.59	9.60	52.76	J
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	17.59	11.20	61.56	U
1,3-Dichlorobenzene	147.0	0.12	4.67	28.11	4.67	28.11	28.11	28.11	0.200	0.800	3.20	19.27	12.80	77.06	J
Isopropyltoluene	134.2	0.84	33.60	184.70	33.60	184.70	184.70	184.70	0.200	0.600	3.20	17.59	9.60	52.76	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	3.20	16.59	8.00	41.48	U
1,4-Dichlorobenzene	147.0	0.11	4.33	26.06	4.33	26.06	26.06	26.06	0.200	0.500	3.20	19.27	8.00	48.16	J
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
1,2-Dichlorobenzene	147.0	0.05	1.80	10.85	ND	ND	0		0.200	0.700	3.20	19.27	11.20	67.43	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	4.80	46.45	11.20	108.39	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	4.80	35.66	8.00	59.43	U
Naphthalene	128.2	0.71	28.32	148.69	28.32	148.69	148.69	148.69	0.100	0.500	1.60	8.40	8.00	42.00	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	4.80	35.66	8.00	59.43	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	4.00	42.72	4.80	51.27	U
1,1-Difluoroethane	66.1	10.79	431.63	1167.59	431.63	1,167.59	1167.59	1,167.59	0.250	0.300	4.00	10.82	4.80	12.98	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.60	104	104	104	104	104	104	104	104	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	27.29	47.03
ND		ND		Y	0.00	0.00
		=		Y	72.96	95.62
		=		Y	13.17	27.25
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	8.06	31.31
ND		ND		Y	0.00	0.00
		=		Y	211.59	399.49
		=		Y	12.66	29.09
ND		ND		Y	0.00	0.00
		=		Y	75.74	180.22
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	6.44	37.69
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	15.86	55.15
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	18.56	54.82
ND	ND	Y	0.00	0.00
	=	Y	10.98	38.77
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	7.30	21.56
	=	Y	199.99	606.93
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	10.85	34.70
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.17	30.82
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	4.55	18.67

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	5.33	23.18
	=	Y	8.60	37.41
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	3.46	15.04
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	4.34	21.39
J	=	Y	3.93	21.62
ND	ND	Y	0.00	0.00
J	=	Y	4.67	28.11
	=	Y	33.60	184.70
ND	ND	Y	0.00	0.00
J	=	Y	4.33	26.06
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	28.32	148.69
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	431.63	1167.59
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**52**
Standard Volume	STV	10.0 ml
Sample Volume	SV	25 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

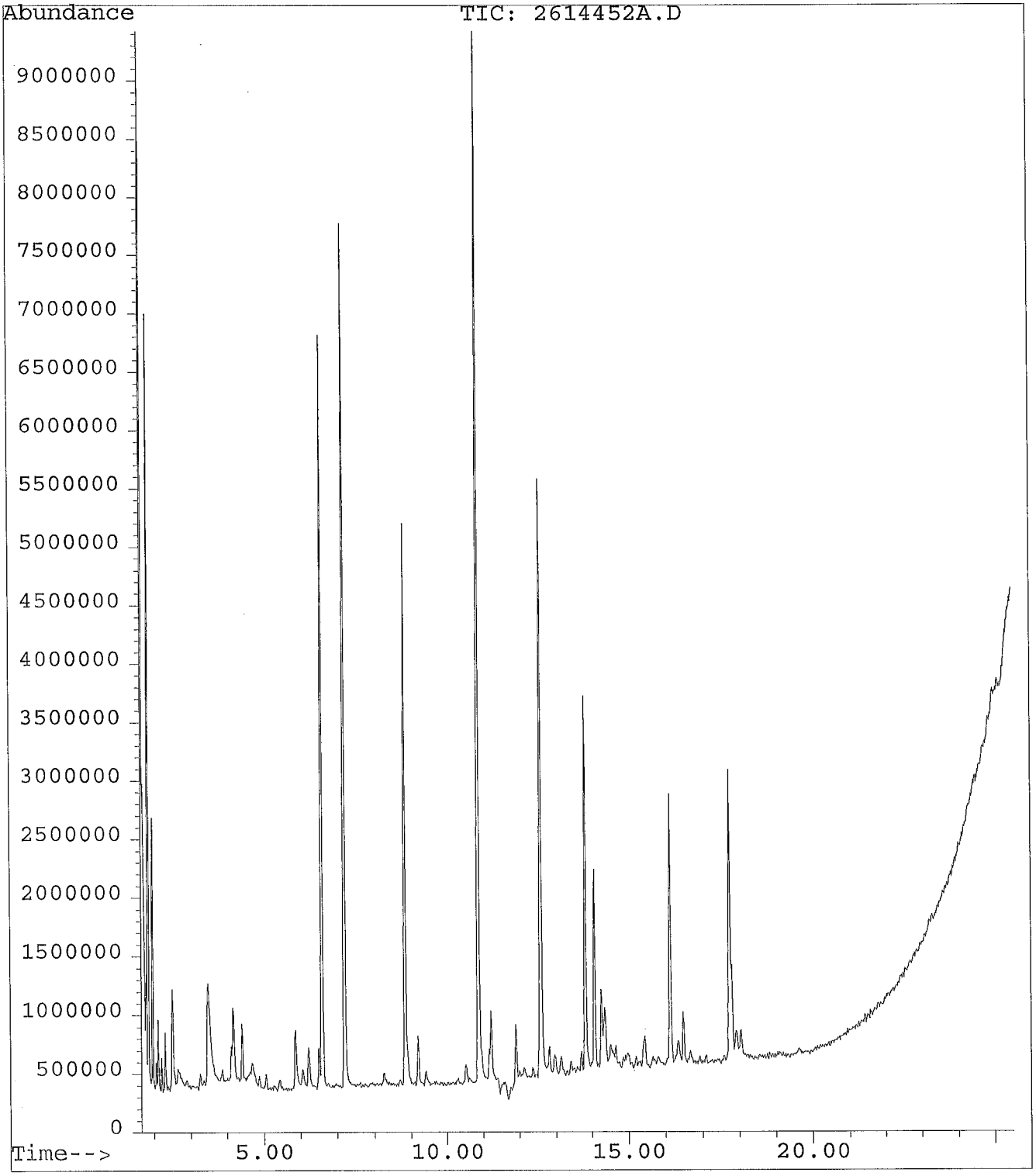
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	273390	20.0	4670036	0.682	27.29	47.03
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4670036	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	675630	20.0	4670036	1.824	72.96	95.62
5	Chloromethane	PFB	SA	50.5	0.699	214932	20.0	4670036	0.329	13.17	27.25
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4670036	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4670036	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4670036	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	62196	20.0	4670036	0.201	8.06	31.31
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4670036	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	486080	20.0	4670036	5.290	211.59	399.49
12	Acrolein	PFB	SA	56.1	0.121	35842	20.0	4670036	0.317	12.66	29.09
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4670036	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	357321	20.0	4670036	1.894	75.74	180.22
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4670036	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4670036	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4670036	0.161	6.44	37.69
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4670036	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4670036	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4670036	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4670036	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	111772	20.0	4670036	0.397	15.86	55.15
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4670036	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4670036	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4670036	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4670036	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4670036	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4670036	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4670036	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	82430	20.0	4670036	0.464	18.56	54.82
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4670036	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	273140	20.0	4670036	0.275	10.98	38.77
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4670036	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4670036	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4670036	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4670036	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	31980	20.0	4670036	0.183	7.30	21.56
38	Isobutyl alcohol	PFB	SA	74.1	0.048	222320	20.0	4670036	5.000	199.99	606.93
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4670036	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4670036	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4670036	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7522134	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7522134	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7522134	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7522134	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	401324	20.0	7522134	0.271	10.85	34.70
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7522134	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7522134	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7522134	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7522134	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7522134	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7522134	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7522134	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7522134	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7522134	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7522134	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7522134	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7522134	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	280101	20.0	7522134	0.204	8.17	30.82
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7522134	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7522134	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7522134	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	95207	20.0	7522134	0.114	4.55	18.67
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7522134	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7522134	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7522134	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7522134	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7522134	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8007694	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8007694	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	212124	20.0	8007694	0.133	5.33	23.18
75	m,p-Xylenes	d5CB	SA	106.2	0.842	289850	20.0	8007694	0.215	8.60	37.41
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8007694	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8007694	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8007694	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	119061	20.0	8007694	0.086	3.46	15.04
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8007694	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8007694	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8007694	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8007694	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8007694	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	120420	20.0	8007694	0.078	3.14	15.46
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8007694	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8007694	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8007694	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	183727	20.0	8007694	0.109	4.34	21.39
90	i-Butylbenzene	d5CB	SA	134.2	1.625	255950	20.0	8007694	0.098	3.93	21.62

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8007694	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	133099	20.0	8007694	0.117	4.67	28.11
93	Isopropyltoluene	d5CB	SA	134.2	1.290	1736146	20.0	8007694	0.840	33.60	184.70
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8007694	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	133099	20.0	8007694	0.108	4.33	26.06
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8007694	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	63962	20.0	8007694	0.045	1.80	10.85
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8007694	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8007694	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	499045	20.0	8007694	0.708	28.32	148.69
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8007694	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8007694	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	5943867	20.0	8007694	10.791	431.63	1167.59
1	Pentafluorobenzene		IS			4670036	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7522134	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8007694	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4395917	5.0		2.596	103.85	104

File : C:\MSCHEM\1\DATA\08126B_3\2614452A.D
Operator : SW
Acquired : 12 Aug 126 6:50 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-410
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 53

Client ID T-411

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description: T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.87	0.69	1.72	4.94	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	14.84	2.62	3.15	19.45	
74-87-3	Chloromethane	0.60	1.00	2.54	1.24	2.07	5.26	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	2.48	1.55	3.89	9.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
107-02-8	Acrolein	0.40	1.20	6.17	0.92	2.76	14.18	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	142.12	4.76	5.71	338.18	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	14.13	1.97	12.31	34.77	
75-65-0	t-Butyl alcohol	0.40	4.00	3.44	1.21	12.14	10.45	J
4227-95-6	Methyl iodide	0.40	1.20	1.84	2.34	7.02	10.77	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	91.38	1.18	3.54	269.83	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.99	1.41	3.53	10.55	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
67-66-3	Chloroform	0.20	1.00	1.77	0.98	4.89	8.65	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.81	4.48	6.40	5.78	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	67.38	0.54	5.38	362.62	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	3.64	1.64	13.13	14.94	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	37.86	1.64	13.13	155.37	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	145.00	2.71	3.25	392.23	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 19:29
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE	7.00	15.00	79.80	28.67	61.43	326.82
2-OCTANONE	7.00	15.00	41.90	28.67	61.43	171.60

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614453A.D			**SDG:**	226144		
Sample ID:	T-411	**Method:**	TO-15	**EAS ID:**	53		
MiscInfo-Vol:	SCHMIDT	**Matrix:**	AA	**Date Sampled:**	7/23/2026	**Time:**	11:07
Anal Date:	10 Aug 126 7:29 pm	**Detect:**	ND	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**SF:**	2	**Date Analyzed:**	8/10/2026	**Time:**	19:29
Run Method:	B1563_C.M	**MDLSF:**	2	**QCbatch:**	081026-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**Type:**	SA	**Volume:**	100.0		
Instrument:	5970 - MS	**Instrument:**	MA1	**Can (Vial) No:**	750		
Analyst:	SW	**EDD SURR:**	PERCENT	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**UnitDil:**	1000 PPBV	**SamType:**	SA		
Temp	24.5	**MDL FAC**	0.4 UG/M3				
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.287	1.69	42.00	179752
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.484	2.49	31.00	860338
74-87-3	Chloromethane	5	SA	0.254	2.03	50.00	259935
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.248	2.44	94.00	120087
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	33.212	3.39	46.00	4777195
107-02-8	Acrolein	12	SA	0.617	3.75	56.00	109427
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	14.212	4.13	58.00	4198267
67-63-0	2-propanol (isopropylalcohc	15	SA	1.413	3.99	45.00	1915500
75-65-0	t-Butyl alcohol	16	SA	0.344	4.50	59.00	450818
4227-95-6	Methyl iodide	17	SA	0.184	3.51	142.00	14907
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	9.138	6.18	72.00	2540485
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.299	4.33	57.00	465166
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.177	5.83	83.00	**153037**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.181	6.49	78.00	359220
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	6.738	6.49	130.00	4956888
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.364	9.40	58.00	239839
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	3.786	10.50	58.00	4256809
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.500	1.88	51.00	11782319
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7310266**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10104594**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11812937**
2037-26-5	Toluene-d8	61	SURR	2.516	8.85	98.00	**5721914**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 53
File Name: 2614453A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 750
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.29	2.87	4.94	2.87	4.94	4.94	4.94	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.48	14.84	19.45	14.84	19.45	19.45	19.45	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.25	2.54	5.26	2.54	5.26	5.26	5.26	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.25	2.48	9.65	2.48	9.65	9.65	9.65	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	33.21	332.12	627.05	332.12	627.05	627.05	627.05	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.62	6.17	14.18	6.17	14.18	14.18	14.18	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	14.21	142.12	338.18	142.12	338.18	338.18	338.18	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	1.41	14.13	34.77	14.13	34.77	34.77	34.77	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	0.34	3.44	10.45	3.44	10.45	10.45	10.45	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.18	1.84	10.77	1.84	10.77	10.77	10.77	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	9.14	91.38	269.83	91.38	269.83	269.83	269.83	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.30	2.99	10.55	2.99	10.55	10.55	10.55	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.18	1.77	8.65	1.77	8.65	8.65	8.65	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.18	1.81	5.78	1.81	5.78	5.78	5.78	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	6.74	67.38	362.62	67.38	362.62	362.62	362.62	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.36	3.64	14.94	3.64	14.94	14.94	14.94	0.100	0.800	0.40	1.64	3.20	13.13	
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	3.79	37.86	155.37	37.86	155.37	155.37	155.37	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.50	145.00	392.23	145.00	392.23	392.23	392.23	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.52	101	101	101	101	101	101	101	101	2.5	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.87	4.94
ND		ND		Y	0.00	0.00
		=		Y	14.84	19.45
		=		Y	2.54	5.26
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.48	9.65
ND		ND		Y	0.00	0.00
		=	E	Y	332.12	627.05
		=		Y	6.17	14.18
ND		ND		Y	0.00	0.00
		=		Y	142.12	338.18
		=		Y	14.13	34.77
J		=		Y	3.44	10.45
		=		Y	1.84	10.77
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**53**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	179752	20.0	7310266	0.287	2.87	4.94
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	7310266	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	860338	20.0	7310266	1.484	14.84	19.45
5	Chloromethane	PFB	SA	50.5	0.699	259935	20.0	7310266	0.254	2.54	5.26
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7310266	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7310266	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7310266	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	120087	20.0	7310266	0.248	2.48	9.65
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7310266	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	4777195	20.0	7310266	33.212	332.12	627.05
12	Acrolein	PFB	SA	56.1	0.121	109427	20.0	7310266	0.617	6.17	14.18
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7310266	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	4198267	20.0	7310266	14.212	142.12	338.18
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	1915500	20.0	7310266	1.413	14.13	34.77
16	t-Butyl alcohol	PFB	SA	74.1	0.895	450818	20.0	7310266	0.344	3.44	10.45
17	Methyl iodide	PFB	SA	142.9	0.305	14907	20.0	7310266	0.184	1.84	10.77
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7310266	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7310266	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7310266	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7310266	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7310266	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7310266	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7310266	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7310266	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7310266	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7310266	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7310266	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7310266	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	2540485	20.0	7310266	9.138	91.38	269.83
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7310266	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	465166	20.0	7310266	0.299	2.99	10.55
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7310266	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7310266	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7310266	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7310266	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7310266	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7310266	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7310266	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7310266	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	153037	20.0	7310266	0.177	1.77	8.65
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10104594	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10104594	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10104594	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10104594	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	359220	20.0	10104594	0.181	1.81	5.78
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10104594	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10104594	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10104594	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10104594	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10104594	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10104594	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10104594	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	4956888	20.0	10104594	6.738	67.38	362.62
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10104594	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10104594	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	239839	20.0	10104594	0.364	3.64	14.94
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10104594	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10104594	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10104594	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10104594	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10104594	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	4256809	20.0	10104594	3.786	37.86	155.37
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10104594	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10104594	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10104594	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10104594	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10104594	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11812937	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11812937	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	11812937	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	11812937	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	11812937	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	11812937	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11812937	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	11812937	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11812937	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11812937	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11812937	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	11812937	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	11812937	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	11812937	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	11812937	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	11812937	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11812937	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	11812937	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	11812937	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	11812937	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11812937	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	11812937	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11812937	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11812937	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	11812937	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11812937	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11812937	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	11812937	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	11812937	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	11812937	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11812937	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11782319	20.0	11812937	14.500	145.00	392.23
1	Pentafluorobenzene		IS			7310266	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10104594	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11812937	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5721914	5.0		2.516	100.63	101

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 53

File Name:	2614453A.D	**Date Sampled:**	7/23/2026	**Time:**	11:07
Description:	T-411	**Date Analyzed:**	8/12/2026	**Time:**	19:27
Canister:	750	**Can Dilution Factor:**	1.00		
QC_Batch:	081226-MA1	**Air Volume:**	25 ml		

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
64-17-5	Ethanol	8.00	51.36	181.85	15.10	96.97	343.34	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/12/2026 **Time:** 19:27
Can Dilution Factor: 1.00
Air Volume: 25 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	4.00	4.80	532.35	10.82	12.98	1,440.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 53

File Name: 2614453A.D
Description T-411
Canister: 750
QC_Batch: 081226-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/12/2026 **Time:** 19:27
Can Dilution Factor: 1.00
Air Volume: 25.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE	28.00	60.00	319.20	114.67	245.73	1,307.28
2-OCTANONE	28.00	60.00	167.60	114.67	245.73	686.41

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	53		
File Name:	2614453A.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	11:07
Sample ID:	T-411	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	19:27
Anal Date:	12 Aug 126 7:27 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	25.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	750		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.574	1.69	42.00	165393
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.283	2.03	50.00	133080
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.197	2.44	94.00	43739
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	4.546	3.39	46.00	300594
107-02-8	Acrolein	12	SA	0.649	3.75	56.00	52848
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	9.904	4.13	58.00	1344880
67-63-0	2-propanol (isopropylalcohc	15	SA	0.571	3.99	45.00	355956
75-65-0	t-Butyl alcohol	16	SA	0.255	4.50	59.00	153217
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.315	4.03	84.00	63831
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	5.882	6.18	72.00	751682
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	4.723	6.76	74.00	151117

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.127	5.83	83.00	**50479**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.323	6.49	78.00	345018
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	3.303	6.49	130.00	1307448
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.126	8.92	91.00	125265
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	1.872	10.50	58.00	1132426
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.065	10.94	106	80720
1330-20-7	m,p-Xylenes	75	SA	0.101	11.15	91.00	107268
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.047	11.77	91.00	51077
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.272	14.10	119.00	441114
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.549	17.95	128.00	303977
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.309	1.88	51.00	5754503
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3360343**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**5437030**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**6285816**
2037-26-5	Toluene-d8	61	SURR	2.627	8.85	98.00	**3214509**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 53
File Name: 2614453A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 25.0 ml
Can/Tube Number: 750
Dilution Factor: 0.0250
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.0250
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<1.60

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.57	22.94	39.54	22.94	39.54	39.54	39.54	0.100	0.250	1.60	2.76	4.00	6.89	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	2.40	11.88	4.00	19.81	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	8.00	10.48	9.60	12.58	U
Chloromethane	50.5	0.28	11.34	23.45	11.34	23.45	23.45	23.45	0.150	0.250	2.40	4.96	4.00	8.27	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	11.20	4.00	28.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	2.06	4.00	10.24	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	1.78	4.00	8.86	U
Bromomethane	94.9	0.20	7.87	30.60	7.87	30.60	30.60	30.60	0.100	0.250	1.60	6.22	4.00	15.55	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.23	4.00	10.57	U
Ethanol	46.1	4.55	181.85	343.34	181.85	343.34	343.34	343.34	0.500	3.210	8.00	15.10	51.36	96.97	
Acrolein	56.1	0.65	25.94	59.60	25.94	59.60	59.60	59.60	0.100	0.300	1.60	3.68	4.80	11.03	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	9.00	4.00	22.51	U
Acetone	58.1	9.90	396.18	942.70	396.18	942.70	942.70	942.70	0.500	0.600	8.00	19.04	9.60	22.84	
2-propanol (isopropylalcohol)	60.1	0.57	22.84	56.23	22.84	56.23	56.23	56.23	0.200	1.250	3.20	7.88	20.00	49.23	
t-Butyl alcohol	74.1	0.25	10.19	30.91	10.19	30.91	30.91	30.91	0.100	1.000	1.60	4.86	16.00	48.56	J
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	1.60	9.36	4.80	28.09	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.17	4.00	15.87	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	3.20	6.96	4.80	10.44	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	6.14	4.00	30.70	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.80	2.51	16.00	50.13	U
Methylene chloride	84.9	0.31	12.59	43.77	12.59	43.77	43.77	43.77	0.050	0.250	0.80	2.78	4.00	13.91	
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.99	4.00	12.47	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.80	3.17	3.20	12.70	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	1.60	5.77	3.20	11.55	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	4.00	9.03	6.40	14.44	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.24	4.00	16.22	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.70	4.00	16.74	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.80	2.82	16.00	56.42	U
2-Butanone (MEK)	72.1	5.88	235.28	694.74	235.28	694.74	694.74	694.74	0.100	0.300	1.60	4.72	4.80	14.17	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	1.60	6.70	9.60	40.18	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	5.65	4.00	14.12	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	4.40	4.00	10.99	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	5.77	4.00	14.43	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.24	4.00	21.20	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	5.64	8.00	28.21	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.80	2.38	4.80	14.17	U
Isobutyl alcohol	74.1	4.72	188.92	573.33	188.92	573.33	573.33	573.33	0.200	0.800	3.20	9.71	12.80	38.84	
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.17	4.00	15.87	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.70	4.00	18.51	U
Chloroform	119.4	0.13	5.08	24.82	5.08	24.82	24.82	24.82	0.050	0.250	0.80	3.92	4.00	19.56	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.37	4.00	21.85	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.24	4.00	16.22	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	2.76	4.00	13.79	U
Benzene	78.1	0.32	12.90	41.27	12.90	41.27	41.27	41.27	0.350	0.500	5.60	17.91	8.00	25.59	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.04	4.00	25.20	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	6.70	8.00	33.48	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.74	4.00	18.71	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.57	4.00	16.41	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.70	4.00	18.51	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	1.60	5.77	8.00	28.87	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.70	4.00	28.48	U
Trichloroethene (TCE)	131.4	3.30	132.13	711.03	132.13	711.03	711.03	711.03	0.025	0.250	0.40	2.15	4.00	21.53	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	5.37	4.00	26.83	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	6.56	4.00	16.40	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	1.60	6.57	12.80	52.53	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
Toluene	92.1	0.13	5.06	19.07	5.06	19.07	19.07	19.07	0.200	0.250	3.20	12.07	4.00	15.09	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	3.64	4.00	18.18	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.80	4.37	4.00	21.85	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.48	4.00	18.71	U
2-Hexanone	100.2	1.87	74.87	307.26	74.87	307.26	307.26	307.26	0.100	0.800	1.60	6.57	12.80	52.53	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.80	3.70	11.20	51.83	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.48	4.00	18.71	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	13.65	4.00	34.12	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	12.31	4.00	30.78	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.40	2.72	4.00	27.16	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	7.38	4.00	18.45	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	11.00	4.00	27.49	U
Ethylbenzene	106.2	0.06	2.58	11.24	2.58	11.24	11.24	11.24	0.100	0.250	1.60	6.96	4.00	17.40	J
m,p-Xylenes	106.2	0.10	4.06	17.64	4.06	17.64	17.64	17.64	0.100	0.250	1.60	6.96	4.00	17.40	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	8.41	4.00	21.02	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	2.40	10.24	4.00	17.07	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	1.60	16.56	4.00	41.40	U
o-Xylene	106.2	0.05	1.89	8.22	1.89	8.22	8.22	8.22	0.100	0.250	1.60	6.96	4.00	17.40	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	3.20	21.99	8.00	54.98	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	19.32	9.60	57.95	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	16.38	9.60	49.15	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	15.75	11.20	55.14	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	15.75	11.20	55.14	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	3.20	15.75	25.60	126.02	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	3.20	15.75	14.40	70.89	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	18.65	9.60	55.95	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	3.20	15.75	14.40	70.89	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	17.59	11.20	61.56	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	3.20	19.27	12.80	77.06	U
Isopropyltoluene	134.2	0.27	10.88	59.78	10.88	59.78	59.78	59.78	0.200	0.600	3.20	17.59	9.60	52.76	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	3.20	16.59	8.00	41.48	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	3.20	19.27	8.00	48.16	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	3.20	17.59	9.60	52.76	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	3.20	19.27	11.20	67.43	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	4.80	46.45	11.20	108.39	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	4.80	35.66	8.00	59.43	U
Naphthalene	128.2	0.55	21.97	115.38	21.97	115.38	115.38	115.38	0.100	0.500	1.60	8.40	8.00	42.00	
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	4.80	35.66	8.00	59.43	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	4.00	42.72	4.80	51.27	U
1,1-Difluoroethane	66.1	13.31	532.35	1440.04	532.35	1,440.04	1440.04	1,440.04	0.250	0.300	4.00	10.82	4.80	12.98	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.63	105	105	105	105	105	105	105	105	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	22.94	39.54
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	11.34	23.45
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	7.87	30.60
ND		ND		Y	0.00	0.00
		=		Y	181.85	343.34
		=		Y	25.94	59.60
ND		ND		Y	0.00	0.00
		=		Y	396.18	942.70
		=		Y	22.84	56.23
J		=		Y	10.19	30.91
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	12.59	43.77
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	235.28	694.74	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	188.92	573.33	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	5.08	24.82	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	12.90	41.27	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	132.13	711.03	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	5.06	19.07	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
	=	Y	74.87	307.26	

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	2.58	11.24
	=	Y	4.06	17.64
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.89	8.22
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	10.88	59.78
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	21.97	115.38
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	532.35	1440.04
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**53**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	25	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) (Cistdi) / (Cstdni) (Aistdi) Note: 1 i

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

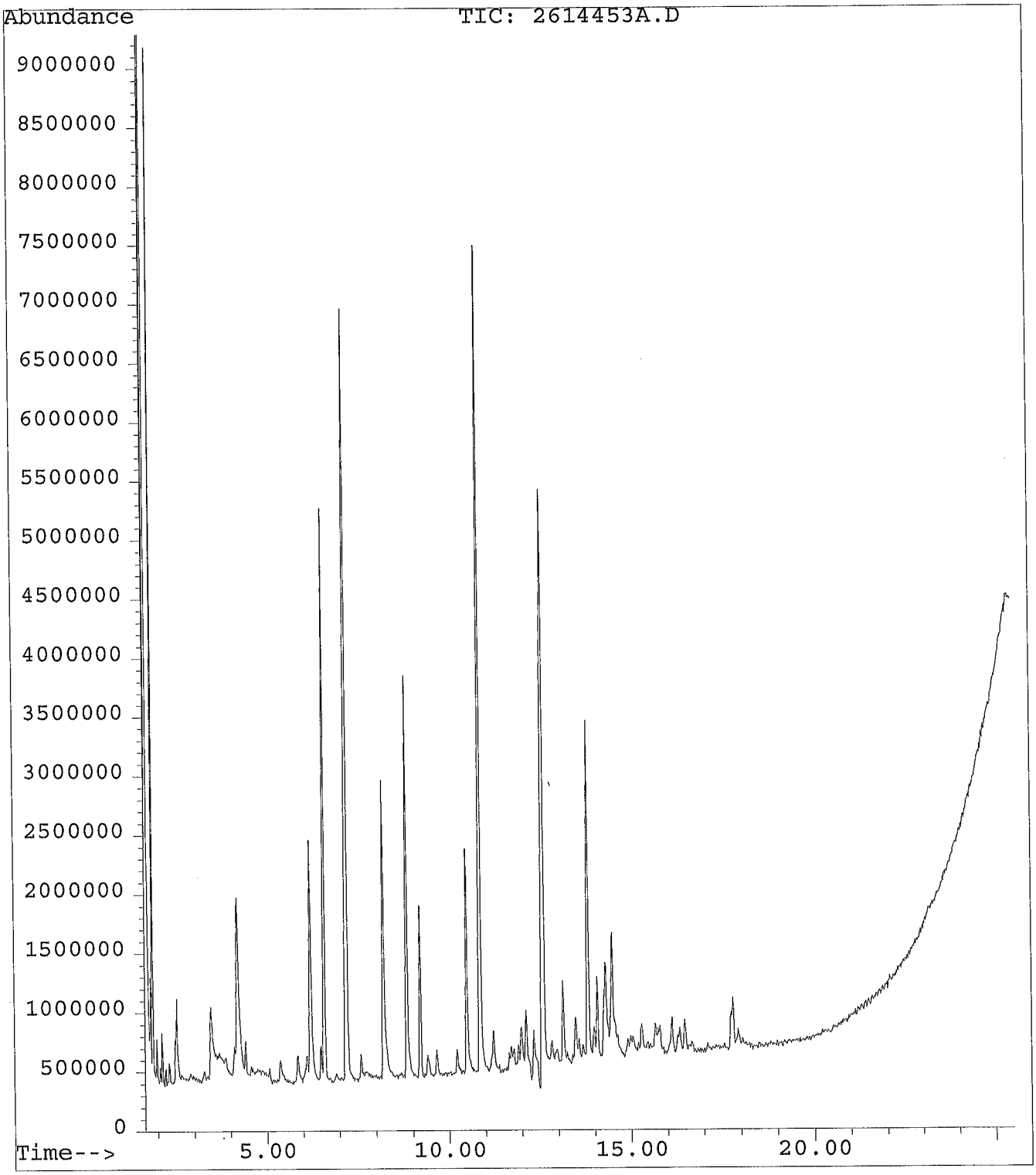
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	165393	20.0	3360343	0.574	22.94	39.54
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	3360343	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	3360343	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	133080	20.0	3360343	0.283	11.34	23.45
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	3360343	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	3360343	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	3360343	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	43739	20.0	3360343	0.197	7.87	30.60
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	3360343	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	300594	20.0	3360343	4.546	181.85	343.34
12	Acrolein	PFB	SA	56.1	0.121	52848	20.0	3360343	0.649	25.94	59.60
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	3360343	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	1344880	20.0	3360343	9.904	396.18	942.70
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	355956	20.0	3360343	0.571	22.84	56.23
16	t-Butyl alcohol	PFB	SA	74.1	0.895	153217	20.0	3360343	0.255	10.19	30.91
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	3360343	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	3360343	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	3360343	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	3360343	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	3360343	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	63831	20.0	3360343	0.315	12.59	43.77
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	3360343	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	3360343	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	3360343	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	3360343	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	3360343	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	3360343	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	3360343	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	751682	20.0	3360343	5.882	235.28	694.74
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	3360343	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	3360343	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	3360343	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	3360343	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	3360343	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	3360343	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	3360343	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	151117	20.0	3360343	4.723	188.92	573.33
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	3360343	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	3360343	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	50479	20.0	3360343	0.127	5.08	24.82
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	5437030	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	5437030	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	5437030	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	5437030	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	345018	20.0	5437030	0.323	12.90	41.27
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	5437030	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	5437030	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	5437030	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	5437030	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	5437030	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	5437030	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	5437030	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	1307448	20.0	5437030	3.303	132.13	711.03
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	5437030	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	5437030	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	5437030	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	5437030	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	125265	20.0	5437030	0.126	5.06	19.07
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	5437030	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	5437030	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	5437030	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	1132426	20.0	5437030	1.872	74.87	307.26
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	5437030	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	5437030	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	5437030	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	5437030	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	5437030	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	6285816	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	6285816	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	80720	20.0	6285816	0.065	2.58	11.24
75	m,p-Xylenes	d5CB	SA	106.2	0.842	107268	20.0	6285816	0.101	4.06	17.64
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	6285816	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	6285816	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	6285816	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	51077	20.0	6285816	0.047	1.89	8.22
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	6285816	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	6285816	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	6285816	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	6285816	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	6285816	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	6285816	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	6285816	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	6285816	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	6285816	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	6285816	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	6285816	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	6285816	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	6285816	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	441114	20.0	6285816	0.272	10.88	59.78
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	6285816	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	6285816	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	6285816	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	6285816	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	6285816	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	6285816	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	303977	20.0	6285816	0.549	21.97	115.38
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	6285816	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	6285816	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	5754503	20.0	6285816	13.309	532.35	1440.04
1	Pentafluorobenzene		IS			3360343	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			5437030	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			6285816	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3214509	5.0		2.627	105.06	105

File : C:\MSCHEM\1\DATA\08126B_3\2614453A.D
Operator : SW
Acquired : 12 Aug 126 7:27 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-411
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 54

Client ID T-412

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description: T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	41.14	2.62	3.15	53.91	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.20	1.55	3.89	16.34	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	111.28	3.78	24.24	210.10	
107-02-8	Acrolein	0.40	1.20	130.35	0.92	2.76	299.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.45	2.34	7.02	14.35	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	2.25	0.79	3.17	8.92	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	60.85	1.41	3.53	214.81	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	14.20	1.44	3.61	51.25	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	32.08	0.79	3.97	127.29	
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
107-06-2	1,2-Dichloroethane	0.20	1.00	30.40	0.81	4.05	123.27	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	205.45	0.69	3.45	708.47	
71-43-2	Benzene	1.40	2.00	94.43	4.48	6.40	302.05	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	23.41	0.54	5.38	125.96	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	145.75	3.02	3.77	549.76	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	69.08	1.87	4.68	323.09	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	24.58	0.68	6.79	166.89	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	105.08	1.74	4.35	457.02	
1330-20-7	m,p-Xylenes	0.40	1.00	122.77	1.74	4.35	533.99	
111-84-2	Nonane	0.40	1.00	31.72	2.10	5.25	166.66	
100-42-5	Styrene	0.60	1.00	3.20	2.56	4.27	13.65	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	41.74	1.74	4.35	181.56	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	10.99	3.94	13.78	54.08	
622-96-8	4-Ethyltoluene	0.80	6.40	12.37	3.94	31.51	60.90	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	5.65	3.94	17.72	27.79	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.96	3.94	17.72	24.41	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	17.63	4.40	13.19	96.89	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	107	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	215.05	2.71	3.25	581.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/10/2026 **Time:** 20:05
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
CYCLOBUTANE	7.00	15.00	42.70	28.67	61.43	174.88
BUTANE, 2-METHYL-	7.00	15.00	137.60	28.67	61.43	563.54
1-BUTENE, 2-METHYL-	7.00	15.00	74.80	28.67	61.43	306.34
PETNANE, 2,3-DIMETHYL-	7.00	15.00	69.50	28.67	61.43	284.64
CYCLOHEXANE, 1,4-DIMETHYL-	7.00	15.00	39.60	28.67	61.43	162.18
CYCLOHEXANE, ETHYL-	7.00	15.00	48.60	28.67	61.43	199.04
CYCLOHEXANE, 1,1,3-TRIMETHYL	7.00	15.00	55.20	28.67	61.43	226.07
CYCLOHEXANE, 1,3,5-TRIMETHYL-	7.00	15.00	41.60	28.67	61.43	170.37
.ALPHA.-PINENE	7.00	15.00	79.30	28.67	61.43	324.77
CAMPHENE	7.00	15.00	49.60	28.67	61.43	203.14

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614454A.D			**SDG:**	226144		
Sample ID:	T-412			**EAS ID:**	54		
MiscInfo-Vol:	SCHMIDT	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	11:07
Anal Date:	10 Aug 126 8:05 pm	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	20:05
Run Method:	B1563_C.M	**SF:**	2	**QCbatch:**	081026-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**MDLSF:**	2	**Volume:**	100.0		
Instrument:	5970 - MS	**Type:**	SA	**Can (Vial) No:**	503		
Analyst:	SW	**Instrument:**	MA1	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**EDD SURR:**	PERCENT	**SamType:**	SA		
Temp	24.5	**UnitDil:**	1000	PPBV			
		MDL FAC	0.4	UG/M3			
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	30.521	1.69	42.00	15439951
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	906702
67-56-1	Methanol	4	SA	4.114	2.49	31.00	1923410
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.420	2.44	94.00	163847
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	11.128	3.39	46.00	1290790
107-02-8	Acrolein	12	SA	13.035	3.75	56.00	1863291
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	109.470	4.13	58.00	26076188
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.245	3.51	142.00	43792
75-35-4	1,1-Dichloroethene	18	SA	-2.467	3.36	61.00	82548
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.225	4.28	96.00	103877
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	39.492	6.18	72.00	8853695
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	6.085	4.33	57.00	7640894
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	1.420	6.71	61.00	212458
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	3.208	5.54	96.00	1518102
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	3.040	6.71	61.95	1542795
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	20.545	5.78	56.00	17825597
71-43-2	Benzene	47	SA	9.443	6.49	78.00	14659996
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	26.358	6.49	71.00	12732670
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	2.341	6.49	130.00	1344587
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	14.575	8.92	91.00	20965127
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	6.908	8.72	85.00	4004329
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	2.458	9.41	166.00	1602435
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	10.508	10.94	106	17465458
1330-20-7	m,p-Xylenes	75	SA	12.277	11.15	91.00	17275900
111-84-2	Nonane	76	SA	3.172	10.86	57.00	4478318
100-42-5	Styrene	77	SA	0.320	11.83	104.00	330090
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	4.174	11.75	91.00	6001914
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	1.099	12.24	105.00	1577553
622-96-8	4-Ethyltoluene	85	SA	1.237	13.00	105.00	1981249
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.565	13.12	105.00	970870
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.496	13.71	105.00	875496
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	1.763	14.10	119.00	3803291
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.505	1.91	51.00	12366025
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5894963**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7890968**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8359632**
2037-26-5	Toluene-d8	61	SURR	2.674	8.85	98.00	**4749232**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 54
File Name: 2614454A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 503
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	30.52	305.21	526.00	305.21	526.00	526.00	526.00	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	4.11	41.14	53.91	41.14	53.91	53.91	53.91	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.42	4.20	16.34	4.20	16.34	16.34	16.34	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	11.13	111.28	210.10	111.28	210.10	210.10	210.10	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	13.03	130.35	299.49	130.35	299.49	299.49	299.49	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	109.47	1094.70	2604.82	,094.70	2,604.82	2604.82	2,604.82	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.25	2.45	14.35	2.45	14.35	14.35	14.35	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.47	-24.67	-97.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.22	2.25	8.92	2.25	8.92	8.92	8.92	0.050	0.200	0.20	0.79	0.80	3.17		
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U	
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U	
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U	
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U	
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U	
2-Butanone (MEK)	72.1	39.49	394.92	1166.15	394.92	1,166.15	1166.15	1,166.15	0.100	0.300	0.40	1.18	1.20	3.54		
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U	
Hexane	86.2	6.08	60.85	214.81	60.85	214.81	214.81	214.81	0.100	0.250	0.40	1.41	1.00	3.53		
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U	
Ethyl acetate	88.1	1.42	14.20	51.25	14.20	51.25	51.25	51.25	0.100	0.250	0.40	1.44	1.00	3.61		
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U	
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U	
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U	
cis-1,2-Dichloroethene	96.9	3.21	32.08	127.29	32.08	127.29	127.29	127.29	0.050	0.250	0.20	0.79	1.00	3.97		
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U	
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U	
1,2-Dichloroethane	99.0	3.04	30.40	123.27	30.40	123.27	123.27	123.27	0.050	0.250	0.20	0.81	1.00	4.05		
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U	
Cyclohexane	84.2	20.54	205.45	708.47	205.45	708.47	708.47	708.47	0.050	0.250	0.20	0.69	1.00	3.45		
Benzene	78.1	9.44	94.43	302.05	94.43	302.05	302.05	302.05	0.350	0.500	1.40	4.48	2.00	6.40		
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U	
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U	
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U	
n-Heptane	100.2	26.36	263.58	1081.64	263.58	1,081.64	1081.64	1,081.64	0.100	0.250	0.40	1.64	1.00	4.10		
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U	
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U	
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U	
Trichloroethene (TCE)	131.4	2.34	23.41	125.96	23.41	125.96	125.96	125.96	0.025	0.250	0.10	0.54	1.00	5.38		
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U	
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U	
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U	
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U	
Toluene	92.1	14.57	145.75	549.76	145.75	549.76	549.76	549.76	0.200	0.250	0.80	3.02	1.00	3.77		
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U	
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U	
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U	
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	6.91	69.08	323.09	69.08	323.09	323.09	323.09	0.100	0.250	0.40	1.87	1.00	4.68	
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	2.46	24.58	166.89	24.58	166.89	166.89	166.89	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	10.51	105.08	457.02	105.08	457.02	457.02	457.02	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	12.28	122.77	533.99	122.77	533.99	533.99	533.99	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	3.17	31.72	166.66	31.72	166.66	166.66	166.66	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.32	3.20	13.65	3.20	13.65	13.65	13.65	0.150	0.250	0.60	2.56	1.00	4.27	
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	4.17	41.74	181.56	41.74	181.56	181.56	181.56	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	1.10	10.99	54.08	10.99	54.08	54.08	54.08	0.200	0.700	0.80	3.94	2.80	13.78	
4-Ethyltoluene	120.2	1.24	12.37	60.90	12.37	60.90	60.90	60.90	0.200	1.600	0.80	3.94	6.40	31.51	
1,3,5-Trimethylbenzene	120.2	0.56	5.65	27.79	5.65	27.79	27.79	27.79	0.200	0.900	0.80	3.94	3.60	17.72	
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.50	4.96	24.41	4.96	24.41	24.41	24.41	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	1.76	17.63	96.89	17.63	96.89	96.89	96.89	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.50	215.05	581.72	215.05	581.72	581.72	581.72	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.67	107	107	107	107	107	107	2.5
										107	2.5
									107		
								107			
							107				
						107					
					107						

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=	E	Y	305.21	526.00
ND		ND		Y	0.00	0.00
		=		Y	41.14	53.91
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	4.20	16.34
ND		ND		Y	0.00	0.00
		=		Y	111.28	210.10
		=		Y	130.35	299.49
ND		ND		Y	0.00	0.00
		=	E	Y	1094.70	2604.82
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.45	14.35
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

| | | |

ND		Y	0.00		0.00	
	=	Y	69.08		323.09	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	24.58		166.89	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	105.08		457.02	
	=	Y	122.77		533.99	
	=	Y	31.72		166.66	
	=	Y	3.20		13.65	
ND		Y	0.00		0.00	
	=	Y	41.74		181.56	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	10.99		54.08	
	=	Y	12.37		60.90	
	=	Y	5.65		27.79	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	4.96		24.41	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	17.63		96.89	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
ND		Y	0.00		0.00	
	=	Y	215.05		581.72	
	=	Y				
	=	Y				
	=	Y				

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**54**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	15439951	20.0	5894963	30.521	305.21	526.00
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	906702	20.0	5894963	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	1923410	20.0	5894963	4.114	41.14	53.91
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	5894963	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5894963	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5894963	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5894963	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	163847	20.0	5894963	0.420	4.20	16.34
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5894963	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1290790	20.0	5894963	11.128	111.28	210.10
12	Acrolein	PFB	SA	56.1	0.121	1863291	20.0	5894963	13.035	130.35	299.49
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5894963	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	26076188	20.0	5894963	109.470	1094.70	2604.82
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5894963	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5894963	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	43792	20.0	5894963	0.245	2.45	14.35
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	82548	20.0	5894963	-2.467	-24.67	-97.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5894963	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5894963	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5894963	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5894963	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5894963	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	103877	20.0	5894963	0.225	2.25	8.92
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5894963	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5894963	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5894963	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5894963	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5894963	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	8853695	20.0	5894963	39.492	394.92	1166.15
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5894963	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	7640894	20.0	5894963	6.085	60.85	214.81
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5894963	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	212458	20.0	5894963	1.420	14.20	51.25
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5894963	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5894963	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5894963	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5894963	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	1518102	20.0	5894963	3.208	32.08	127.29
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5894963	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5894963	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7890968	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	1542795	20.0	7890968	3.040	30.40	123.27
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7890968	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	17825597	20.0	7890968	20.545	205.45	708.47
47	Benzene	14DFB	SA	78.1	0.984	14659996	20.0	7890968	9.443	94.43	302.05
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7890968	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7890968	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7890968	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	12732670	20.0	7890968	26.358	263.58	1081.64
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7890968	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7890968	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7890968	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	1344587	20.0	7890968	2.341	23.41	125.96
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7890968	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7890968	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7890968	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7890968	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	20965127	20.0	7890968	14.575	145.75	549.76
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7890968	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7890968	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7890968	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7890968	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7890968	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	4004329	20.0	7890968	6.908	69.08	323.09
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7890968	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7890968	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	1602435	20.0	7890968	2.458	24.58	166.89
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8359632	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8359632	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	17465458	20.0	8359632	10.508	105.08	457.02
75	m,p-Xylenes	d5CB	SA	106.2	0.842	17275900	20.0	8359632	12.277	122.77	533.99
76	Nonane	d5CB	SA	128.3	0.844	4478318	20.0	8359632	3.172	31.72	166.66
77	Styrene	d5CB	SA	104.2	0.617	330090	20.0	8359632	0.320	3.20	13.65
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8359632	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	6001914	20.0	8359632	4.174	41.74	181.56
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8359632	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8359632	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8359632	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8359632	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	1577553	20.0	8359632	1.099	10.99	54.08
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	1981249	20.0	8359632	1.237	12.37	60.90
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	970870	20.0	8359632	0.565	5.65	27.79
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8359632	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8359632	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	875496	20.0	8359632	0.496	4.96	24.41
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8359632	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8359632	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8359632	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	3803291	20.0	8359632	1.763	17.63	96.89
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8359632	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8359632	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8359632	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8359632	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8359632	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8359632	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8359632	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8359632	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8359632	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12366025	20.0	8359632	21.505	215.05	581.72
1	Pentafluorobenzene		IS			5894963	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7890968	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8359632	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4749232	5.0		2.674	106.95	107

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description: T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	4.00	10.00	890.46	6.89	17.23	1,534.61	
67-64-1	Acetone	20.00	24.00	1,915.74	47.59	57.11	4,558.47	
78-93-3	2-Butanone (MEK)	4.00	12.00	276.04	11.81	35.43	815.12	
142-82-5	n-Heptane	4.00	10.00	161.98	16.41	41.04	664.73	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

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Can Dilution Factor: 1.00
Air Volume: 10 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	10.00	12.00	661.14	27.05	32.46	1,788.44	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 54

File Name: 2614454A.D
Description T-412
Canister: 503
QC_Batch: 081426-MA1

Date Sampled: 7/23/2026 **Time:** 11:07
Date Analyzed: 8/14/2026 **Time:** 13:38
Can Dilution Factor: 1.00
Air Volume: 10.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	70.00	150.00	ND	286.68	614.32	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**226144**		
				EAS ID:	**54**		
File Name:	2614454A.D	**Method:**	**TO-15**	**Date Sampled:**	**7/23/2026**	**Time:**	**11:07**
Sample ID:	T-412	**Matrix:**	**AA**	**Date Received:**	**7/24/2026**	**Time:**	**16:10**
MiscInfo-Vol:	SCHMIDT	**Detect:**	**ND**	**Date Analyzed:**	**8/14/2026**	**Time:**	**13:38**
Anal Date:	14 Aug 126 1:38 pm	**SF:**	**2**	**QCbatch:**	**081426-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**10.0**		
Run Method:	B1563_C.M	**Type:**	**SA**	**Can (Vial) No:**	**503**		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**SA**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	8.905	1.69	42.00	2728802
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	53900
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.441	2.03	50.00	220164
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.066	1.91	85.00	53900
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.092	2.17	54.00	21411
74-83-9	Bromomethane	9	SA	0.132	2.44	94.00	31070
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.279	3.39	46.00	19595
107-02-8	Acrolein	12	SA	1.673	3.75	56.00	144870
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	19.157	4.13	58.00	2764414
67-63-0	2-propanol (isopropylalcohc	15	SA	0.358	3.99	45.00	237015
75-65-0	t-Butyl alcohol	16	SA	0.066	4.50	59.00	42017
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.151	4.96	53.00	29710
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.084	4.03	84.00	18066
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.130	6.49	54.00	24043
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	589442
78-93-3	2-Butanone (MEK)	30	SA	2.760	6.18	72.00	374895
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.856	4.33	57.00	650890
126-98-7	Methacrylonitrile	33	SA	0.178	6.51	67.00	28785
141-78-6	Ethyl acetate	34	SA	1.159	6.71	61.00	105043
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.270	5.98	55.00	93066
109-99-9	Tetrahydrofuran	37	SA	3.119	6.18	72.00	417856
78-83-1	Isobutyl alcohol	38	SA	4.413	6.76	74.00	150039

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.185	5.54	96.00	53109
594-20-7	2,2-Dichloropropane	40	SA	0.051	5.64	77.00	16414
67-66-3	Chloroform	41	SA	0.053	5.83	83.00	**22264**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.191	6.71	61.95	62414
563-58-6	1,1-Dichloropropene	45	SA	0.106	6.20	75.00	45206
110-82-7	Cyclohexane	46	SA	1.108	5.78	56.00	620356
71-43-2	Benzene	47	SA	0.802	6.49	78.00	803377
56-23-5	Carbon tetrachloride	48	SA	0.112	6.01	116.90	25621
994-05-8	t-Amyl methyl ether	49	SA	0.027	6.63	73.00	20984
540-84-1	2,2,4-Trimethylpentane	50	SA	0.305	6.34	57.00	515831
142-82-5	n-Heptane	51	SA	1.620	6.49	71.00	504766
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.124	6.49	130.00	45869
75-27-4	Bromodichloromethane	56	SA	0.065	7.85	83.00	27043
80-62-6	Methyl methacrylate	57	SA	0.148	8.05	69.00	40566
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.909	8.92	91.00	843493
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.408	9.67	69.00	198084
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.372	8.72	85.00	139129
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.141	9.41	166.00	59462
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.110	11.00	131.00	31188
100-41-4	Ethylbenzene	74	SA	0.489	10.94	106	512094
1330-20-7	m,p-Xylenes	75	SA	0.601	11.15	91.00	532993
111-84-2	Nonane	76	SA	0.196	10.86	57.00	174661
100-42-5	Styrene	77	SA	0.026	11.83	104.00	17054
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.203	11.73	91.00	183750
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.020	12.92	83.00	22528
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	19607
103-65-1	n-Propylbenzene	83	SA	0.016	12.83	91.00	24390
98-82-8	Isopropylbenzene	84	SA	0.051	12.24	105.00	45738
622-96-8	4-Ethyltoluene	85	SA	0.058	13.00	105.00	58823
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.031	13.12	105.00	33814
124-18-5	Decane	87	SA	1.018	12.85	57.00	1349479
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.039	13.71	105.00	43117
538-93-2	i-Butylbenzene	90	SA	0.033	13.89	91.00	56585
135-98-8	sec-butylbenzene	91	SA	0.026	13.87	105.00	43117
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.074	14.10	119.00	100335
100-44-7	Benzyl chloride	94	SA	0.033	13.31	91.00	29507

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.052	15.01	146.00	48477
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	6.611	1.79	51.00	2395733
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3571062**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**5090228**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**5267845**
2037-26-5	Toluene-d8	61	SURR	2.455	8.85	98.00	**2812644**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 54
File Name: 2614454A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 10.0 ml
Can/Tube Number: 503
Dilution Factor: 0.0100
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.0100
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<4.00

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	8.90	890.46	1534.61	890.46	1,534.61	1534.61	1,534.61	0.100	0.250	4.00	6.89	10.00	17.23	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	6.00	29.71	10.00	49.51	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	20.00	26.21	24.00	31.45	U
Chloromethane	50.5	0.44	44.12	91.25	44.12	91.25	91.25	91.25	0.150	0.250	6.00	12.41	10.00	20.68	
1,2-Dichlorotetrafluoroethane	170.9	0.07	6.65	46.53	6.65	46.53	46.53	46.53	0.100	0.250	4.00	28.00	10.00	69.99	J
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.01	5.15	10.00	25.60	U
1,3-Butadiene	54.1	0.09	9.19	20.36	9.19	20.36	20.36	20.36	0.050	0.250	2.01	4.46	10.00	22.16	J
Bromomethane	94.9	0.13	13.16	51.14	13.16	51.14	51.14	51.14	0.100	0.250	4.00	15.55	10.00	38.87	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	10.57	10.00	26.42	U
Ethanol	46.1	0.28	27.89	52.65	27.89	52.65	52.65	52.65	0.500	3.210	20.00	37.76	128.40	242.42	J
Acrolein	56.1	1.67	167.30	384.38	167.30	384.38	384.38	384.38	0.100	0.300	4.00	9.19	12.00	27.57	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	22.51	10.00	56.27	U
Acetone	58.1	19.16	1915.74	4558.47	,915.74	4,558.47	4558.47	4,558.47	0.500	0.600	20.00	47.59	24.00	57.11	
2-propanol (isopropylalcohol)	60.1	0.36	35.78	88.08	35.78	88.08	88.08	88.08	0.200	1.250	8.00	19.69	50.00	123.07	J
t-Butyl alcohol	74.1	0.07	6.57	19.94	6.57	19.94	19.94	19.94	0.100	1.000	4.00	12.14	40.00	121.39	J
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	4.00	23.41	12.00	70.23	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	7.94	10.00	39.69	U
Acrylonitrile	53.1	0.15	15.12	32.89	15.12	32.89	32.89	32.89	0.200	0.300	8.00	17.40	12.00	26.10	
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	15.35	10.00	76.75	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	2.00	6.27	40.00	125.32	U
Methylene chloride	84.9	0.08	8.38	29.14	8.38	29.14	29.14	29.14	0.050	0.250	2.00	6.95	10.00	34.77	J
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	12.47	10.00	31.17	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	2.00	7.94	8.00	31.75	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	4.00	14.43	8.00	28.87	U
Propionitrile	55.1	0.13	12.95	29.22	12.95	29.22	29.22	29.22	0.250	0.400	10.00	22.57	16.00	36.11	J
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	1.99	8.09	10.00	40.55	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	16.74	10.00	41.86	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	2.00	7.05	40.00	141.05	U
2-Butanone (MEK)	72.1	2.76	276.04	815.12	276.04	815.12	815.12	815.12	0.100	0.300	4.00	11.81	12.00	35.43	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	4.00	16.74	24.00	100.45	U
Hexane	86.2	0.86	85.57	302.07	85.57	302.07	302.07	302.07	0.100	0.250	4.00	14.12	10.00	35.30	
Methacrylonitrile	67.1	0.18	17.81	48.94	17.81	48.94	48.94	48.94	0.100	0.250	4.00	10.99	10.00	27.48	
Ethyl acetate	88.1	1.16	115.92	418.27	115.92	418.27	418.27	418.27	0.100	0.250	4.00	14.43	10.00	36.08	
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	10.60	10.00	53.00	U
Methyl acrylate	86.1	0.27	27.03	95.30	27.03	95.30	95.30	95.30	0.100	0.500	4.00	14.10	20.00	70.52	
Tetrahydrofuran	72.1	3.12	311.88	920.94	311.88	920.94	920.94	920.94	0.050	0.300	2.01	5.94	12.00	35.43	
Isobutyl alcohol	74.1	4.41	441.26	1339.13	441.26	1,339.13	1339.13	1,339.13	0.200	0.800	8.00	24.28	32.00	97.11	
cis-1,2-Dichloroethene	96.9	0.19	18.52	73.51	18.52	73.51	73.51	73.51	0.050	0.250	2.00	7.94	10.00	39.69	
2,2-Dichloropropane	113.0	0.05	5.06	23.42	5.06	23.42	23.42	23.42	0.050	0.250	2.00	9.26	10.00	46.28	J
Chloroform	119.4	0.05	5.27	25.76	5.27	25.76	25.76	25.76	0.050	0.250	2.01	9.81	10.00	48.90	J
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	10.93	10.00	54.63	U
1,2-Dichloroethane	99.0	0.19	19.07	77.31	19.07	77.31	77.31	77.31	0.050	0.250	2.00	8.11	10.00	40.55	
1,1-Dichloropropene	111.0	0.11	10.62	48.26	10.62	48.26	48.26	48.26	0.050	0.250	2.00	9.09	10.00	45.46	
Cyclohexane	84.2	1.11	110.84	382.22	110.84	382.22	382.22	382.22	0.050	0.250	2.00	6.90	10.00	34.48	
Benzene	78.1	0.80	80.22	256.60	80.22	256.60	256.60	256.60	0.350	0.500	14.00	44.78	20.00	63.97	
Carbon tetrachloride	153.8	0.11	11.22	70.65	11.22	70.65	70.65	70.65	0.050	0.250	2.00	12.60	10.00	62.99	
t-Amyl methyl ether	102.2	0.03	2.70	11.29	ND	ND	0		0.100	0.500	4.00	16.74	20.00	83.71	U
2,2,4-Trimethylpentane	114.2	0.30	30.46	142.47	30.46	142.47	142.47	142.47	0.050	0.250	2.00	9.35	10.00	46.77	
n-Heptane	100.2	1.62	161.98	664.73	161.98	664.73	664.73	664.73	0.100	0.250	4.00	16.41	10.00	41.04	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	9.26	10.00	46.28	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	4.00	14.43	20.00	72.16	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	14.24	10.00	71.19	U
Trichloroethene (TCE)	131.4	0.12	12.38	66.61	12.38	66.61	66.61	66.61	0.025	0.250	1.00	5.38	10.00	53.81	
Bromodichloromethane	163.8	0.06	6.48	43.50	6.48	43.50	43.50	43.50	0.050	0.250	2.00	13.42	10.00	67.08	J
Methyl methacrylate	100.1	0.15	14.78	60.60	14.78	60.60	60.60	60.60	0.100	0.250	4.00	16.40	10.00	41.00	
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	4.00	16.41	32.00	131.32	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	9.09	10.00	45.46	U
Toluene	92.1	0.91	90.90	342.89	90.90	342.89	342.89	342.89	0.200	0.250	8.00	30.18	10.00	37.72	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	9.09	10.00	45.46	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	2.00	10.93	10.00	54.63	U
Ethyl methacrylate	114.2	0.41	40.81	190.88	40.81	190.88	190.88	190.88	0.100	0.250	4.00	18.71	10.00	46.77	
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	4.00	16.41	32.00	131.32	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	2.00	9.26	28.00	129.58	U
Octane	114.2	0.37	37.21	174.02	37.21	174.02	174.02	174.02	0.100	0.250	4.00	18.71	10.00	46.77	
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	34.12	10.00	85.31	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	30.78	10.00	76.95	U
Tetrachloroethene (PCE)	165.8	0.14	14.14	96.00	14.14	96.00	96.00	96.00	0.025	0.250	1.00	6.79	10.00	67.90	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	18.45	10.00	46.12	U
1,1,1,2-Tetrachloroethane	167.8	0.11	11.01	75.68	11.01	75.68	75.68	75.68	0.100	0.250	4.00	27.49	10.00	68.72	
Ethylbenzene	106.2	0.49	48.89	212.65	48.89	212.65	212.65	212.65	0.100	0.250	4.00	17.40	10.00	43.49	
m,p-Xylenes	106.2	0.60	60.11	261.44	60.11	261.44	261.44	261.44	0.100	0.250	4.00	17.40	10.00	43.49	
Nonane	128.3	0.20	19.63	103.15	19.63	103.15	103.15	103.15	0.100	0.250	4.00	21.02	10.00	52.55	
Styrene	104.2	0.03	2.62	11.19	ND	ND	0		0.150	0.250	6.00	25.61	10.00	42.68	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	4.00	41.40	10.00	103.49	U
o-Xylene	106.2	0.20	20.28	88.21	20.28	88.21	88.21	88.21	0.100	0.250	4.00	17.40	10.00	43.49	
1,1,2,2-Tetrachloroethane	167.8	0.02	2.02	13.85	ND	ND	0		0.200	0.500	8.00	54.98	20.00	137.44	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	8.00	48.29	24.00	144.88	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	8.00	40.95	24.00	122.86	U
n-Propylbenzene	120.2	0.02	1.60	7.86	ND	ND	0		0.200	0.700	8.00	39.38	28.00	137.84	U
Isopropylbenzene	120.2	0.05	5.05	24.88	ND	ND	0		0.200	0.700	8.00	39.38	28.00	137.84	U
4-Ethyltoluene	120.2	0.06	5.83	28.69	ND	ND	0		0.200	1.600	8.00	39.38	64.00	315.06	U
1,3,5-Trimethylbenzene	120.2	0.03	3.12	15.36	ND	ND	0		0.200	0.900	8.00	39.38	36.00	177.22	U
Decane	142.3	1.02	101.83	593.47	101.83	593.47	593.47	593.47	0.200	0.600	8.00	46.62	24.00	139.87	
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	8.00	43.97	24.00	131.91	U
1,2,4-Trimethylbenzene	120.2	0.04	3.88	19.08	ND	ND	0		0.200	0.900	8.00	39.38	36.00	177.22	U
i-Butylbenzene	134.2	0.03	3.30	18.16	ND	ND	0		0.200	0.600	8.00	43.97	24.00	131.91	U
sec-butylbenzene	134.2	0.03	2.65	14.54	ND	ND	0		0.200	0.700	8.00	43.97	28.00	153.89	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	8.00	48.16	32.00	192.65	U
Isopropyltoluene	134.2	0.07	7.38	40.56	ND	ND	0		0.200	0.600	8.00	43.97	24.00	131.91	U
Benzyl chloride	126.6	0.03	3.33	17.24	ND	ND	0		0.200	0.500	8.00	41.48	20.00	103.70	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	8.00	48.16	20.00	120.41	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	8.00	43.97	24.00	131.91	U
1,2-Dichlorobenzene	147.0	0.05	5.19	31.26	ND	ND	0		0.200	0.700	8.00	48.16	28.00	168.57	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	12.00	116.13	28.00	270.97	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	12.00	89.15	20.00	148.58	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	4.00	21.00	20.00	105.01	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	12.00	89.15	20.00	148.58	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	10.00	106.81	12.00	128.17	U
1,1-Difluoroethane	66.1	6.61	661.14	1788.44	661.14	1,788.44	1788.44	1,788.44	0.250	0.300	10.00	27.05	12.00	32.46	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.45	98	98	98	98	98	98

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	890.46	1534.61
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	44.12	91.25
J		=		Y	6.65	46.53
ND		ND		Y	0.00	0.00
J		=		Y	9.19	20.36
		=		Y	13.16	51.14
ND		ND		Y	0.00	0.00
J		=		Y	27.89	52.65
		=		Y	167.30	384.38
ND		ND		Y	0.00	0.00
		=		Y	1915.74	4558.47
J		=		Y	35.78	88.08
J		=		Y	6.57	19.94
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	15.12	32.89
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	8.38	29.14
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	12.95	29.22
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	276.04	815.12
ND	ND	Y	0.00	0.00
	=	Y	85.57	302.07
	=	Y	17.81	48.94
	=	Y	115.92	418.27
ND	ND	Y	0.00	0.00
	=	Y	27.03	95.30
	=	Y	311.88	920.94
	=	Y	441.26	1339.13
	=	Y	18.52	73.51
J	=	Y	5.06	23.42
J	=	Y	5.27	25.76
ND	ND	Y	0.00	0.00
	=	Y	19.07	77.31
	=	Y	10.62	48.26
	=	Y	110.84	382.22
	=	Y	80.22	256.60
	=	Y	11.22	70.65
ND	ND	Y	0.00	0.00
	=	Y	30.46	142.47
	=	Y	161.98	664.73
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	12.38	66.61
J	=	Y	6.48	43.50
	=	Y	14.78	60.60
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	90.90	342.89
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	40.81	190.88
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
	=	Y	37.21	174.02
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	14.14	96.00
ND	ND	Y	0.00	0.00
	=	Y	11.01	75.68
	=	Y	48.89	212.65
	=	Y	60.11	261.44
	=	Y	19.63	103.15
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	20.28	88.21
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	101.83	593.47
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	661.14	1788.44
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**54**
Standard Volume	STV	10.0 ml
Sample Volume	SV	10 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

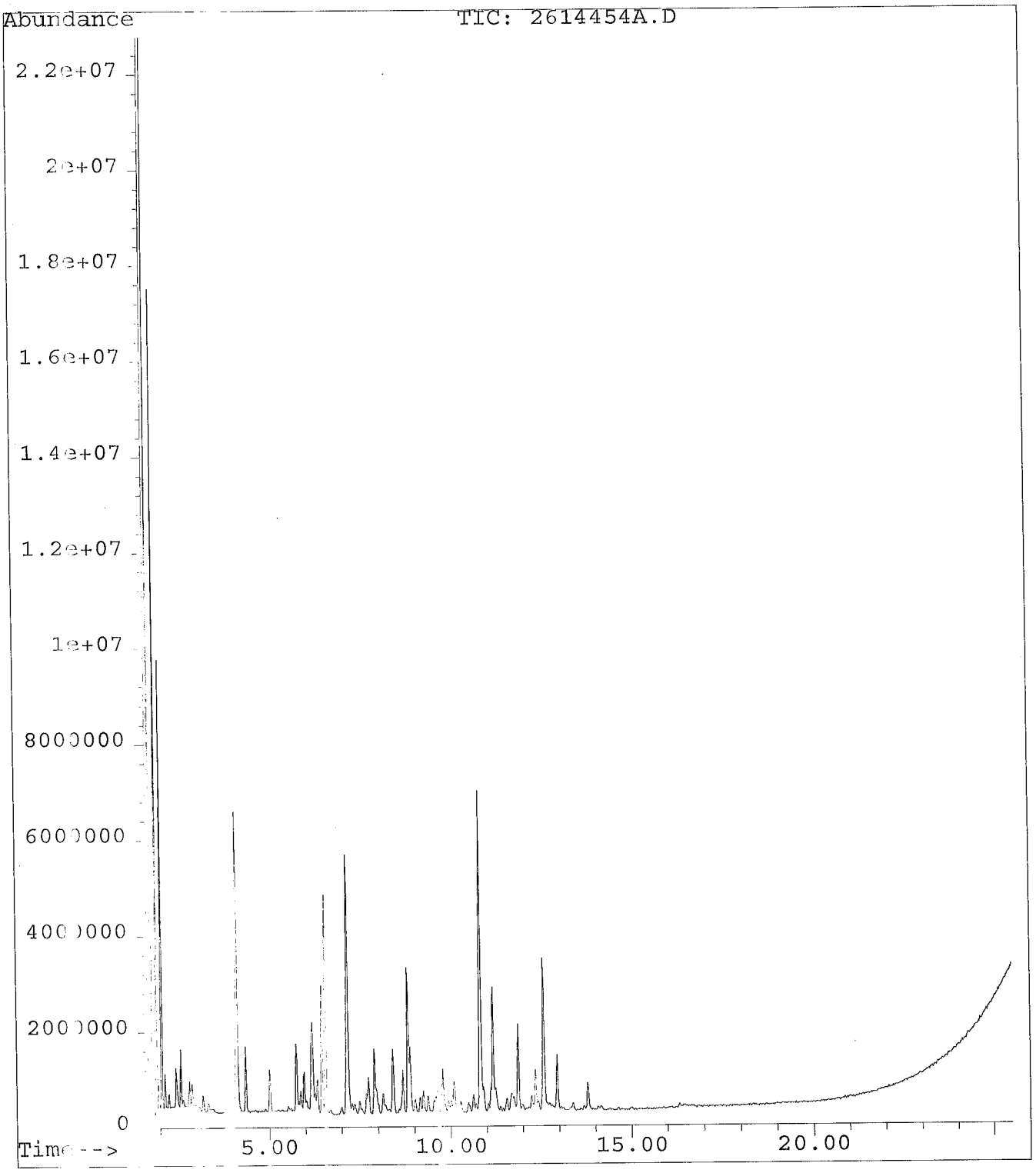
4) Amount ug/m3 = $\frac{(amt(ppbv)}{24.42}$ MW

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	2728802	20.0	3571062	8.905	890.46	1534.61
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	53900	20.0	3571062	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	3571062	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	220164	20.0	3571062	0.441	44.12	91.25
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	53900	20.0	3571062	0.066	6.65	46.53
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	3571062	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	21411	20.0	3571062	0.092	9.19	20.36
9	Bromomethane	PFB	SA	94.9	0.331	31070	20.0	3571062	0.132	13.16	51.14
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	3571062	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	19595	20.0	3571062	0.279	27.89	52.65
12	Acrolein	PFB	SA	56.1	0.121	144870	20.0	3571062	1.673	167.30	384.38
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	3571062	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	2764414	20.0	3571062	19.157	1915.74	4558.47
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	237015	20.0	3571062	0.358	35.78	88.08
16	t-Butyl alcohol	PFB	SA	74.1	0.895	42017	20.0	3571062	0.066	6.57	19.94
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	3571062	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	3571062	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	29710	20.0	3571062	0.151	15.12	32.89
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	3571062	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	3571062	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	18066	20.0	3571062	0.084	8.38	29.14
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	3571062	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	3571062	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	3571062	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	24043	20.0	3571062	0.130	12.95	29.22
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	3571062	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	3571062	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	589442	20.0	3571062	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	374895	20.0	3571062	2.760	276.04	815.12
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	3571062	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	650890	20.0	3571062	0.856	85.57	302.07
33	Methacrylonitrile	PFB	SA	67.1	0.226	28785	20.0	3571062	0.178	17.81	48.94
34	Ethyl acetate	PFB	SA	88.1	0.127	105043	20.0	3571062	1.159	115.92	418.27
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	3571062	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	93066	20.0	3571062	0.270	27.03	95.30
37	Tetrahydrofuran	PFB	SA	72.1	0.188	417856	20.0	3571062	3.119	311.88	920.94
38	Isobutyl alcohol	PFB	SA	74.1	0.048	150039	20.0	3571062	4.413	441.26	1339.13
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	53109	20.0	3571062	0.185	18.52	73.51
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	16414	20.0	3571062	0.051	5.06	23.42
41	Chloroform	PFB	SA	119.4	0.592	22264	20.0	3571062	0.053	5.27	25.76
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	5090228	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	62414	20.0	5090228	0.191	19.07	77.31
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	45206	20.0	5090228	0.106	10.62	48.26
46	Cyclohexane	14DFB	SA	84.2	0.550	620356	20.0	5090228	1.108	110.84	382.22
47	Benzene	14DFB	SA	78.1	0.984	803377	20.0	5090228	0.802	80.22	256.60
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	25621	20.0	5090228	0.112	11.22	70.65
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	20984	20.0	5090228	0.027	2.70	11.29
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	515831	20.0	5090228	0.305	30.46	142.47
51	n-Heptane	14DFB	SA	100.2	0.306	504766	20.0	5090228	1.620	161.98	664.73
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	5090228	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	5090228	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	5090228	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	45869	20.0	5090228	0.124	12.38	66.61
56	Bromodichloromethane	14DFB	SA	163.8	0.410	27043	20.0	5090228	0.065	6.48	43.50
57	Methyl methacrylate	14DFB	SA	100.1	0.270	40566	20.0	5090228	0.148	14.78	60.60
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	5090228	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	5090228	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	843493	20.0	5090228	0.909	90.90	342.89
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	5090228	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	5090228	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	198084	20.0	5090228	0.408	40.81	190.88
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	5090228	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	5090228	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	139129	20.0	5090228	0.372	37.21	174.02
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	5090228	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	5090228	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	59462	20.0	5090228	0.141	14.14	96.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	5267845	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	31188	20.0	5267845	0.110	11.01	75.68
74	Ethylbenzene	d5CB	SA	106.2	0.994	512094	20.0	5267845	0.489	48.89	212.65
75	m,p-Xylenes	d5CB	SA	106.2	0.842	532993	20.0	5267845	0.601	60.11	261.44
76	Nonane	d5CB	SA	128.3	0.844	174661	20.0	5267845	0.196	19.63	103.15
77	Styrene	d5CB	SA	104.2	0.617	17054	20.0	5267845	0.026	2.62	11.19
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	5267845	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	183750	20.0	5267845	0.203	20.28	88.21
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	22528	20.0	5267845	0.020	2.02	13.85
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	5267845	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	19607	20.0	5267845	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	24390	20.0	5267845	0.016	1.60	7.86
84	Isopropylbenzene	d5CB	SA	120.2	0.859	45738	20.0	5267845	0.051	5.05	24.88
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	58823	20.0	5267845	0.058	5.83	28.69
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	33814	20.0	5267845	0.031	3.12	15.36
87	Decane	d5CB	SA	142.3	1.258	1349479	20.0	5267845	1.018	101.83	593.47
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	5267845	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	43117	20.0	5267845	0.039	3.88	19.08
90	i-Butylbenzene	d5CB	SA	134.2	1.625	56585	20.0	5267845	0.033	3.30	18.16

91	sec-butylbenzene	d5CB	SA	134.2	1.547	43117	20.0	5267845	0.026	2.65	14.54
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	5267845	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	100335	20.0	5267845	0.074	7.38	40.56
94	Benzyl chloride	d5CB	SA	126.6	0.842	29507	20.0	5267845	0.033	3.33	17.24
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	5267845	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	5267845	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	48477	20.0	5267845	0.052	5.19	31.26
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	5267845	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	5267845	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	5267845	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	5267845	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	5267845	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	2395733	20.0	5267845	6.611	661.14	1788.44
1	Pentafluorobenzene		IS			3571062	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			5090228	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			5267845	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			2812644	5.0		2.455	98.19	98

File : C:\MSCHEM\1\DATA\08146B_3\2614454A.D
Operator : K
Acquired : 1 Aug 126 1:38 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: 412
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 55

Client ID T-413

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description: T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	263.48	0.69	1.72	454.08	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	54.42	2.62	3.15	71.32	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	7.86	1.55	3.89	30.54	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	124.16	3.78	24.24	234.42	
107-02-8	Acrolein	0.40	1.20	131.24	0.92	2.76	301.54	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	219.13	4.76	5.71	521.41	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	3.24	2.34	7.02	18.95	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	3.22	0.79	3.17	12.77	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	61.05	1.18	3.54	180.28	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	105.96	1.41	3.53	374.07	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	12.15	1.44	3.61	43.84	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	20.59	0.79	3.97	81.72	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	26.03	0.81	4.05	105.54	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	144.83	0.69	3.45	499.45	
71-43-2	Benzene	1.40	2.00	71.45	4.48	6.40	228.53	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	192.11	1.64	4.10	788.37	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	16.84	0.54	5.38	90.64	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	118.55	3.02	3.77	447.15	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	54.52	1.87	4.68	255.00	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	22.59	0.68	6.79	153.41	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	85.47	1.74	4.35	371.77	
1330-20-7	m,p-Xylenes	0.40	1.00	99.64	1.74	4.35	433.40	
111-84-2	Nonane	0.40	1.00	23.64	2.10	5.25	124.21	
100-42-5	Styrene	0.60	1.00	3.35	2.56	4.27	14.28	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	34.78	1.74	4.35	151.28	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	9.18	3.94	13.78	45.20	
622-96-8	4-Ethyltoluene	0.80	6.40	10.74	3.94	31.51	52.85	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	4.55	3.94	17.72	22.41	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	4.31	3.94	17.72	21.20	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	13.96	4.40	13.19	76.73	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	110	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	216.95	2.71	3.25	586.87	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 55

File Name: 2614455A.D
Description: T-413
Canister: 695
QC_Batch: 081026-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/10/2026 **Time:** 20:42
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
3-BUTENOIC ACID	7.00	15.00	413.90	28.67	61.43	1,695.13
BUTANE, 2-METHYL-	7.00	15.00	220.10	28.67	61.43	901.42
2-PENTENE, (E)-	7.00	15.00	94.30	28.67	61.43	386.21
2-PENTENE, (Z)-	7.00	15.00	60.30	28.67	61.43	246.96
CYCLOPENTANE, METHYL-	7.00	15.00	144.60	28.67	61.43	592.21
CYCLOPENTANE, 1,1,2-TRIMETHYL-	7.00	15.00	38.90	28.67	61.43	159.31
CYCLOHEXANE, ETHYL-	7.00	15.00	44.70	28.67	61.43	183.07
CYCLOHEXANE, 1,1,3-TRIMETHYL-	7.00	15.00	51.80	28.67	61.43	212.15
.ALPHA.-PINENE	7.00	15.00	74.50	28.67	61.43	305.11
CAMPHENE	7.00	15.00	52.60	28.67	61.43	215.42

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	55		
File Name:	2614455A.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	11:19
Sample ID:	T-413	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	20:42
Anal Date:	10 Aug 126 8:42 pm	**SF:**	2	**QCbatch:**	081026-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	695		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	26.348	1.69	42.00	15616005
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	5.442	2.49	31.00	2981251
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.786	2.44	94.00	358826
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	12.416	3.39	46.00	1687264
107-02-8	Acrolein	12	SA	13.124	3.75	56.00	2198022
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	21.913	4.13	58.00	6115343
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.324	3.51	142.00	98429
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.322	4.28	96.00	174280
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	6.105	6.18	72.00	1603624
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	10.596	4.33	57.00	15588531
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	1.215	6.71	61.00	212938
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	2.059	5.54	96.00	1141895
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	0
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	2.603	6.71	61.95	1529875
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	14.483	5.78	56.00	14553950
71-43-2	Benzene	47	SA	7.145	6.49	78.00	12845900
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	19.211	6.49	71.00	10748190
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	1.684	6.49	130.00	1120636
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	0
108-88-3	Toluene	61	SA	11.855	8.92	91.00	19748899
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	5.452	8.72	85.00	3660379
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	2.259	9.41	166.00	1705993
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	8.547	10.94	106	17103583
1330-20-7	m,p-Xylenes	75	SA	9.964	11.15	91.00	16879758
111-84-2	Nonane	76	SA	2.364	10.86	57.00	4018039
100-42-5	Styrene	77	SA	0.335	11.83	104.00	415575
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	3.478	11.73	91.00	6020291
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.918	12.24	105.00	1587219
622-96-8	4-Ethyltoluene	85	SA	1.074	13.00	105.00	2069752
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.455	13.12	105.00	942329
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.431	13.71	105.00	915475
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	1.396	14.10	119.00	3625720
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.695	1.85	51.00	15018665
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6906515**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9139037**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10063712**
2037-26-5	Toluene-d8	61	SURR	2.754	8.85	98.00	**5665511**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 55
File Name: 2614455A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 695
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	26.35	263.48	454.08	263.48	454.08	454.08	454.08	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	5.44	54.42	71.32	54.42	71.32	71.32	71.32	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.79	7.86	30.54	7.86	30.54	30.54	30.54	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	12.42	124.16	234.42	124.16	234.42	234.42	234.42	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	13.12	131.24	301.54	131.24	301.54	301.54	301.54	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	21.91	219.13	521.41	219.13	521.41	521.41	521.41	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.32	3.24	18.95	3.24	18.95	18.95	18.95	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.32	3.22	12.77	3.22	12.77	12.77	12.77	0.050	0.200	0.20	0.79	0.80	3.17	
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	6.11	61.05	180.28	61.05	180.28	180.28	180.28	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	10.60	105.96	374.07	105.96	374.07	374.07	374.07	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	1.22	12.15	43.84	12.15	43.84	43.84	43.84	0.100	0.250	0.40	1.44	1.00	3.61	
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	2.06	20.59	81.72	20.59	81.72	81.72	81.72	0.050	0.250	0.20	0.79	1.00	3.97	
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	2.60	26.03	105.54	26.03	105.54	105.54	105.54	0.050	0.250	0.20	0.81	1.00	4.05	
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	14.48	144.83	499.45	144.83	499.45	499.45	499.45	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	7.14	71.45	228.53	71.45	228.53	228.53	228.53	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	19.21	192.11	788.37	192.11	788.37	788.37	788.37	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	1.68	16.84	90.64	16.84	90.64	90.64	90.64	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	11.85	118.55	447.15	118.55	447.15	447.15	447.15	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	5.45	54.52	255.00	54.52	255.00	255.00	255.00	0.100	0.250	0.40	1.87	1.00	4.68	
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	2.26	22.59	153.41	22.59	153.41	153.41	153.41	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	8.55	85.47	371.77	85.47	371.77	371.77	371.77	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	9.96	99.64	433.40	99.64	433.40	433.40	433.40	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	2.36	23.64	124.21	23.64	124.21	124.21	124.21	0.100	0.250	0.40	2.10	1.00	5.25	
Styrene	104.2	0.33	3.35	14.28	3.35	14.28	14.28	14.28	0.150	0.250	0.60	2.56	1.00	4.27	
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	3.48	34.78	151.28	34.78	151.28	151.28	151.28	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.92	9.18	45.20	9.18	45.20	45.20	45.20	0.200	0.700	0.80	3.94	2.80	13.78	
4-Ethyltoluene	120.2	1.07	10.74	52.85	10.74	52.85	52.85	52.85	0.200	1.600	0.80	3.94	6.40	31.51	
1,3,5-Trimethylbenzene	120.2	0.46	4.55	22.41	4.55	22.41	22.41	22.41	0.200	0.900	0.80	3.94	3.60	17.72	
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.43	4.31	21.20	4.31	21.20	21.20	21.20	0.200	0.900	0.80	3.94	3.60	17.72	
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	1.40	13.96	76.73	13.96	76.73	76.73	76.73	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.70	216.95	586.87	216.95	586.87	586.87	586.87	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.75	110	110	110	110	110	110	2.5	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	263.48	454.08
ND		ND		Y	0.00	0.00
		=		Y	54.42	71.32
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	7.86	30.54
ND		ND		Y	0.00	0.00
		=		Y	124.16	234.42
		=		Y	131.24	301.54
ND		ND		Y	0.00	0.00
		=		Y	219.13	521.41
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.24	18.95
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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ND	ND	Y	0.00	0.00
	=	Y	54.52	255.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	22.59	153.41
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	85.47	371.77
	=	Y	99.64	433.40
	=	Y	23.64	124.21
	=	Y	3.35	14.28
ND	ND	Y	0.00	0.00
	=	Y	34.78	151.28
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	9.18	45.20
	=	Y	10.74	52.85
	=	Y	4.55	22.41
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.31	21.20
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	13.96	76.73
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	216.95	586.87
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**55**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = **Cn**

3) Amount ppbv = (Raw Amt) $\frac{1000}{(SV)}$ (CDF)

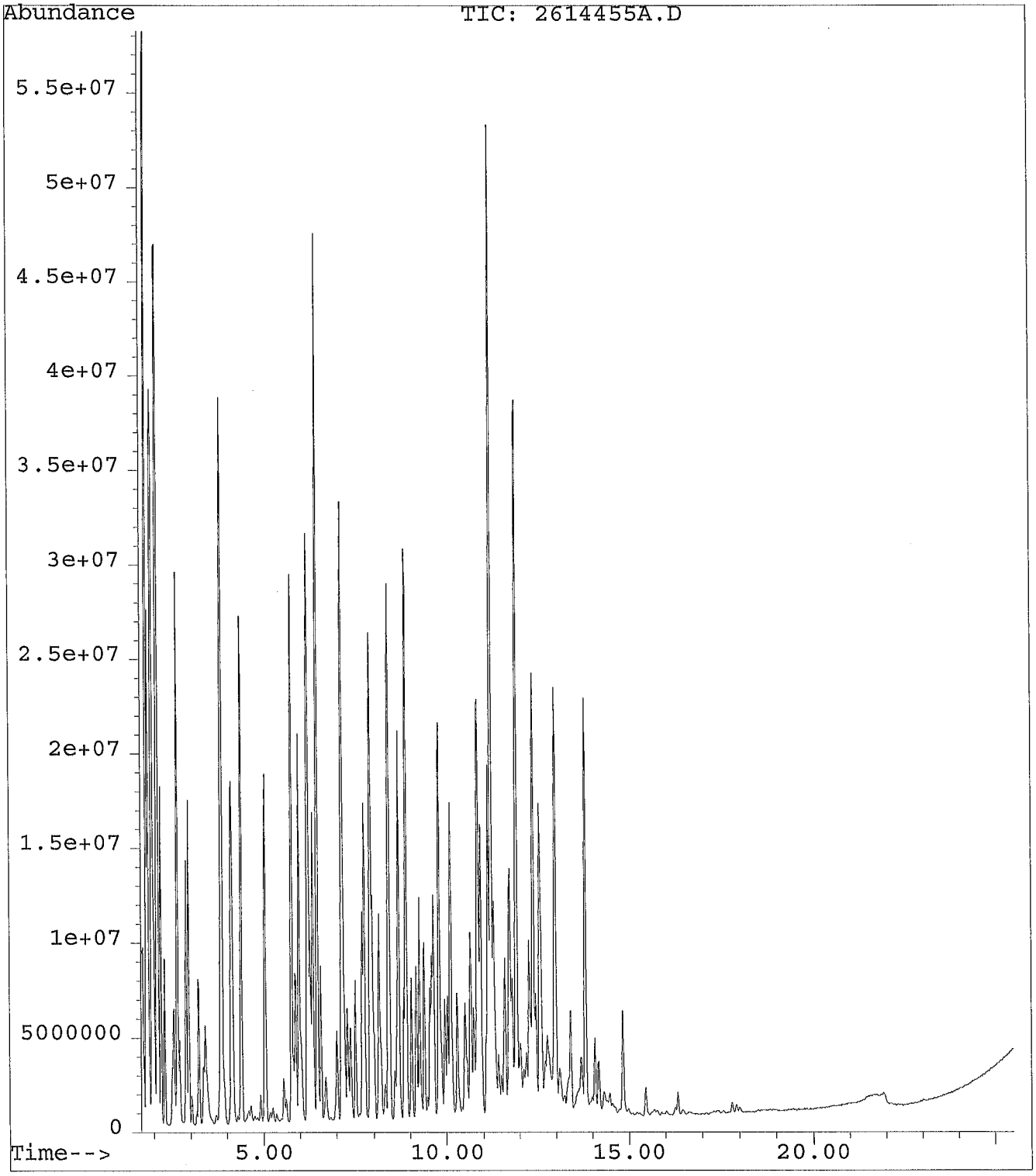
4) Amount ug/m3 = (amt(ppbv) $\frac{MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	15616005	20.0	6906515	26.348	263.48	454.08
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6906515	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	2981251	20.0	6906515	5.442	54.42	71.32
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	6906515	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6906515	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6906515	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6906515	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	358826	20.0	6906515	0.786	7.86	30.54
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6906515	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1687264	20.0	6906515	12.416	124.16	234.42
12	Acrolein	PFB	SA	56.1	0.121	2198022	20.0	6906515	13.124	131.24	301.54
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6906515	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	6115343	20.0	6906515	21.913	219.13	521.41
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6906515	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6906515	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	98429	20.0	6906515	0.324	3.24	18.95
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6906515	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6906515	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6906515	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6906515	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6906515	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6906515	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	174280	20.0	6906515	0.322	3.22	12.77
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6906515	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6906515	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6906515	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6906515	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6906515	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	1603624	20.0	6906515	6.105	61.05	180.28
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6906515	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	15588531	20.0	6906515	10.596	105.96	374.07
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6906515	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	212938	20.0	6906515	1.215	12.15	43.84
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6906515	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6906515	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6906515	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6906515	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	1141895	20.0	6906515	2.059	20.59	81.72
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6906515	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6906515	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9139037	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	1529875	20.0	9139037	2.603	26.03	105.54
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9139037	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	14553950	20.0	9139037	14.483	144.83	499.45
47	Benzene	14DFB	SA	78.1	0.984	12845900	20.0	9139037	7.145	71.45	228.53
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9139037	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9139037	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9139037	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	10748190	20.0	9139037	19.211	192.11	788.37
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9139037	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9139037	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9139037	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	1120636	20.0	9139037	1.684	16.84	90.64
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9139037	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9139037	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9139037	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9139037	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	19748899	20.0	9139037	11.855	118.55	447.15
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9139037	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9139037	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9139037	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	9139037	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9139037	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	3660379	20.0	9139037	5.452	54.52	255.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9139037	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9139037	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	1705993	20.0	9139037	2.259	22.59	153.41
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10063712	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10063712	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	17103583	20.0	10063712	8.547	85.47	371.77
75	m,p-Xylenes	d5CB	SA	106.2	0.842	16879758	20.0	10063712	9.964	99.64	433.40
76	Nonane	d5CB	SA	128.3	0.844	4018039	20.0	10063712	2.364	23.64	124.21
77	Styrene	d5CB	SA	104.2	0.617	415575	20.0	10063712	0.335	3.35	14.28
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10063712	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	6020291	20.0	10063712	3.478	34.78	151.28
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10063712	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10063712	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10063712	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10063712	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	1587219	20.0	10063712	0.918	9.18	45.20
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	2069752	20.0	10063712	1.074	10.74	52.85
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	942329	20.0	10063712	0.455	4.55	22.41
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10063712	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10063712	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	915475	20.0	10063712	0.431	4.31	21.20
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10063712	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10063712	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10063712	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	3625720	20.0	10063712	1.396	13.96	76.73
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10063712	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10063712	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10063712	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10063712	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10063712	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10063712	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10063712	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10063712	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10063712	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	15018665	20.0	10063712	21.695	216.95	586.87
1	Pentafluorobenzene		IS			6906515	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9139037	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10063712	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5665511	5.0		2.754	110.16	110

File : C:\MSCHEM\1\DATA\08106B_3\2614455A.D
Operator : SW
Acquired : 10 Aug 126 8:42 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-413
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 56

Client ID T-414

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 56

File Name: C08036G.D
Description: T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.93	0.69	1.72	1.61	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	4.09	4.76	5.71	9.72	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.68	4.48	6.40	5.36	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 56

File Name: C08036G.D
Description T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	250.27	2.71	3.25	676.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 56

File Name: C08036G.D
Description T-414
Canister: 738
QC_Batch: 080326-MA1

Date Sampled: 7/23/2026 **Time:** 11:19
Date Analyzed: 8/3/2026 **Time:** 11:34
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	56		
File Name:	C08036G.D	**Method:**	TO-15	**Date Sampled:**	7/23/2026	**Time:**	11:19
Sample ID:	T-414	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/3/2026	**Time:**	11:34
Anal Date:	3 Aug 126 11:34 am	**SF:**	2	**QCbatch:**	080326-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	738		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.093	1.69	42.00	43883
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.558	1.91	85.00	21182
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	2726
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.409	4.13	58.00	90458
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.021	4.50	59.00	20719
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.017	4.33	57.00	19885
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.168	6.49	78.00	262339
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.038	8.92	91.00	54522
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.014	10.91	112.00	15636
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.010	10.94	106	15095
1330-20-7	m,p-Xylenes	75	SA	0.008	11.15	91.00	10422
111-84-2	Nonane	76	SA	0.014	10.86	57.00	18548
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	0.00	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.013	13.00	105.00	19339
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.004	13.12	105.00	6168
124-18-5	Decane	87	SA	0.009	12.85	57.00	17805
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.012	13.71	105.00	19775
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.004	13.87	105.00	9348
541-73-1	1,3-Dichlorobenzene	92	SA	0.015	14.19	146.00	16374
99-87-6	Isopropyltoluene	93	SA	0.008	14.10	119.00	15311
100-44-7	Benzyl chloride	94	SA	0.012	13.31	91.00	15800

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.013	14.34	146.00	15427
104-51-8	n-Butylbenzene	96	SA	0.011	14.76	91.00	38819
95-50-1	1,2-Dichlorobenzene	97	SA	0.025	15.01	146.00	33481
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	25.027	1.79	51.00	13055830
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5479614**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7959336**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7583893**
2037-26-5	Toluene-d8	61	SURR	2.222	8.85	98.00	**3981054**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 56
File Name: C08036G.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 738
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.09	0.93	1.61	0.93	1.61	1.61	1.61	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	-4.56	-45.58	-319.01	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.41	4.09	9.72	4.09	9.72	9.72	9.72	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.02	0.21	0.64	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.02	0.17	0.60	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.17	1.68	5.36	1.68	5.36	5.36	5.36	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.04	0.38	1.42	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.01	0.14	0.66	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.01	0.10	0.44	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.01	0.08	0.36	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.01	0.14	0.76	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.01	0.13	0.66	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.04	0.19	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.01	0.09	0.54	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.01	0.12	0.61	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.04	0.22	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.02	0.15	0.91	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.01	0.08	0.43	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.01	0.12	0.64	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.01	0.13	0.80	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.01	0.11	0.63	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.02	0.25	1.50	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	25.03	250.27	676.99	250.27	676.99	676.99	676.99	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.22	89	89	89	89	89	89	2.5	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J	=		Y	Y	0.93	1.61
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
	=		Y	Y	4.09	9.72
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**56**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = (Raw Amt) $\frac{1000}{(SV)}$ (CDF)

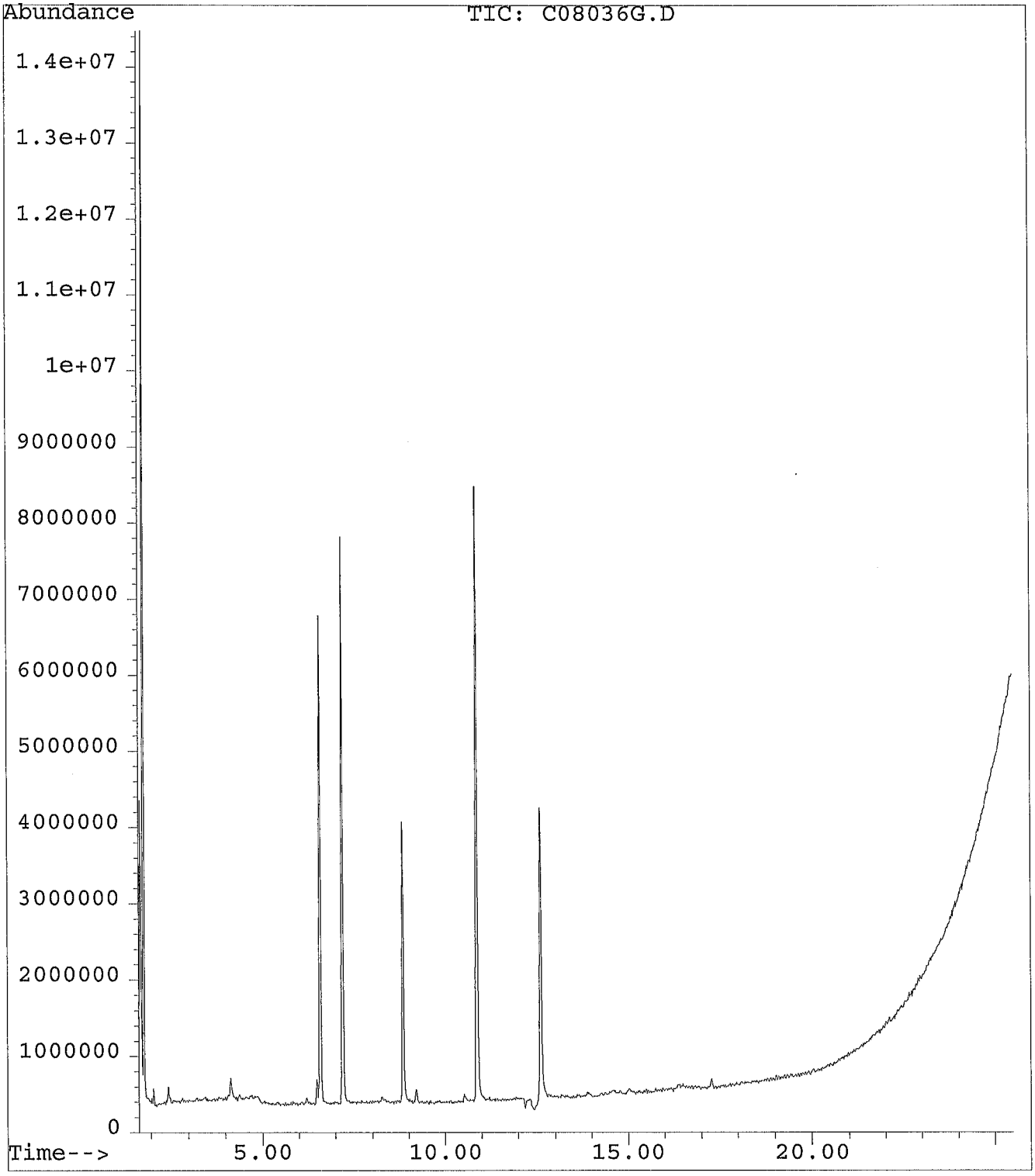
4) Amount ug/m3 = (amt(ppbv) $\frac{MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Als	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	43883	20.0	5479614	0.093	0.93	1.61
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5479614	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	5479614	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	5479614	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	21182	20.0	5479614	-4.558	-45.58	-319.01
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5479614	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5479614	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	2726	20.0	5479614	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5479614	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	5479614	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	5479614	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5479614	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	90458	20.0	5479614	0.409	4.09	9.72
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5479614	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	20719	20.0	5479614	0.021	0.21	0.64
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5479614	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5479614	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5479614	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5479614	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5479614	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5479614	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5479614	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5479614	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5479614	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5479614	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5479614	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5479614	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5479614	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	5479614	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5479614	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	19885	20.0	5479614	0.017	0.17	0.60
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5479614	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5479614	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5479614	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5479614	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5479614	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5479614	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5479614	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5479614	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5479614	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7959336	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7959336	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7959336	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7959336	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	262339	20.0	7959336	0.168	1.68	5.36
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7959336	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7959336	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7959336	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7959336	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7959336	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7959336	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7959336	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7959336	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7959336	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7959336	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7959336	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7959336	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	54522	20.0	7959336	0.038	0.38	1.42
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7959336	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7959336	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7959336	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7959336	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7959336	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7959336	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7959336	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7959336	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7959336	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	15636	20.0	7583893	0.014	0.14	0.66
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7583893	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	15095	20.0	7583893	0.010	0.10	0.44
75	m,p-Xylenes	d5CB	SA	106.2	0.842	10422	20.0	7583893	0.008	0.08	0.36
76	Nonane	d5CB	SA	128.3	0.844	18548	20.0	7583893	0.014	0.14	0.76
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7583893	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7583893	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7583893	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7583893	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7583893	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7583893	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7583893	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7583893	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	19339	20.0	7583893	0.013	0.13	0.66
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	6168	20.0	7583893	0.004	0.04	0.19
87	Decane	d5CB	SA	142.3	1.258	17805	20.0	7583893	0.009	0.09	0.54
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7583893	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	19775	20.0	7583893	0.012	0.12	0.61
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7583893	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	9348	20.0	7583893	0.004	0.04	0.22
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	16374	20.0	7583893	0.015	0.15	0.91
93	Isopropyltoluene	d5CB	SA	134.2	1.290	15311	20.0	7583893	0.008	0.08	0.43
94	Benzyl chloride	d5CB	SA	126.6	0.842	15800	20.0	7583893	0.012	0.12	0.64
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	15427	20.0	7583893	0.013	0.13	0.80
96	n-Butylbenzene	d5CB	SA	134.2	2.233	38819	20.0	7583893	0.011	0.11	0.63
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	33481	20.0	7583893	0.025	0.25	1.50
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7583893	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7583893	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7583893	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7583893	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7583893	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13055830	20.0	7583893	25.027	250.27	676.99
1	Pentafluorobenzene		IS			5479614	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7959336	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7583893	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3981054	5.0		2.222	88.88	89

File : C:\MSCHEM\1\DATA\08036B_3\C08036G.D
Operator : KL
Acquired : 3 Aug 126 11:34 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-414
Misc Info :
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 57

Client ID T-501

Analytical Method TO-15

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Analytical Report
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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description: T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.04	0.69	1.72	1.79	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	3.23	2.62	3.15	4.23	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	33.01	3.78	24.24	62.32	
107-02-8	Acrolein	0.40	1.20	2.11	0.92	2.76	4.84	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.66	4.76	5.71	15.85	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	41.24	0.54	5.38	221.95	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	137.15	2.71	3.25	370.99	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 57

File Name: 2614457A.D
Description T-501
Canister: 895
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 13:55
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614457A.D			**SDG:**	226144		
Sample ID:	T-501			**EAS ID:**	57		
MiscInfo-Vol:	SCHMIDT	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	9:22
Anal Date:	11 Aug 126 1:55 pm	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	13:55
Run Method:	B1563_C.M	**SF:**	2	**QCbatch:**	081126-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**MDLSF:**	2	**Volume:**	100.0		
Instrument:	5970 - MS	**Type:**	SA	**Can (Vial) No:**	895		
Analyst:	KL	**Instrument:**	MA1	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**EDD SURR:**	PERCENT	**SamType:**	SA		
Temp	24.5	**UnitDil:**	1000	PPBV			
		MDL FAC	0.4	UG/M3			
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.104	1.69	42.00	62015
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.323	2.49	31.00	178082
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	3.301	3.39	46.00	451836
107-02-8	Acrolein	12	SA	0.211	3.75	56.00	35527
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.666	4.13	58.00	187290
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	0
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.114	6.49	78.00	243149
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	4.124	6.49	130.00	3246992
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	0
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.81	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.715	1.81	51.00	9287331
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6956892**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10813955**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9844538**
2037-26-5	Toluene-d8	61	SURR	2.373	8.85	98.00	**5776122**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 57
File Name: 2614457A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 895
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.10	1.04	1.79	1.04	1.79	1.79	1.79	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.32	3.23	4.23	3.23	4.23	4.23	4.23	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	3.30	33.01	62.32	33.01	62.32	62.32	62.32	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.21	2.11	4.84	2.11	4.84	4.84	4.84	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.67	6.66	15.85	6.66	15.85	15.85	15.85	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.11	1.14	3.66	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	4.12	41.24	221.95	41.24	221.95	221.95	221.95	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.71	137.15	370.99	137.15	370.99	370.99	370.99	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.37	95	95	95	95	95	95	95	2.5	2.5	
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.04	1.79
ND		ND		Y	0.00	0.00
		=		Y	3.23	4.23
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	33.01	62.32
		=		Y	2.11	4.84
ND		ND		Y	0.00	0.00
		=		Y	6.66	15.85
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**57**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = Cn

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

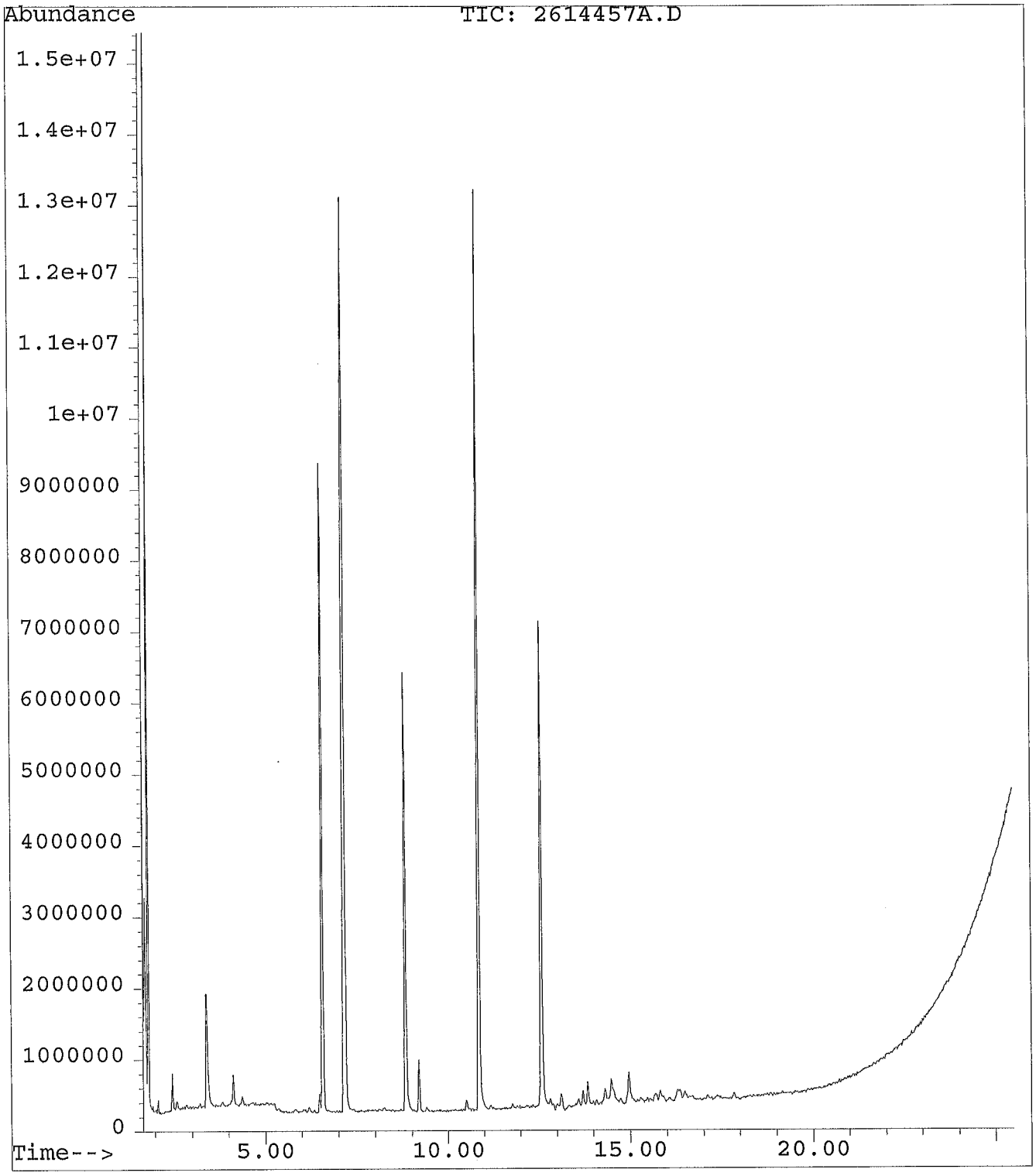
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	62015	20.0	6956892	0.104	1.04	1.79
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6956892	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	178082	20.0	6956892	0.323	3.23	4.23
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	6956892	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6956892	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6956892	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6956892	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6956892	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6956892	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	451836	20.0	6956892	3.301	33.01	62.32
12	Acrolein	PFB	SA	56.1	0.121	35527	20.0	6956892	0.211	2.11	4.84
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6956892	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	187290	20.0	6956892	0.666	6.66	15.85
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6956892	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6956892	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	6956892	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6956892	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6956892	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6956892	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6956892	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6956892	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6956892	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6956892	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6956892	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6956892	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6956892	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6956892	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6956892	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6956892	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6956892	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6956892	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6956892	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6956892	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6956892	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6956892	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6956892	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6956892	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6956892	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6956892	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6956892	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10813955	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10813955	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10813955	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10813955	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	243149	20.0	10813955	0.114	1.14	3.66
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10813955	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10813955	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10813955	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10813955	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10813955	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10813955	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10813955	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	3246992	20.0	10813955	4.124	41.24	221.95
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10813955	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10813955	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10813955	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10813955	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10813955	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10813955	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10813955	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10813955	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	10813955	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10813955	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10813955	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10813955	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10813955	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10813955	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9844538	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9844538	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9844538	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	9844538	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9844538	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9844538	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9844538	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9844538	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9844538	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9844538	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9844538	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9844538	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9844538	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9844538	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9844538	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9844538	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9844538	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9844538	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9844538	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9844538	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9844538	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	9844538	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9844538	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9844538	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9844538	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9844538	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9844538	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9844538	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9844538	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9844538	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9844538	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9287331	20.0	9844538	13.715	137.15	370.99
1	Pentafluorobenzene		IS			6956892	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10813955	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9844538	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5776122	5.0		2.373	94.92	95

File : C:\MSCHEM\1\DATA\08116B_3\2614457A.D
Operator : KL
Acquired : 11 Aug 126 1:55 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-501
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **58**

Client ID T-502

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description: T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.24	0.69	1.72	2.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.55	2.62	3.15	5.96	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	54.45	3.78	24.24	102.80	
107-02-8	Acrolein	0.40	1.20	1.41	0.92	2.76	3.23	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.67	4.76	5.71	20.62	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	52.85	0.54	5.38	284.42	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	141.48	2.71	3.25	382.72	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 58

File Name: 2614458A.D
Description T-502
Canister: 728
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:22
Date Analyzed: 8/11/2026 **Time:** 14:31
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	2614458A.D			**SDG:**	226144		
Sample ID:	T-502			**EAS ID:**	58		
MiscInfo-Vol:	SCHMIDT	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	9:22
Anal Date:	11 Aug 126 2:31 pm	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
Quant Method:	B15CS3_C.M	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	14:31
Run Method:	B1563_C.M	**SF:**	2	**QCbatch:**	081126-MA1		
Cal Update:	Fri Aug 07 13:09:23 2026	**MDLSF:**	2	**Volume:**	100.0		
Instrument:	5970 - MS	**Type:**	SA	**Can (Vial) No:**	728		
Analyst:	KL	**Instrument:**	MA1	**Can Factor:**	1.00		
Template:	B15CHIQ.MA1	**EDD SURR:**	PERCENT	**SamType:**	SA		
Temp	24.5	**UnitDil:**	1000	PPBV			
		MDL FAC	0.4	UG/M3			
		EFLAG:	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.124	1.69	42.00	72873
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.455	2.49	31.00	246776
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	5.445	3.39	46.00	732703
107-02-8	Acrolein	12	SA	0.141	3.75	56.00	23320
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.867	4.13	58.00	239468
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.135	6.49	78.00	285393
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	5.285	6.49	130.00	4143754
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.89	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.148	1.83	51.00	9602829
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6839169**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10769492**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9867005**
2037-26-5	Toluene-d8	61	SURR	2.340	8.85	98.00	**5671616**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 58
File Name: 2614458A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 728
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.12	1.24	2.14	1.24	2.14	2.14	2.14	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.45	4.55	5.96	4.55	5.96	5.96	5.96	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	5.44	54.45	102.80	54.45	102.80	102.80	102.80	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.14	1.41	3.23	1.41	3.23	3.23	3.23	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.87	8.67	20.62	8.67	20.62	20.62	20.62	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.35	4.31	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	5.29	52.85	284.42	52.85	284.42	284.42	284.42	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.15	141.48	382.72	141.48	382.72	382.72	382.72	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.24	2.14
ND		ND		Y	0.00	0.00
		=		Y	4.55	5.96
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	54.45	102.80
		=		Y	1.41	3.23
ND		ND		Y	0.00	0.00
		=		Y	8.67	20.62
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**58**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

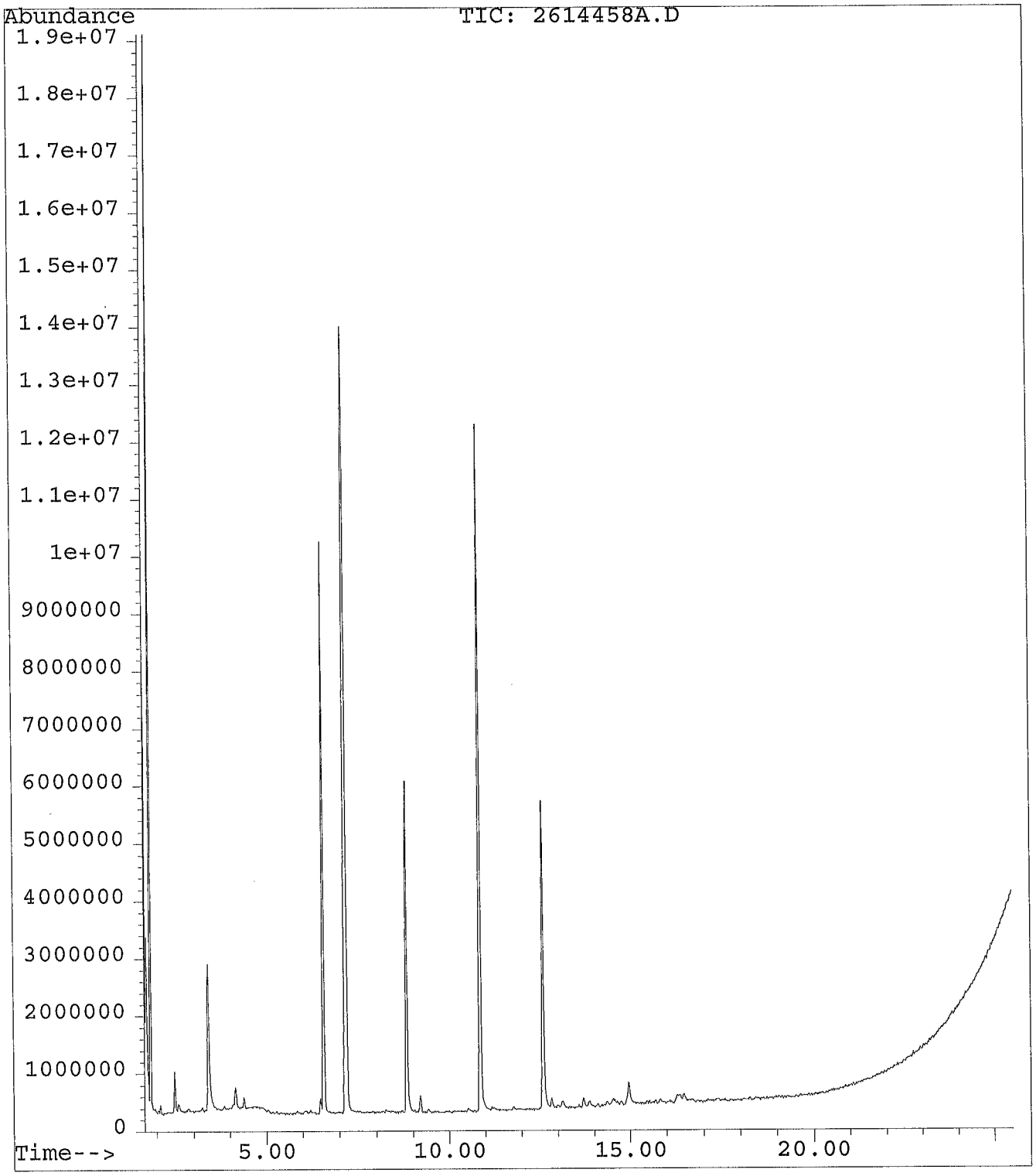
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	72873	20.0	6839169	0.124	1.24	2.14
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6839169	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	246776	20.0	6839169	0.455	4.55	5.96
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	6839169	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6839169	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6839169	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6839169	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6839169	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6839169	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	732703	20.0	6839169	5.445	54.45	102.80
12	Acrolein	PFB	SA	56.1	0.121	23320	20.0	6839169	0.141	1.41	3.23
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6839169	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	239468	20.0	6839169	0.867	8.67	20.62
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6839169	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6839169	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6839169	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6839169	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6839169	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6839169	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6839169	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6839169	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6839169	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6839169	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6839169	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6839169	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6839169	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6839169	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6839169	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6839169	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6839169	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6839169	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6839169	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6839169	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6839169	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6839169	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6839169	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6839169	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6839169	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6839169	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6839169	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10769492	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10769492	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10769492	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10769492	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	285393	20.0	10769492	0.135	1.35	4.31
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10769492	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10769492	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10769492	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10769492	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10769492	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10769492	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10769492	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	4143754	20.0	10769492	5.285	52.85	284.42
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10769492	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10769492	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10769492	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10769492	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10769492	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10769492	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10769492	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10769492	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	10769492	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10769492	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10769492	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10769492	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10769492	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10769492	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9867005	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9867005	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9867005	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	9867005	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9867005	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9867005	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9867005	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9867005	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9867005	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9867005	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9867005	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9867005	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9867005	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9867005	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9867005	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9867005	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9867005	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9867005	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9867005	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9867005	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9867005	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	9867005	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9867005	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9867005	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9867005	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9867005	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9867005	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9867005	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9867005	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9867005	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9867005	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9602829	20.0	9867005	14.148	141.48	382.72
1	Pentafluorobenzene		IS			6839169	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10769492	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9867005	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5671616	5.0		2.340	93.58	94

File : C:\MSCHEM\1\DATA\08116B_3\2614458A.D
Operator : KL
Acquired : 11 Aug 126 2:31 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-502
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 59

Client ID T-503

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description: T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.82	0.69	1.72	3.14	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	19.04	2.62	3.15	24.96	
74-87-3	Chloromethane	0.60	1.00	1.44	1.24	2.07	2.99	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	22.11	3.78	24.24	41.74	
107-02-8	Acrolein	0.40	1.20	4.57	0.92	2.76	10.49	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	15.23	4.76	5.71	36.24	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.09	1.18	3.54	6.17	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.10	4.48	6.40	6.71	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	0.94	0.54	5.38	5.03	J
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.36	1.64	13.13	9.67	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	102	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	194.65	2.71	3.25	526.53	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 59

File Name: 2614459A.D
Description T-503
Canister: 858
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:29
Date Analyzed: 8/11/2026 **Time:** 17:01
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	59		
File Name:	2614459A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	9:29
Sample ID:	T-503	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	17:01
Anal Date:	11 Aug 126 5:01 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	858		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.182	1.69	42.00	69651
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.904	2.49	31.00	672315
74-87-3	Chloromethane	5	SA	0.144	2.03	50.00	89842
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.211	3.39	46.00	193637
107-02-8	Acrolein	12	SA	0.457	3.75	56.00	49274
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.523	4.13	58.00	273940
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.209	6.18	72.00	35378
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.210	6.49	78.00	258428
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.094	6.49	130.00	42595
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.236	10.50	58.00	164051
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.81	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	19.465	1.86	51.00	9806375
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4451262**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6257347**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7324097**
2037-26-5	Toluene-d8	61	SURR	2.560	8.85	98.00	**3605942**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 59
File Name: 2614459A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 858
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.18	1.82	3.14	1.82	3.14	3.14	3.14	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.90	19.04	24.96	19.04	24.96	24.96	24.96	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.14	1.44	2.99	1.44	2.99	2.99	2.99	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.21	22.11	41.74	22.11	41.74	41.74	41.74	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.46	4.57	10.49	4.57	10.49	10.49	10.49	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.52	15.23	36.24	15.23	36.24	36.24	36.24	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.21	2.09	6.17	2.09	6.17	6.17	6.17	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.21	2.10	6.71	2.10	6.71	6.71	6.71	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.09	0.94	5.03	0.94	5.03	5.03	5.03	0.025	0.250	0.10	0.54	1.00	5.38	J
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.24	2.36	9.67	2.36	9.67	9.67	9.67	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	19.46	194.65	526.53	194.65	526.53	526.53	526.53	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	2.56	102	102	102	102	102	102	102	2.5	2.5
	0										
	0										

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.82	3.14
ND		ND		Y	0.00	0.00
		=		Y	19.04	24.96
		=		Y	1.44	2.99
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	22.11	41.74
		=		Y	4.57	10.49
ND		ND		Y	0.00	0.00
		=		Y	15.23	36.24
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

| | | |

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**59**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|\left|\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}(CDF)$

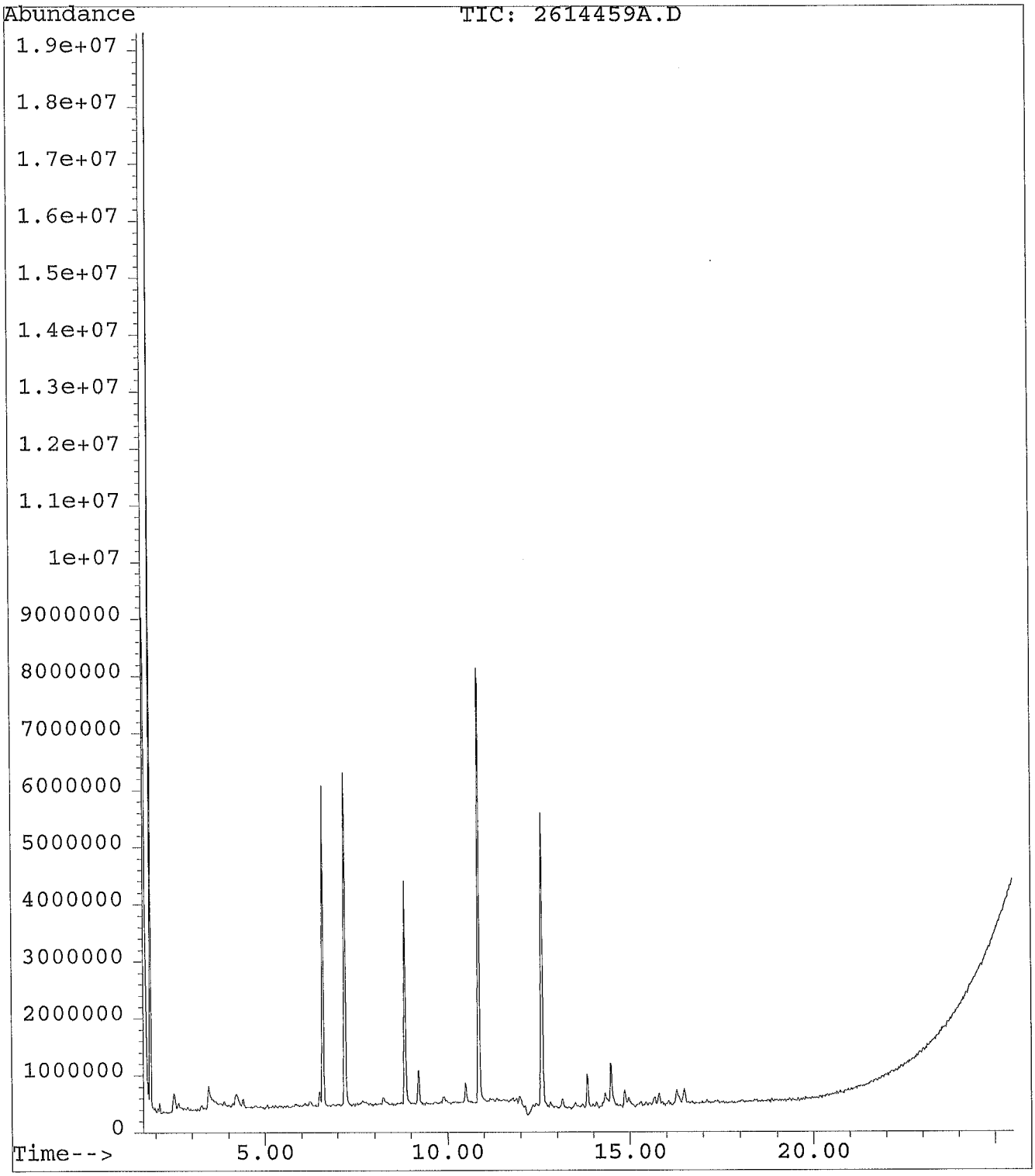
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	69651	20.0	4451262	0.182	1.82	3.14
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4451262	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	672315	20.0	4451262	1.904	19.04	24.96
5	Chloromethane	PFB	SA	50.5	0.699	89842	20.0	4451262	0.144	1.44	2.99
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4451262	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4451262	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4451262	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4451262	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4451262	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	193637	20.0	4451262	2.211	22.11	41.74
12	Acrolein	PFB	SA	56.1	0.121	49274	20.0	4451262	0.457	4.57	10.49
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4451262	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	273940	20.0	4451262	1.523	15.23	36.24
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4451262	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4451262	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4451262	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4451262	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4451262	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4451262	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4451262	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4451262	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4451262	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4451262	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4451262	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4451262	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4451262	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4451262	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4451262	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	35378	20.0	4451262	0.209	2.09	6.17
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4451262	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4451262	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4451262	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4451262	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4451262	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4451262	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4451262	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4451262	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4451262	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4451262	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4451262	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	6257347	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	6257347	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	6257347	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	6257347	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	258428	20.0	6257347	0.210	2.10	6.71
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	6257347	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	6257347	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	6257347	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	6257347	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	6257347	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	6257347	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	6257347	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	42595	20.0	6257347	0.094	0.94	5.03
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	6257347	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	6257347	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	6257347	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	6257347	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	6257347	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	6257347	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	6257347	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	6257347	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	164051	20.0	6257347	0.236	2.36	9.67
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	6257347	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	6257347	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	6257347	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	6257347	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	6257347	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7324097	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7324097	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7324097	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	7324097	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7324097	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7324097	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7324097	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7324097	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7324097	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7324097	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7324097	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7324097	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7324097	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7324097	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7324097	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7324097	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7324097	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7324097	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7324097	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7324097	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7324097	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7324097	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7324097	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7324097	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7324097	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7324097	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7324097	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7324097	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7324097	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7324097	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7324097	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9806375	20.0	7324097	19.465	194.65	526.53
1	Pentafluorobenzene		IS			4451262	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6257347	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7324097	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3605942	5.0		2.560	102.40	102

File : C:\MSCHEM\1\DATA\08116B_3\2614459A.D
Operator : SW
Acquired : 11 Aug 126 5:01 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-503
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144
Lab Id Number 60

Client ID T-504

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 60

File Name: 2614460A.D
Description: T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	21.67	0.69	1.72	37.34	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	20.82	2.62	3.15	27.28	
74-87-3	Chloromethane	0.60	1.00	4.37	1.24	2.07	9.05	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.88	1.55	3.89	7.29	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	19.96	3.78	24.24	37.68	
107-02-8	Acrolein	0.40	1.20	10.00	0.92	2.76	22.97	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	45.25	4.76	5.71	107.66	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.59	1.97	12.31	3.93	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.20	2.34	7.02	12.90	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	1.24	0.70	3.48	4.30	
75-15-0	Carbon disulfide	0.40	1.00	15.72	1.25	3.12	48.98	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	19.25	1.18	3.54	56.84	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	3.14	1.41	3.53	11.10	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	10.33	0.59	3.54	30.49	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	3.69	0.69	3.45	12.74	
71-43-2	Benzene	1.40	2.00	3.72	4.48	6.40	11.89	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	1.00	0.54	5.38	5.36	J
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.32	3.02	3.77	4.97	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	13.41	1.64	13.13	55.04	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	1.26	0.68	6.79	8.55	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	0.87	1.74	4.35	3.79	J
1330-20-7	m,p-Xylenes	0.40	1.00	1.46	1.74	4.35	6.37	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	1.03	1.74	4.35	4.47	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	4.33	4.40	13.19	23.80	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery		QC Limits		
		% Rec.	LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 60

File Name: 2614460A.D
Description T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	170.53	2.71	3.25	461.30	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 60

File Name: 2614460A.D
Description T-504
Canister: 556
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 09:21
Date Analyzed: 8/11/2026 **Time:** 17:36
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1 BUTANE	7.00	15.00	18.60	28.67	61.43	76.18
UNKNOWN SILOXANE	7.00	15.00	75.00	28.67	61.43	307.16
2-HEPTANONE, 6-METHYL	7.00	15.00	37.10	28.67	61.43	151.94

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**226144**		
				EAS ID:	**60**		
File Name:	2614460A.D	**Method:**	**TO-15**	**Date Sampled:**	**7/24/2026**	**Time:**	**9:21**
Sample ID:	T-504	**Matrix:**	**AA**	**Date Received:**	**7/24/2026**	**Time:**	**16:10**
MiscInfo-Vol:	SCHMIDT	**Detect:**	**ND**	**Date Analyzed:**	**8/11/2026**	**Time:**	**17:36**
Anal Date:	11 Aug 126 5:36 pm	**SF:**	**2**	**QCbatch:**	**081126-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**100.0**		
Run Method:	B1563_C.M	**Type:**	**SA**	**Can (Vial) No:**	**556**		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**SA**		
Analyst:	SW	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.5**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	2.167	1.69	42.00	899489
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	2.082	2.49	31.00	798728
74-87-3	Chloromethane	5	SA	0.437	2.03	50.00	295692
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.188	2.44	94.00	60006
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.996	3.39	46.00	189975
107-02-8	Acrolein	12	SA	1.000	3.75	56.00	117271
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	4.525	4.13	58.00	884489
67-63-0	2-propanol (isopropylalcohc	15	SA	0.159	3.99	45.00	143111
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.220	3.51	142.00	25433
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.124	4.03	84.00	36089
75-15-0	Carbon disulfide	23	SA	1.572	3.45	76.00	953616
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.925	6.18	72.00	354142
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.314	4.33	57.00	324014
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	1.033	6.18	72.00	187427
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.369	5.78	56.00	303409
71-43-2	Benzene	47	SA	0.372	6.49	78.00	546354
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.100	6.49	130.00	54222
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.132	8.92	91.00	179534
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	1.341	10.50	58.00	1114970
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.126	9.41	166.00	77737
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.087	10.94	106	126005
1330-20-7	m,p-Xylenes	75	SA	0.146	11.15	91.00	179069
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.103	11.75	91.00	128475
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.433	14.10	119.00	811857
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.053	1.85	51.00	8520637
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4837649**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7471661**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7263726**
2037-26-5	Toluene-d8	61	SURR	2.215	8.85	98.00	**3725917**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 60
File Name: 2614460A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 556
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	2.17	21.67	37.34	21.67	37.34	37.34	37.34	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	2.08	20.82	27.28	20.82	27.28	27.28	27.28	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.44	4.37	9.05	4.37	9.05	9.05	9.05	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.19	1.88	7.29	1.88	7.29	7.29	7.29	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.00	19.96	37.68	19.96	37.68	37.68	37.68	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	1.00	10.00	22.97	10.00	22.97	22.97	22.97	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	4.52	45.25	107.66	45.25	107.66	107.66	107.66	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.16	1.59	3.93	1.59	3.93	3.93	3.93	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.22	2.20	12.90	2.20	12.90	12.90	12.90	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.12	1.24	4.30	1.24	4.30	4.30	4.30	0.050	0.250	0.20	0.70	1.00	3.48	
Carbon disulfide	76.1	1.57	15.72	48.98	15.72	48.98	48.98	48.98	0.100	0.250	0.40	1.25	1.00	3.12	

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.92	19.25	56.84	19.25	56.84	56.84	56.84	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.31	3.14	11.10	3.14	11.10	11.10	11.10	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	1.03	10.33	30.49	10.33	30.49	30.49	30.49	0.050	0.300	0.20	0.59	1.20	3.54	
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.37	3.69	12.74	3.69	12.74	12.74	12.74	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.37	3.72	11.89	3.72	11.89	11.89	11.89	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.10	1.00	5.36	1.00	5.36	5.36	5.36	0.025	0.250	0.10	0.54	1.00	5.38	J
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.13	1.32	4.97	1.32	4.97	4.97	4.97	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	1.34	13.41	55.04	13.41	55.04	55.04	55.04	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.13	1.26	8.55	1.26	8.55	8.55	8.55	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.09	0.87	3.79	0.87	3.79	3.79	3.79	0.100	0.250	0.40	1.74	1.00	4.35	J
m,p-Xylenes	106.2	0.15	1.46	6.37	1.46	6.37	6.37	6.37	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.10	1.03	4.47	1.03	4.47	4.47	4.47	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.43	4.33	23.80	4.33	23.80	23.80	23.80	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.05	170.53	461.30	170.53	461.30	461.30	461.30	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.22	89	89	89	89	89	89	89	89	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	21.67	37.34
ND		ND		Y	0.00	0.00
		=		Y	20.82	27.28
		=		Y	4.37	9.05
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.88	7.29
ND		ND		Y	0.00	0.00
		=		Y	19.96	37.68
		=		Y	10.00	22.97
ND		ND		Y	0.00	0.00
		=		Y	45.25	107.66
J		=		Y	1.59	3.93
ND		ND		Y	0.00	0.00
		=		Y	2.20	12.90
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.24	4.30
		=		Y	15.72	48.98

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	19.25	56.84
ND	ND	Y	0.00	0.00
	=	Y	3.14	11.10
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	10.33	30.49
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.69	12.74
	=	Y	3.72	11.89
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.00	5.36
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.32	4.97
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	13.41	55.04

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.26	8.55
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.87	3.79
	=	Y	1.46	6.37
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.03	4.47
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.33	23.80
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	170.53	461.30
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**60**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

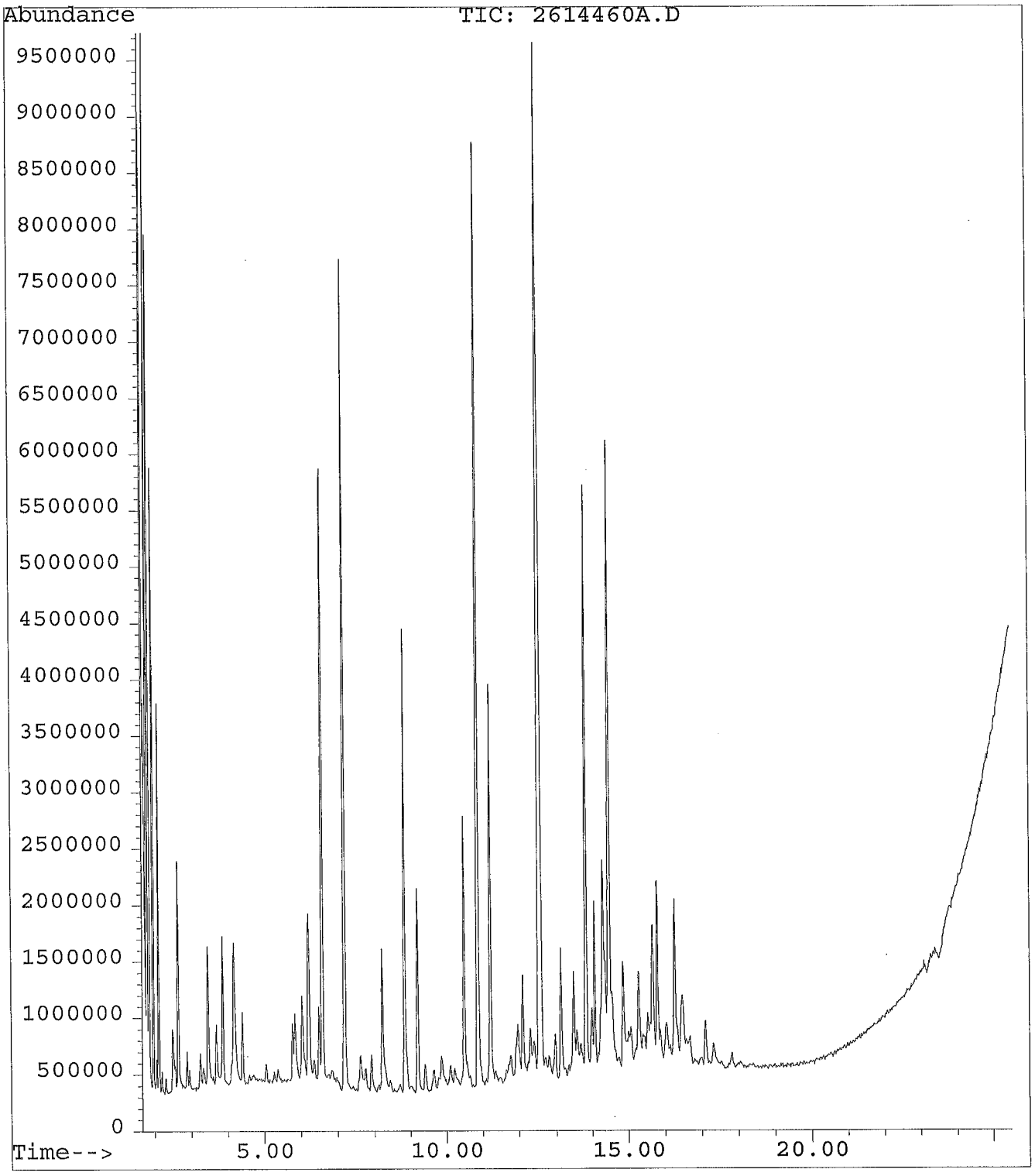
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	899489	20.0	4837649	2.167	21.67	37.34
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4837649	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	798728	20.0	4837649	2.082	20.82	27.28
5	Chloromethane	PFB	SA	50.5	0.699	295692	20.0	4837649	0.437	4.37	9.05
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4837649	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4837649	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4837649	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	60006	20.0	4837649	0.188	1.88	7.29
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4837649	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	189975	20.0	4837649	1.996	19.96	37.68
12	Acrolein	PFB	SA	56.1	0.121	117271	20.0	4837649	1.000	10.00	22.97
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4837649	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	884489	20.0	4837649	4.525	45.25	107.66
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	143111	20.0	4837649	0.159	1.59	3.93
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4837649	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	25433	20.0	4837649	0.220	2.20	12.90
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4837649	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4837649	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4837649	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4837649	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	36089	20.0	4837649	0.124	1.24	4.30
23	Carbon disulfide	PFB	SA	76.1	0.627	953616	20.0	4837649	1.572	15.72	48.98
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4837649	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4837649	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4837649	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4837649	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4837649	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4837649	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	354142	20.0	4837649	1.925	19.25	56.84
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4837649	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	324014	20.0	4837649	0.314	3.14	11.10
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4837649	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4837649	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4837649	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4837649	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	187427	20.0	4837649	1.033	10.33	30.49
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4837649	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4837649	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4837649	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4837649	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7471661	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7471661	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7471661	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	303409	20.0	7471661	0.369	3.69	12.74
47	Benzene	14DFB	SA	78.1	0.984	546354	20.0	7471661	0.372	3.72	11.89
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7471661	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7471661	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7471661	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7471661	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7471661	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7471661	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7471661	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	54222	20.0	7471661	0.100	1.00	5.36
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7471661	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7471661	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7471661	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7471661	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	179534	20.0	7471661	0.132	1.32	4.97
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7471661	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7471661	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7471661	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	1114970	20.0	7471661	1.341	13.41	55.04
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7471661	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7471661	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7471661	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7471661	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	77737	20.0	7471661	0.126	1.26	8.55
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7263726	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7263726	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	126005	20.0	7263726	0.087	0.87	3.79
75	m,p-Xylenes	d5CB	SA	106.2	0.842	179069	20.0	7263726	0.146	1.46	6.37
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7263726	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7263726	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7263726	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	128475	20.0	7263726	0.103	1.03	4.47
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7263726	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7263726	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7263726	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7263726	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7263726	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7263726	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7263726	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7263726	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7263726	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7263726	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7263726	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7263726	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7263726	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	811857	20.0	7263726	0.433	4.33	23.80
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7263726	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7263726	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7263726	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7263726	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7263726	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7263726	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7263726	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7263726	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7263726	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	8520637	20.0	7263726	17.053	170.53	461.30
1	Pentafluorobenzene		IS			4837649	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7471661	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7263726	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3725917	5.0		2.215	88.61	89

File : C:\MSCHEM\1\DATA\08116B_3\2614460A.D
Operator : SW
Acquired : 11 Aug 126 5:36 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-504
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **61**

Client ID T-505

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 61**

File Name: 2614461A.D **Date Sampled:** 7/24/2026 **Time:** 10:36
Description: T-505 **Date Analyzed:** 8/11/2026 **Time:** 18:22
Canister: 627 **Can Dilution Factor:** 1.00
QC_Batch: 081126-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.83	0.69	1.72	4.88	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	76.74	2.62	3.15	100.57	
74-87-3	Chloromethane	0.60	1.00	2.39	1.24	2.07	4.94	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	11.08	3.78	24.24	20.93	J
107-02-8	Acrolein	0.40	1.20	6.05	0.92	2.76	13.89	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	19.94	4.76	5.71	47.45	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	0.95	0.70	3.48	3.31	J
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.71	1.18	3.54	7.99	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	2.14	1.41	3.53	7.56	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.58	4.48	6.40	5.07	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	57.68	0.54	5.38	310.41	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.18	3.02	3.77	4.46	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 61

File Name: 2614461A.D
Description T-505
Canister: 627
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:36
Date Analyzed: 8/11/2026 **Time:** 18:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	139.23	2.71	3.25	376.64	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 61

File Name: 2614461A.D
Description T-505
Canister: 627
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:36
Date Analyzed: 8/11/2026 **Time:** 18:22
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-HEXANOL, 2-ETHYL-	7.00	15.00	23.70	28.67	61.43	97.06

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	61		
File Name:	2614461A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	10:36
Sample ID:	T-505	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	18:22
Anal Date:	11 Aug 126 6:22 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	627		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.283	1.69	42.00	161571
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	7.674	2.49	31.00	4047561
74-87-3	Chloromethane	5	SA	0.239	2.03	50.00	221976
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.108	3.39	46.00	145024
107-02-8	Acrolein	12	SA	0.605	3.75	56.00	97505
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.994	4.13	58.00	535816
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.095	4.03	84.00	38236
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.271	6.18	72.00	68461
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.214	4.33	57.00	303392
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.158	6.49	78.00	303387
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	5.768	6.49	130.00	4088919
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.118	8.92	91.00	209982
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.81	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.111	17.42	180.00	35907
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.923	1.86	51.00	9680288
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6649657**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9737346**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10107278**
2037-26-5	Toluene-d8	61	SURR	2.458	8.85	98.00	**5388561**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 61
File Name: 2614461A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 627
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.28	2.83	4.88	2.83	4.88	4.88	4.88	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	7.67	76.74	100.57	76.74	100.57	100.57	100.57	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.24	2.39	4.94	2.39	4.94	4.94	4.94	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.11	11.08	20.93	11.08	20.93	20.93	20.93	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.60	6.05	13.89	6.05	13.89	13.89	13.89	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.99	19.94	47.45	19.94	47.45	47.45	47.45	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.10	0.95	3.31	0.95	3.31	3.31	3.31	0.050	0.250	0.20	0.70	1.00	3.48	J
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.27	2.71	7.99	2.71	7.99	7.99	7.99	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.21	2.14	7.56	2.14	7.56	7.56	7.56	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.16	1.58	5.07	1.58	5.07	5.07	5.07	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	5.77	57.68	310.41	57.68	310.41	310.41	310.41	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.12	1.18	4.46	1.18	4.46	4.46	4.46	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.11	1.11	8.26	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.92	139.23	376.64	139.23	376.64	376.64	376.64	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.46	98	98	98	98	98	98	2.5
										98	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.83	4.88
ND		ND		Y	0.00	0.00
		=		Y	76.74	100.57
		=		Y	2.39	4.94
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	11.08	20.93
		=		Y	6.05	13.89
ND		ND		Y	0.00	0.00
		=		Y	19.94	47.45
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	0.95	3.31
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.71	7.99
ND	ND	Y	0.00	0.00
	=	Y	2.14	7.56
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.58	5.07
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	57.68	310.41
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.18	4.46
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**61**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

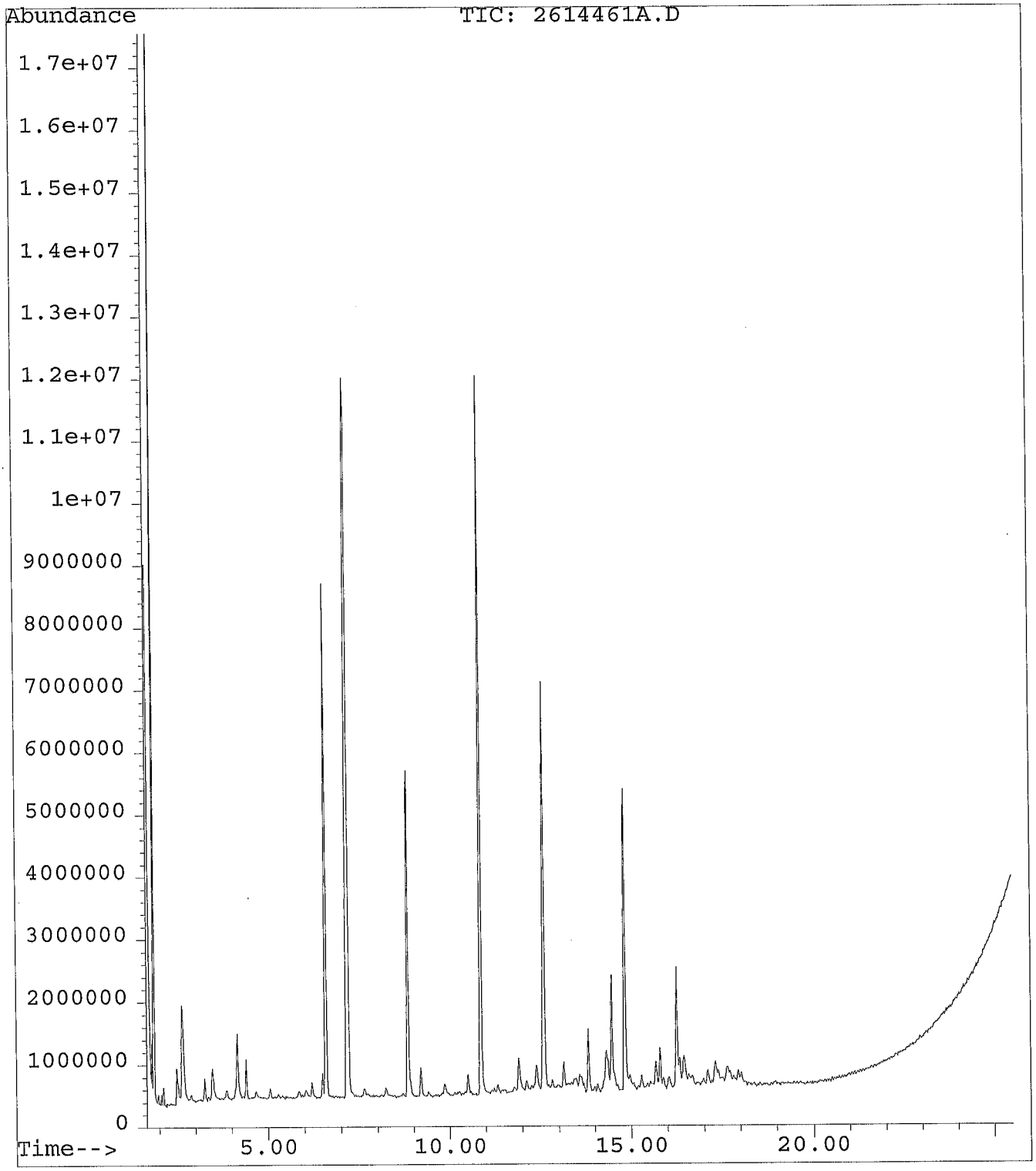
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	161571	20.0	6649657	0.283	2.83	4.88
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6649657	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	4047561	20.0	6649657	7.674	76.74	100.57
5	Chloromethane	PFB	SA	50.5	0.699	221976	20.0	6649657	0.239	2.39	4.94
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6649657	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6649657	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6649657	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6649657	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6649657	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	145024	20.0	6649657	1.108	11.08	20.93
12	Acrolein	PFB	SA	56.1	0.121	97505	20.0	6649657	0.605	6.05	13.89
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6649657	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	535816	20.0	6649657	1.994	19.94	47.45
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6649657	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6649657	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6649657	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6649657	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6649657	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6649657	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6649657	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	38236	20.0	6649657	0.095	0.95	3.31
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6649657	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6649657	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6649657	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6649657	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6649657	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6649657	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6649657	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	68461	20.0	6649657	0.271	2.71	7.99
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6649657	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	303392	20.0	6649657	0.214	2.14	7.56
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6649657	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6649657	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6649657	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6649657	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6649657	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6649657	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6649657	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6649657	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6649657	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9737346	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9737346	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9737346	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9737346	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	303387	20.0	9737346	0.158	1.58	5.07
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9737346	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9737346	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9737346	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9737346	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9737346	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9737346	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9737346	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	4088919	20.0	9737346	5.768	57.68	310.41
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9737346	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9737346	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9737346	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9737346	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	209982	20.0	9737346	0.118	1.18	4.46
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9737346	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9737346	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9737346	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	9737346	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9737346	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9737346	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9737346	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9737346	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9737346	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10107278	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10107278	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10107278	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10107278	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10107278	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10107278	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10107278	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10107278	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10107278	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10107278	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10107278	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10107278	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10107278	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10107278	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10107278	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10107278	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10107278	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10107278	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10107278	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10107278	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10107278	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10107278	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10107278	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10107278	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10107278	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10107278	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10107278	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10107278	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10107278	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	35907	20.0	10107278	0.111	1.11	8.26
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10107278	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9680288	20.0	10107278	13.923	139.23	376.64
1	Pentafluorobenzene		IS			6649657	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9737346	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10107278	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5388561	5.0		2.458	98.34	98

File : C:\MSCHEM\1\DATA\08116B_3\2614461A.D
Operator : SW
Acquired : 11 Aug 126 6:22 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-505
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **62**

Client ID T-506

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 62**

File Name: 2614462A.D **Date Sampled:** 7/24/2026 **Time:** 10:31
Description: T-506 **Date Analyzed:** 8/11/2026 **Time:** 20:01
Canister: 760 **Can Dilution Factor:** 1.00
QC_Batch: 081126-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.73	0.69	1.72	4.70	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	83.05	2.62	3.15	108.84	
74-87-3	Chloromethane	0.60	1.00	2.39	1.24	2.07	4.95	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	5.90	3.78	24.24	11.14	J
107-02-8	Acrolein	0.40	1.20	6.93	0.92	2.76	15.92	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	61.64	4.76	5.71	146.68	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	11.13	1.18	3.54	32.87	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.24	1.41	3.53	4.38	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	43.07	0.54	5.38	231.78	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	6.22	1.64	13.13	25.51	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 62

File Name: 2614462A.D
Description T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	134.82	2.71	3.25	364.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 62

File Name: 2614462A.D
Description T-506
Canister: 760
QC_Batch: 081126-MA1

Date Sampled: 7/24/2026 **Time:** 10:31
Date Analyzed: 8/11/2026 **Time:** 20:01
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-DECENE, 3,4-DIMETHYL	7.00	15.00	15.00	28.67	61.43	61.43

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	62		
File Name:	2614462A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	10:31
Sample ID:	T-506	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	20:01
Anal Date:	11 Aug 126 8:01 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	760		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.273	1.69	42.00	155112
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	8.305	2.49	31.00	4361844
74-87-3	Chloromethane	5	SA	0.239	2.03	50.00	221255
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.590	3.39	46.00	76912
107-02-8	Acrolein	12	SA	0.693	3.75	56.00	111243
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	6.164	4.13	58.00	1649471
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.113	6.18	72.00	280372
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.124	4.33	57.00	174905
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.126	6.49	78.00	241414
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	4.307	6.49	130.00	3058308
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.622	10.50	58.00	674688
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.72	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.116	17.42	180.00	41476
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.39	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.482	1.88	51.00	10378463
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6621833**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9753903**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11190894**
2037-26-5	Toluene-d8	61	SURR	2.525	8.85	98.00	**5543438**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 62
File Name: 2614462A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 760
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.27	2.73	4.70	2.73	4.70	4.70	4.70	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	8.30	83.05	108.84	83.05	108.84	108.84	108.84	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.24	2.39	4.95	2.39	4.95	4.95	4.95	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.59	5.90	11.14	5.90	11.14	11.14	11.14	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.69	6.93	15.92	6.93	15.92	15.92	15.92	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	6.16	61.64	146.68	61.64	146.68	146.68	146.68	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.11	11.13	32.87	11.13	32.87	32.87	32.87	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.12	1.24	4.38	1.24	4.38	4.38	4.38	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.26	4.02	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	4.31	43.07	231.78	43.07	231.78	231.78	231.78	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.62	6.22	25.51	6.22	25.51	25.51	25.51	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.12	1.16	8.62	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.48	134.82	364.70	134.82	364.70	364.70	364.70	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.52	101	101	101	101	101	101	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.73	4.70
ND		ND		Y	0.00	0.00
		=		Y	83.05	108.84
		=		Y	2.39	4.95
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	5.90	11.14
		=		Y	6.93	15.92
ND		ND		Y	0.00	0.00
		=		Y	61.64	146.68
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	11.13	32.87
ND	ND	Y	0.00	0.00
	=	Y	1.24	4.38
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	43.07	231.78
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	6.22	25.51

ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**62**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

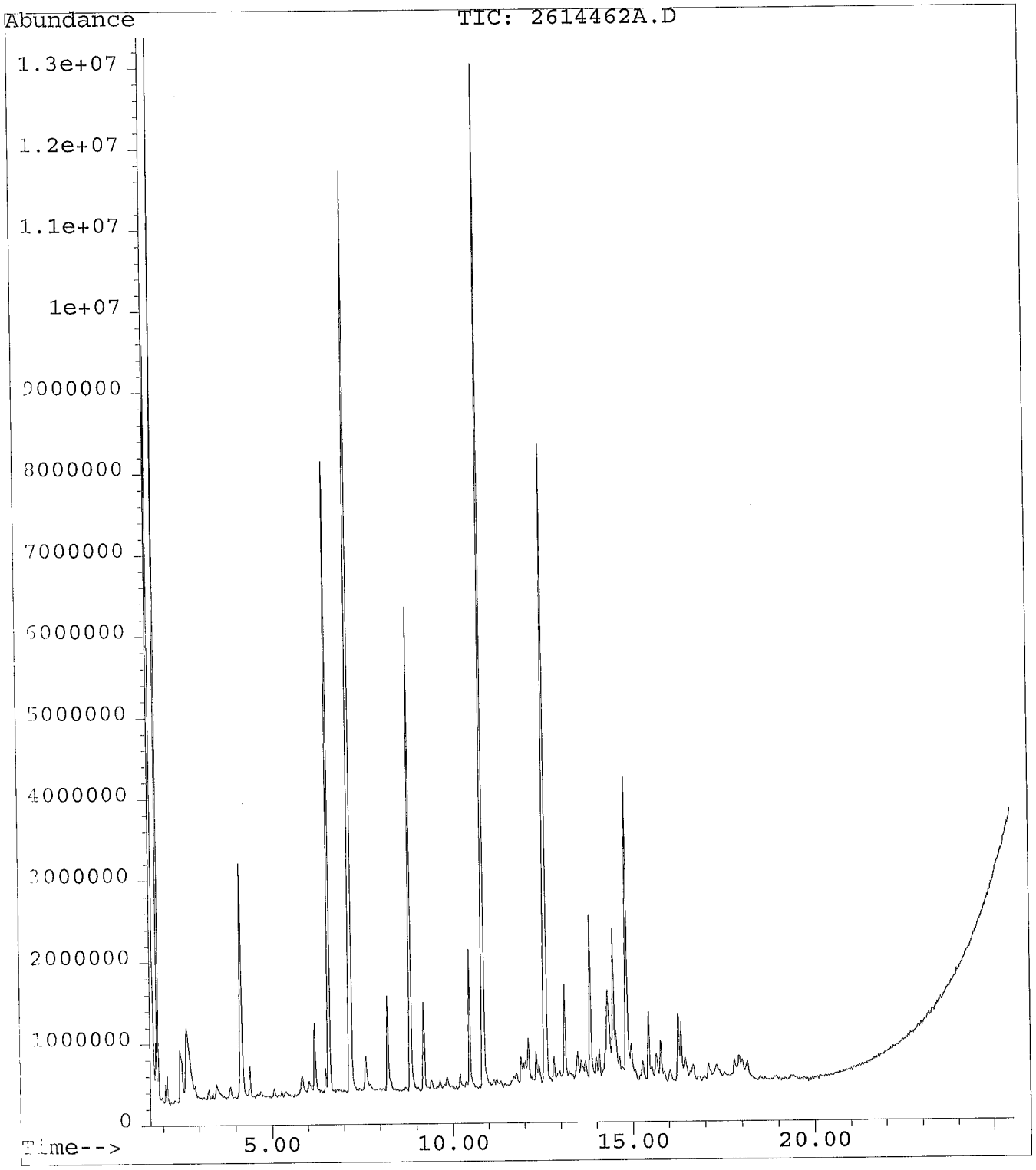
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	155112	20.0	6621833	0.273	2.73	4.70
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6621833	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	4361844	20.0	6621833	8.305	83.05	108.84
5	Chloromethane	PFB	SA	50.5	0.699	221255	20.0	6621833	0.239	2.39	4.95
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6621833	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6621833	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6621833	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6621833	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6621833	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	76912	20.0	6621833	0.590	5.90	11.14
12	Acrolein	PFB	SA	56.1	0.121	111243	20.0	6621833	0.693	6.93	15.92
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6621833	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	1649471	20.0	6621833	6.164	61.64	146.68
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6621833	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6621833	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6621833	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6621833	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6621833	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6621833	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6621833	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6621833	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6621833	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6621833	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6621833	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6621833	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6621833	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6621833	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6621833	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	280372	20.0	6621833	1.113	11.13	32.87
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6621833	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	174905	20.0	6621833	0.124	1.24	4.38
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6621833	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6621833	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6621833	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6621833	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6621833	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6621833	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6621833	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6621833	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6621833	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9753903	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9753903	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9753903	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9753903	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	241414	20.0	9753903	0.126	1.26	4.02
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9753903	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9753903	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9753903	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9753903	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9753903	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9753903	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9753903	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	3058308	20.0	9753903	4.307	43.07	231.78
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9753903	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9753903	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9753903	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9753903	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	9753903	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9753903	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9753903	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9753903	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	674688	20.0	9753903	0.622	6.22	25.51
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9753903	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9753903	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9753903	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9753903	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9753903	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11190894	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11190894	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	11190894	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	11190894	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	11190894	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	11190894	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11190894	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	11190894	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11190894	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11190894	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11190894	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	11190894	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	11190894	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	11190894	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	11190894	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	11190894	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11190894	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	11190894	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	11190894	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	11190894	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11190894	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	11190894	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11190894	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11190894	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	11190894	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11190894	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11190894	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	11190894	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	11190894	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	41476	20.0	11190894	0.116	1.16	8.62
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11190894	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10378463	20.0	11190894	13.482	134.82	364.70
1	Pentafluorobenzene		IS			6621833	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9753903	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11190894	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5543438	5.0		2.525	100.99	101

File : C:\MSCHEM\1\DATA\08116B_3\2614462A.D
Operator : SW
Acquired : 11 Aug 126 8:01 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-506
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **63**

Client ID T-507

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 63

File Name: 2614463A.D
Description: T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.52	0.69	1.72	7.79	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	130.38	2.62	3.15	170.87	
74-87-3	Chloromethane	0.60	1.00	2.96	1.24	2.07	6.12	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.93	1.55	3.89	7.50	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.08	3.78	24.24	28.48	
107-02-8	Acrolein	0.40	1.20	12.26	0.92	2.76	28.18	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	42.15	4.76	5.71	100.29	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.98	2.34	7.02	11.61	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	7.98	1.25	3.12	24.87	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.77	1.18	3.54	17.02	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	22.45	0.98	4.89	109.76	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	104	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 63

File Name: 2614463A.D
Description T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	156.92	2.71	3.25	424.48	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 63

File Name: 2614463A.D
Description T-507
Canister: 696
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:37
Date Analyzed: 8/12/2026 **Time:** 12:22
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
1-HEXANOL, 2-ETHYL	7.00	15.00	13.70	28.67	61.43	56.11

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	63		
File Name:	2614463A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	10:37
Sample ID:	T-507	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	12:22
Anal Date:	12 Aug 126 12:22 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	696		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.452	1.69	42.00	186445
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	13.038	2.49	31.00	4971333
74-87-3	Chloromethane	5	SA	0.296	2.03	50.00	198805
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.193	2.44	94.00	61319
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.508	3.39	46.00	142677
107-02-8	Acrolein	12	SA	1.226	3.75	56.00	142966
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	4.215	4.13	58.00	818762
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.198	3.51	142.00	15939
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.798	3.45	76.00	481059
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.577	6.18	72.00	105405
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	2.245	5.83	83.00	**1277231**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.137	6.49	78.00	194700
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.81	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	15.692	1.85	51.00	9113200
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4807245**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7235997**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8442759**
2037-26-5	Toluene-d8	61	SURR	2.606	8.85	98.00	**4244101**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 63
File Name: 2614463A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 696
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.45	4.52	7.79	4.52	7.79	7.79	7.79	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	13.04	130.38	170.87	130.38	170.87	170.87	170.87	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.30	2.96	6.12	2.96	6.12	6.12	6.12	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.19	1.93	7.50	1.93	7.50	7.50	7.50	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.51	15.08	28.48	15.08	28.48	28.48	28.48	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	1.23	12.26	28.18	12.26	28.18	28.18	28.18	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	4.21	42.15	100.29	42.15	100.29	100.29	100.29	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	1.98	11.61	1.98	11.61	11.61	11.61	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.80	7.98	24.87	7.98	24.87	24.87	24.87	0.100	0.250	0.40	1.25	1.00	3.12	

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.58	5.77	17.02	5.77	17.02	17.02	17.02	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	2.24	22.45	109.76	22.45	109.76	109.76	109.76	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.37	4.37	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	15.69	156.92	424.48	156.92	424.48	424.48	424.48	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.61	104	104	104	104	104	104	104	2.5	2.5		
0												
0												
0												

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.52	7.79
ND		ND		Y	0.00	0.00
		=		Y	130.38	170.87
		=		Y	2.96	6.12
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.93	7.50
ND		ND		Y	0.00	0.00
		=		Y	15.08	28.48
		=		Y	12.26	28.18
ND		ND		Y	0.00	0.00
		=		Y	42.15	100.29
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.98	11.61
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	7.98	24.87

| | | |

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**63**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

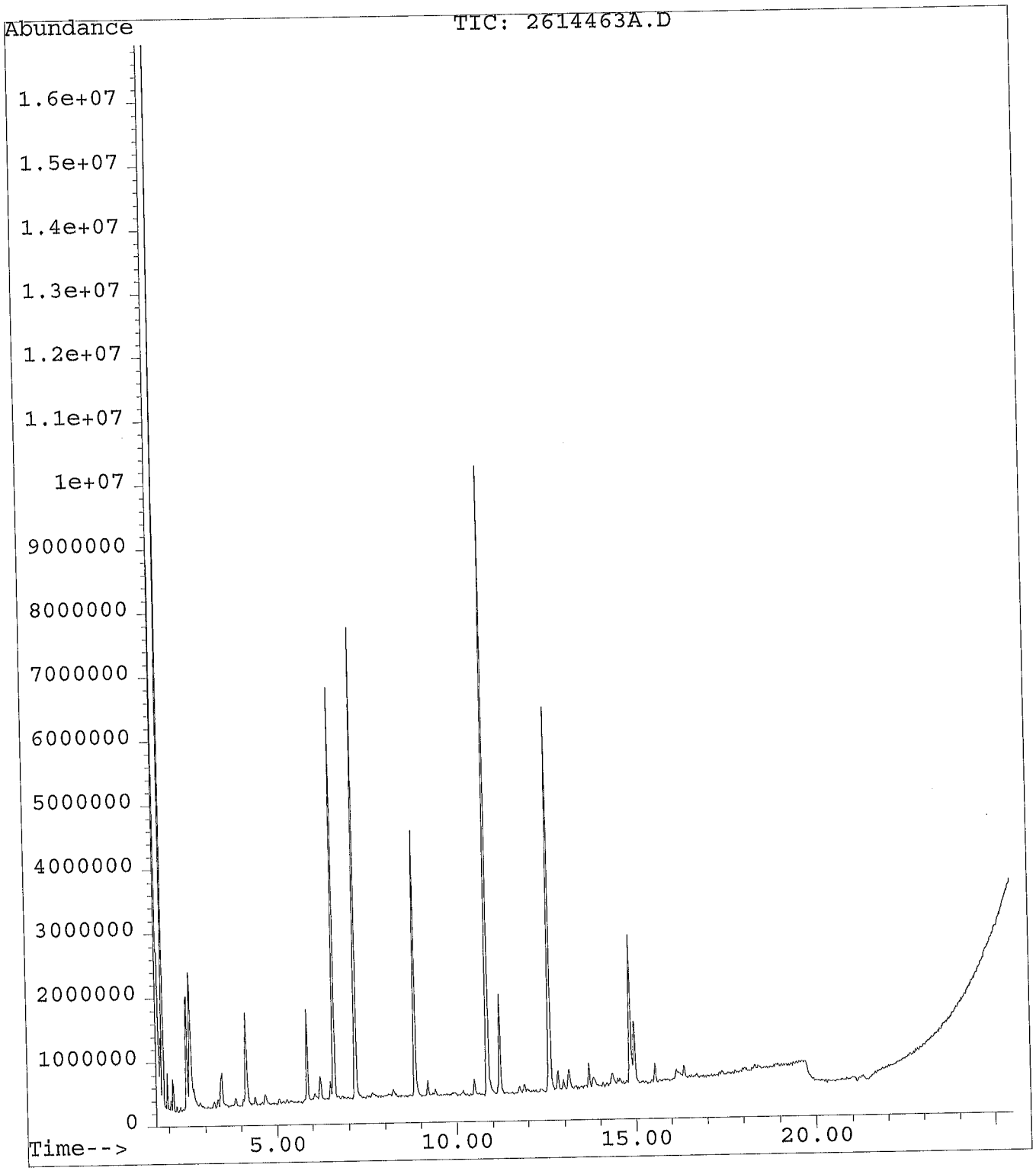
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	186445	20.0	4807245	0.452	4.52	7.79
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4807245	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	4971333	20.0	4807245	13.038	130.38	170.87
5	Chloromethane	PFB	SA	50.5	0.699	198805	20.0	4807245	0.296	2.96	6.12
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4807245	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4807245	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4807245	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	61319	20.0	4807245	0.193	1.93	7.50
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4807245	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	142677	20.0	4807245	1.508	15.08	28.48
12	Acrolein	PFB	SA	56.1	0.121	142966	20.0	4807245	1.226	12.26	28.18
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4807245	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	818762	20.0	4807245	4.215	42.15	100.29
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4807245	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4807245	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	15939	20.0	4807245	0.198	1.98	11.61
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4807245	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4807245	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4807245	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4807245	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4807245	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	481059	20.0	4807245	0.798	7.98	24.87
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4807245	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4807245	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4807245	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4807245	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4807245	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4807245	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	105405	20.0	4807245	0.577	5.77	17.02
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4807245	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4807245	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4807245	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4807245	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4807245	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4807245	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4807245	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4807245	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4807245	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4807245	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	1277231	20.0	4807245	2.245	22.45	109.76
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7235997	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7235997	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7235997	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7235997	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	194700	20.0	7235997	0.137	1.37	4.37
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7235997	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7235997	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7235997	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7235997	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7235997	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7235997	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7235997	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7235997	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7235997	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7235997	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7235997	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7235997	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7235997	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7235997	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7235997	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7235997	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7235997	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7235997	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7235997	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7235997	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7235997	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7235997	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8442759	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8442759	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8442759	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8442759	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8442759	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8442759	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8442759	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8442759	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8442759	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8442759	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8442759	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8442759	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8442759	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8442759	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8442759	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8442759	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8442759	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8442759	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8442759	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8442759	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8442759	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8442759	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8442759	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8442759	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8442759	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8442759	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8442759	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8442759	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8442759	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8442759	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8442759	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9113200	20.0	8442759	15.692	156.92	424.48
1	Pentafluorobenzene		IS			4807245	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7235997	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8442759	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4244101	5.0		2.606	104.23	104

File : C:\MSCHEM\1\DATA\08126B_3\2614463A.D
Operator : KL
Acquired : 12 Aug 126 12:22 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-507
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **64**

Client ID T-508

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description: T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	3.53	0.69	1.72	6.09	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	10.88	2.62	3.15	14.26	
74-87-3	Chloromethane	0.60	1.00	1.39	1.24	2.07	2.88	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	3.53	3.78	24.24	6.67	J
107-02-8	Acrolein	0.40	1.20	4.65	0.92	2.76	10.68	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	34.23	4.76	5.71	81.45	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.03	1.18	3.54	8.95	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.34	4.48	6.40	7.47	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.35	1.64	13.13	9.66	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 64

File Name: 2614464A.D
Description T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	174.81	2.71	3.25	472.88	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 64

File Name: 2614464A.D
Description T-508
Canister: 858
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 10:33
Date Analyzed: 8/12/2026 **Time:** 13:13
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	64		
File Name:	2614464A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	10:33
Sample ID:	T-508	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	13:13
Anal Date:	12 Aug 126 1:13 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	858		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.353	1.69	42.00	204591
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	1.088	2.49	31.00	582617
74-87-3	Chloromethane	5	SA	0.139	2.03	50.00	131418
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.353	3.39	46.00	46886
107-02-8	Acrolein	12	SA	0.465	3.75	56.00	76061
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	3.423	4.13	58.00	933628
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.303	6.18	72.00	77837
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.234	6.49	78.00	461785
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.235	10.50	58.00	263177
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.79	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.481	1.83	51.00	12752622
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6749562**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10046245**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10605143**
2037-26-5	Toluene-d8	61	SURR	2.518	8.85	98.00	**5694652**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 64
File Name: 2614464A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 858
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.35	3.53	6.09	3.53	6.09	6.09	6.09	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	1.09	10.88	14.26	10.88	14.26	14.26	14.26	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.14	1.39	2.88	1.39	2.88	2.88	2.88	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.35	3.53	6.67	3.53	6.67	6.67	6.67	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.46	4.65	10.68	4.65	10.68	10.68	10.68	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	3.42	34.23	81.45	34.23	81.45	81.45	81.45	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.30	3.03	8.95	3.03	8.95	8.95	8.95	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.23	2.34	7.47	2.34	7.47	7.47	7.47	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.24	2.35	9.66	2.35	9.66	9.66	9.66	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.48	174.81	472.88	174.81	472.88	472.88	472.88	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

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ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	3.53	6.09
ND		ND		Y	0.00	0.00
		=		Y	10.88	14.26
		=		Y	1.39	2.88
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	3.53	6.67
		=		Y	4.65	10.68
ND		ND		Y	0.00	0.00
		=		Y	34.23	81.45
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**64**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ Note: 1 i

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = Cn

3) Amount ppbv = (Raw Amt) $\frac{1000}{(SV)}$ (CDF)

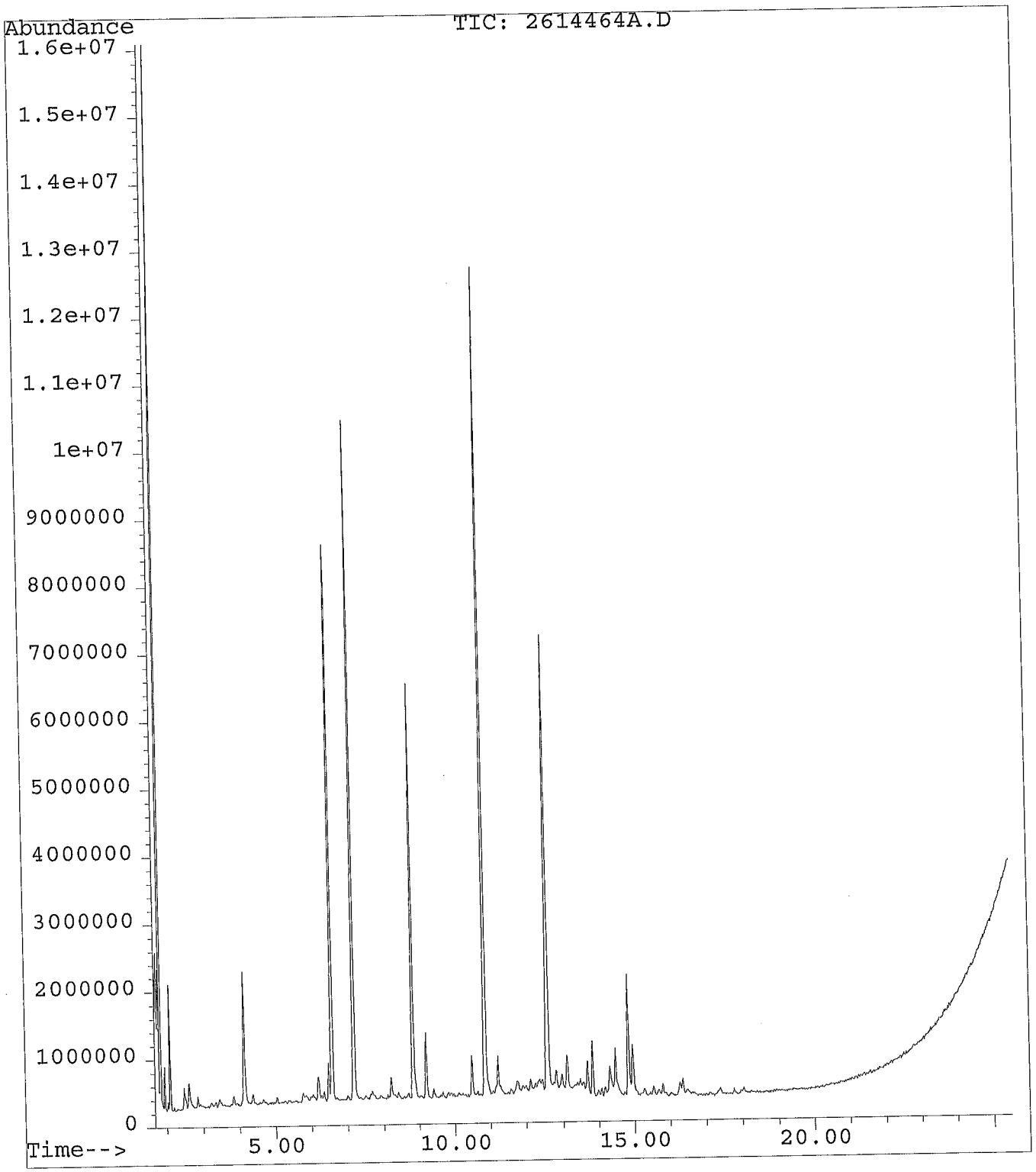
4) Amount ug/m3 = (amt(ppbv) $\frac{MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	204591	20.0	6749562	0.353	3.53	6.09
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6749562	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	582617	20.0	6749562	1.088	10.88	14.26
5	Chloromethane	PFB	SA	50.5	0.699	131418	20.0	6749562	0.139	1.39	2.88
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6749562	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6749562	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6749562	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6749562	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6749562	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	46886	20.0	6749562	0.353	3.53	6.67
12	Acrolein	PFB	SA	56.1	0.121	76061	20.0	6749562	0.465	4.65	10.68
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6749562	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	933628	20.0	6749562	3.423	34.23	81.45
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6749562	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6749562	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6749562	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6749562	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6749562	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6749562	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6749562	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6749562	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6749562	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6749562	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6749562	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6749562	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6749562	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6749562	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6749562	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	77837	20.0	6749562	0.303	3.03	8.95
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6749562	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6749562	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6749562	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6749562	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6749562	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6749562	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6749562	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6749562	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6749562	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6749562	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6749562	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10046245	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10046245	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10046245	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10046245	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	461785	20.0	10046245	0.234	2.34	7.47
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10046245	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10046245	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10046245	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10046245	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10046245	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10046245	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10046245	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10046245	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10046245	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10046245	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10046245	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10046245	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10046245	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10046245	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10046245	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10046245	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	263177	20.0	10046245	0.235	2.35	9.66
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10046245	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10046245	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10046245	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10046245	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10046245	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10605143	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10605143	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10605143	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10605143	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10605143	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10605143	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10605143	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10605143	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10605143	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10605143	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10605143	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10605143	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10605143	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10605143	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10605143	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10605143	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10605143	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10605143	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10605143	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10605143	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10605143	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10605143	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10605143	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10605143	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10605143	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10605143	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10605143	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10605143	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10605143	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10605143	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10605143	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12752622	20.0	10605143	17.481	174.81	472.88
1	Pentafluorobenzene		IS			6749562	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10046245	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10605143	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5694652	5.0		2.518	100.73	101

File : C:\MSCHEM\1\DATA\08126B_3\2614464A.D
Operator : KL
Acquired : 12 Aug 126 1:13 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-508
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **65**

Client ID T-509

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 65**

File Name: 2614465A.D **Date Sampled:** 7/24/2026 **Time:** 11:47
Description: T-509 **Date Analyzed:** 8/12/2026 **Time:** 13:50
Canister: 837 **Can Dilution Factor:** 1.00
QC_Batch: 081226-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.00	0.69	1.72	1.73	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	0.81	1.24	2.07	1.67	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	14.29	4.76	5.71	33.99	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.91	1.18	3.54	11.55	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	84.70	0.54	5.38	455.81	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	2.90	1.64	13.13	11.90	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 65

File Name: 2614465A.D
Description T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	204.44	2.71	3.25	553.04	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 65

File Name: 2614465A.D
Description T-509
Canister: 837
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:47
Date Analyzed: 8/12/2026 **Time:** 13:50
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	65		
File Name:	2614465A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	11:47
Sample ID:	T-509	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	13:50
Anal Date:	12 Aug 126 1:50 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	837		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.100	1.69	42.00	44434
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.081	2.03	50.00	58042
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.429	4.13	58.00	297817
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.391	6.18	72.00	76769
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.122	6.49	78.00	175936
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	8.470	6.49	130.00	4521445
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.290	10.50	58.00	236662
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	20.444	1.85	51.00	11746706
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5158873**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7332594**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8352778**
2037-26-5	Toluene-d8	61	SURR	2.468	8.85	98.00	**4073706**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 65
File Name: 2614465A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 837
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.10	1.00	1.73	1.00	1.73	1.73	1.73	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.08	0.81	1.67	0.81	1.67	1.67	1.67	0.150	0.250	0.60	1.24	1.00	2.07	J
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.43	14.29	33.99	14.29	33.99	33.99	33.99	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.39	3.91	11.55	3.91	11.55	11.55	11.55	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.12	1.22	3.90	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	8.47	84.70	455.81	84.70	455.81	455.81	455.81	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.29	2.90	11.90	2.90	11.90	11.90	11.90	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	20.44	204.44	553.04	204.44	553.04	553.04	553.04	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.47	99	99	99	99	99	99	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.00	1.73
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	0.81	1.67
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	14.29	33.99
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.91	11.55
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	84.70	455.81
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	2.90	11.90

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**65**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = Cn

3) Amount ppbv = (Raw Amt) × 1000 / (SV) (CDF)

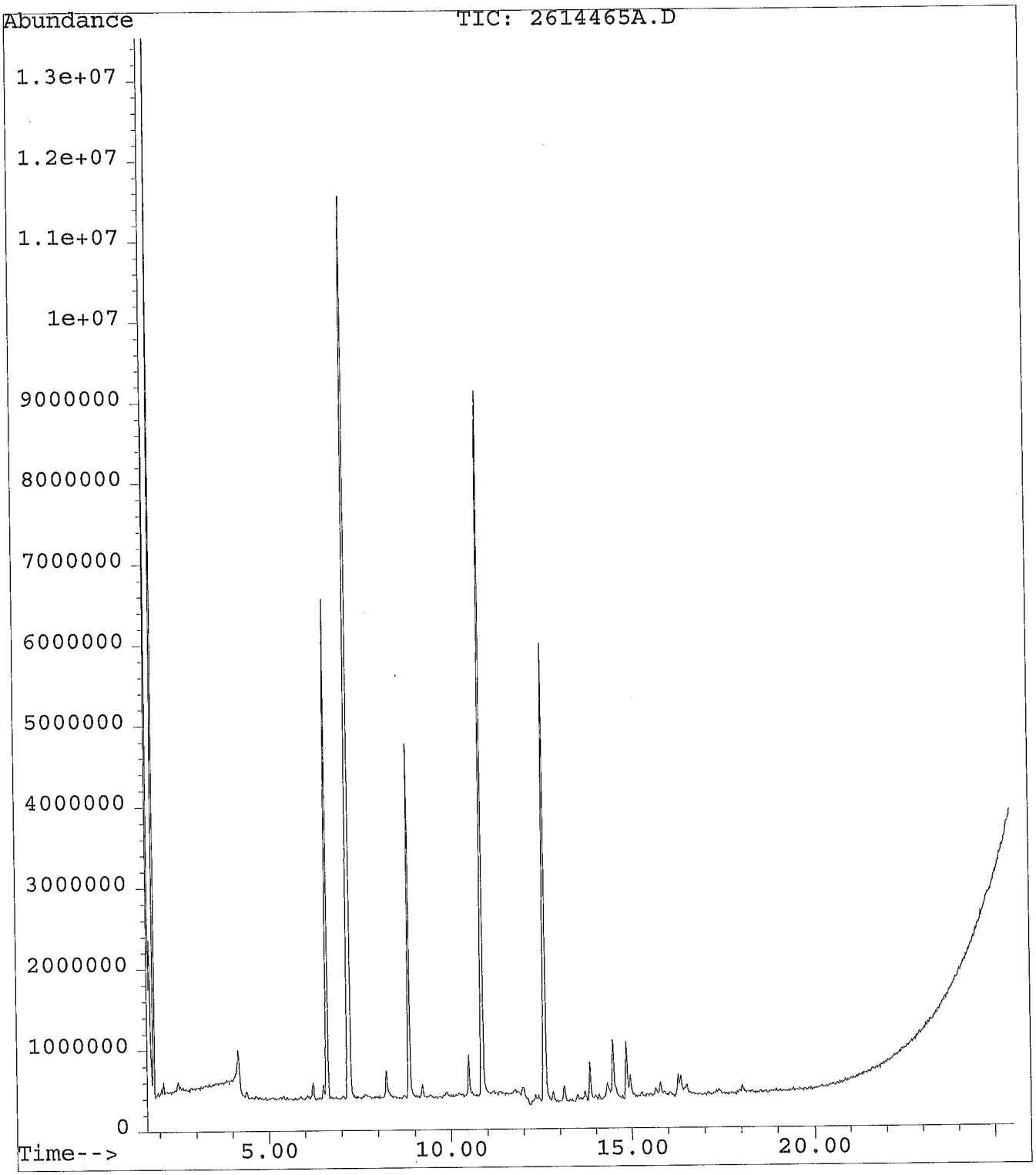
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	44434	20.0	5158873	0.100	1.00	1.73
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5158873	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	5158873	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	58042	20.0	5158873	0.081	0.81	1.67
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5158873	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5158873	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5158873	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5158873	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5158873	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	5158873	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	5158873	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5158873	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	297817	20.0	5158873	1.429	14.29	33.99
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5158873	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5158873	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	5158873	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5158873	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5158873	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5158873	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5158873	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5158873	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5158873	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5158873	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5158873	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5158873	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5158873	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5158873	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5158873	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	76769	20.0	5158873	0.391	3.91	11.55
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5158873	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	5158873	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5158873	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5158873	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5158873	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5158873	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5158873	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5158873	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5158873	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5158873	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5158873	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7332594	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7332594	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7332594	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7332594	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	175936	20.0	7332594	0.122	1.22	3.90
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7332594	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7332594	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7332594	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7332594	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7332594	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7332594	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7332594	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	4521445	20.0	7332594	8.470	84.70	455.81
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7332594	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7332594	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7332594	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7332594	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7332594	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7332594	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7332594	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7332594	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	236662	20.0	7332594	0.290	2.90	11.90
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7332594	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7332594	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7332594	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7332594	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7332594	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8352778	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8352778	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8352778	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8352778	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8352778	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8352778	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8352778	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8352778	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8352778	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8352778	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8352778	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8352778	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8352778	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8352778	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8352778	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8352778	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8352778	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8352778	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8352778	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8352778	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8352778	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8352778	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8352778	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8352778	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8352778	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8352778	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8352778	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8352778	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8352778	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8352778	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8352778	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11746706	20.0	8352778	20.444	204.44	553.04
1	Pentafluorobenzene		IS			5158873	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7332594	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8352778	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4073706	5.0		2.468	98.72	99

File : C:\MSCHEM\1\DATA\08126B_3\2614465A.D
Operator : KL
Acquired : 12 Aug 126 1:50 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-509
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **66**

Client ID T-510

Analytical Method TO-15

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Analytical Report
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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 66**

File Name: 2614466A.D **Date Sampled:** 7/24/2026 **Time:** 11:44
Description: T-510 **Date Analyzed:** 8/12/2026 **Time:** 14:24
Canister: 647 **Can Dilution Factor:** 1.00
QC_Batch: 081226-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.79	0.69	1.72	3.08	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.22	2.62	3.15	5.53	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	2.87	0.92	2.76	6.60	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	31.66	4.76	5.71	75.33	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	17.50	1.18	3.54	51.67	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.45	4.48	6.40	4.64	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	9.26	1.64	13.13	38.01	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 66

File Name: 2614466A.D
Description: T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	180.69	2.71	3.25	488.78	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 66

File Name: 2614466A.D
Description T-510
Canister: 647
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 14:24
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	66		
File Name:	2614466A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	11:44
Sample ID:	T-510	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	14:24
Anal Date:	12 Aug 126 2:24 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	647		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.179	1.69	42.00	71380
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.422	2.49	31.00	155813
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.287	3.75	56.00	32426
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	3.166	4.13	58.00	595621
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.750	6.18	72.00	309816
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.145	6.49	78.00	195086
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.926	10.50	58.00	704422
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.069	1.83	51.00	9298121
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4655782**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6835664**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7480853**
2037-26-5	Toluene-d8	61	SURR	2.504	8.85	98.00	**3852514**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 66
File Name: 2614466A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 647
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.18	1.79	3.08	1.79	3.08	3.08	3.08	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.42	4.22	5.53	4.22	5.53	5.53	5.53	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.29	2.87	6.60	2.87	6.60	6.60	6.60	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	3.17	31.66	75.33	31.66	75.33	75.33	75.33	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.75	17.50	51.67	17.50	51.67	51.67	51.67	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.15	1.45	4.64	1.45	4.64	4.64	4.64	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.93	9.26	38.01	9.26	38.01	38.01	38.01	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.07	180.69	488.78	180.69	488.78	488.78	488.78	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.50	100	100	100	100	100	100	100	2.5	2.5	
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.79	3.08
ND		ND		Y	0.00	0.00
		=		Y	4.22	5.53
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.87	6.60
ND		ND		Y	0.00	0.00
		=		Y	31.66	75.33
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	=	Y	17.50	51.67	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**66**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

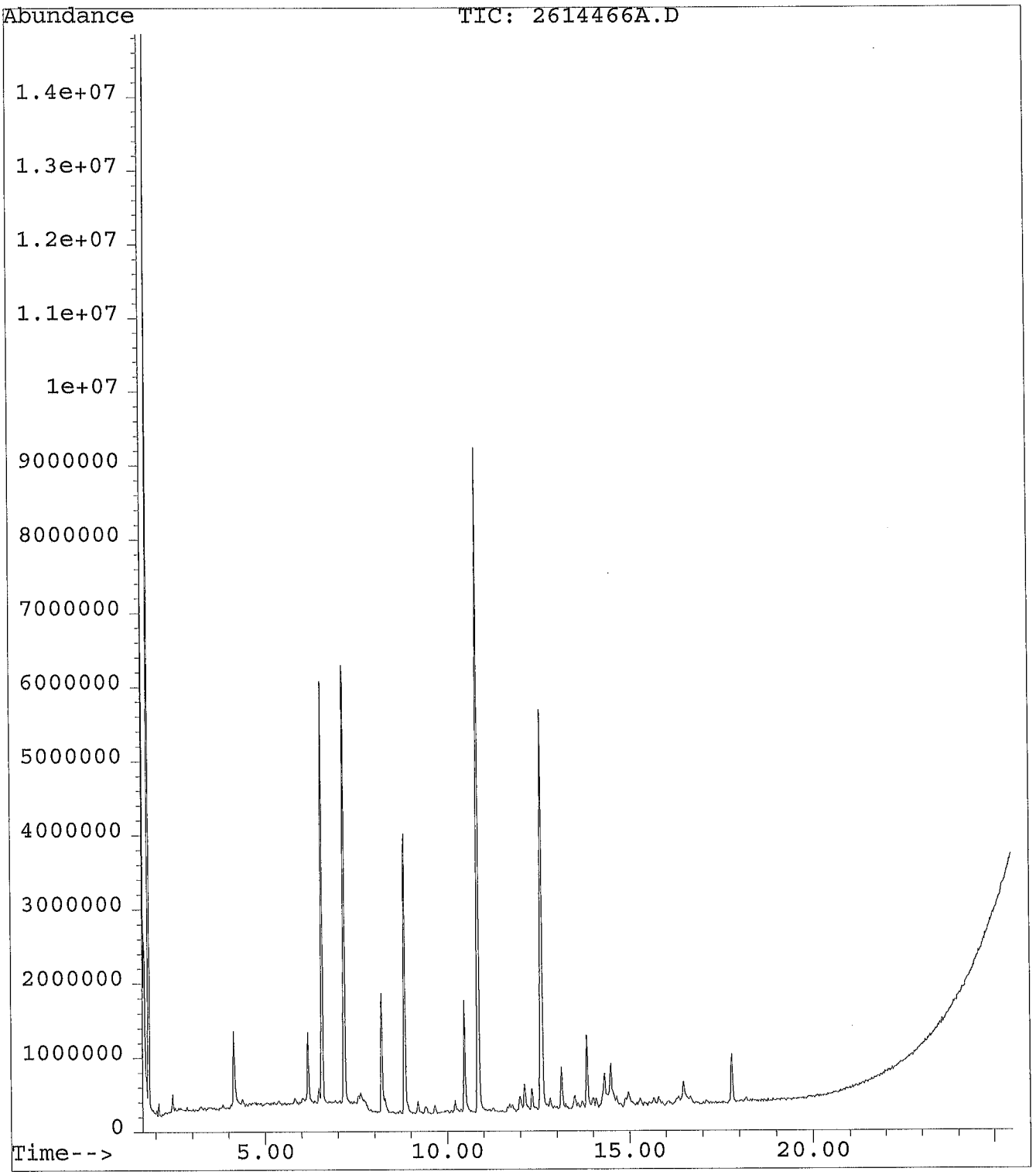
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	71380	20.0	4655782	0.179	1.79	3.08
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4655782	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	155813	20.0	4655782	0.422	4.22	5.53
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	4655782	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4655782	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4655782	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4655782	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4655782	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4655782	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	4655782	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	32426	20.0	4655782	0.287	2.87	6.60
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4655782	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	595621	20.0	4655782	3.166	31.66	75.33
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4655782	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4655782	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4655782	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4655782	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4655782	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4655782	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4655782	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4655782	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4655782	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4655782	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4655782	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4655782	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4655782	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4655782	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4655782	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	309816	20.0	4655782	1.750	17.50	51.67
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4655782	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4655782	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4655782	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4655782	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4655782	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4655782	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4655782	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4655782	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4655782	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4655782	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4655782	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	6835664	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	6835664	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	6835664	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	6835664	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	195086	20.0	6835664	0.145	1.45	4.64
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	6835664	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	6835664	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	6835664	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	6835664	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	6835664	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	6835664	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	6835664	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	6835664	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	6835664	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	6835664	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	6835664	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	6835664	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	6835664	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	6835664	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	6835664	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	6835664	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	704422	20.0	6835664	0.926	9.26	38.01
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	6835664	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	6835664	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	6835664	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	6835664	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	6835664	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7480853	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7480853	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7480853	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	7480853	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7480853	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7480853	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7480853	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7480853	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7480853	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7480853	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7480853	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7480853	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7480853	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7480853	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7480853	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7480853	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7480853	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7480853	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7480853	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7480853	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7480853	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7480853	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7480853	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7480853	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7480853	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7480853	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7480853	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7480853	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7480853	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7480853	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7480853	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9298121	20.0	7480853	18.069	180.69	488.78
1	Pentafluorobenzene		IS			4655782	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6835664	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7480853	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3852514	5.0		2.504	100.15	100

File : C:\MSCHEM\1\DATA\08126B_3\2614466A.D
Operator : KL
Acquired : 12 Aug 126 2:24 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-510
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 67

Client ID T-511

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 67

File Name: 2614467A.D
Description: T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.99	0.69	1.72	3.43	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	2.28	0.92	2.76	5.23	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.21	4.76	5.71	31.42	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	1.82	1.25	3.12	5.67	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	69.81	0.54	5.38	375.67	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.36	1.64	13.13	5.60	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	105	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 67

File Name: 2614467A.D
Description T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	213.88	2.71	3.25	578.55	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 67

File Name: 2614467A.D
Description T-511
Canister: 786
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:40
Date Analyzed: 8/12/2026 **Time:** 16:27
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	67		
File Name:	2614467A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	11:40
Sample ID:	T-511	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	16:27
Anal Date:	12 Aug 126 4:27 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	786		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.199	1.69	42.00	78868
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.228	3.75	56.00	25501
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.321	4.13	58.00	246377
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.182	3.45	76.00	105351
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.128	6.49	78.00	192478
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	6.981	6.49	130.00	3889377
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.136	10.50	58.00	116175
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	21.388	1.86	51.00	13464190
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4617181**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7653220**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9151771**
2037-26-5	Toluene-d8	61	SURR	2.623	8.85	98.00	**4519578**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 67
File Name: 2614467A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 786
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.20	1.99	3.43	1.99	3.43	3.43	3.43	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.23	2.28	5.23	2.28	5.23	5.23	5.23	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.32	13.21	31.42	13.21	31.42	31.42	31.42	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.18	1.82	5.67	1.82	5.67	5.67	5.67	0.100	0.250	0.40	1.25	1.00	3.12	

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.28	4.09	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	6.98	69.81	375.67	69.81	375.67	375.67	375.67	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.14	1.36	5.60	1.36	5.60	5.60	5.60	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	21.39	213.88	578.55	213.88	578.55	578.55	578.55	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.62	105	105	105	105	105	105	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.99	3.43
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	2.28	5.23
ND		ND		Y	0.00	0.00
		=		Y	13.21	31.42
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.82	5.67

| | | |

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**67**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

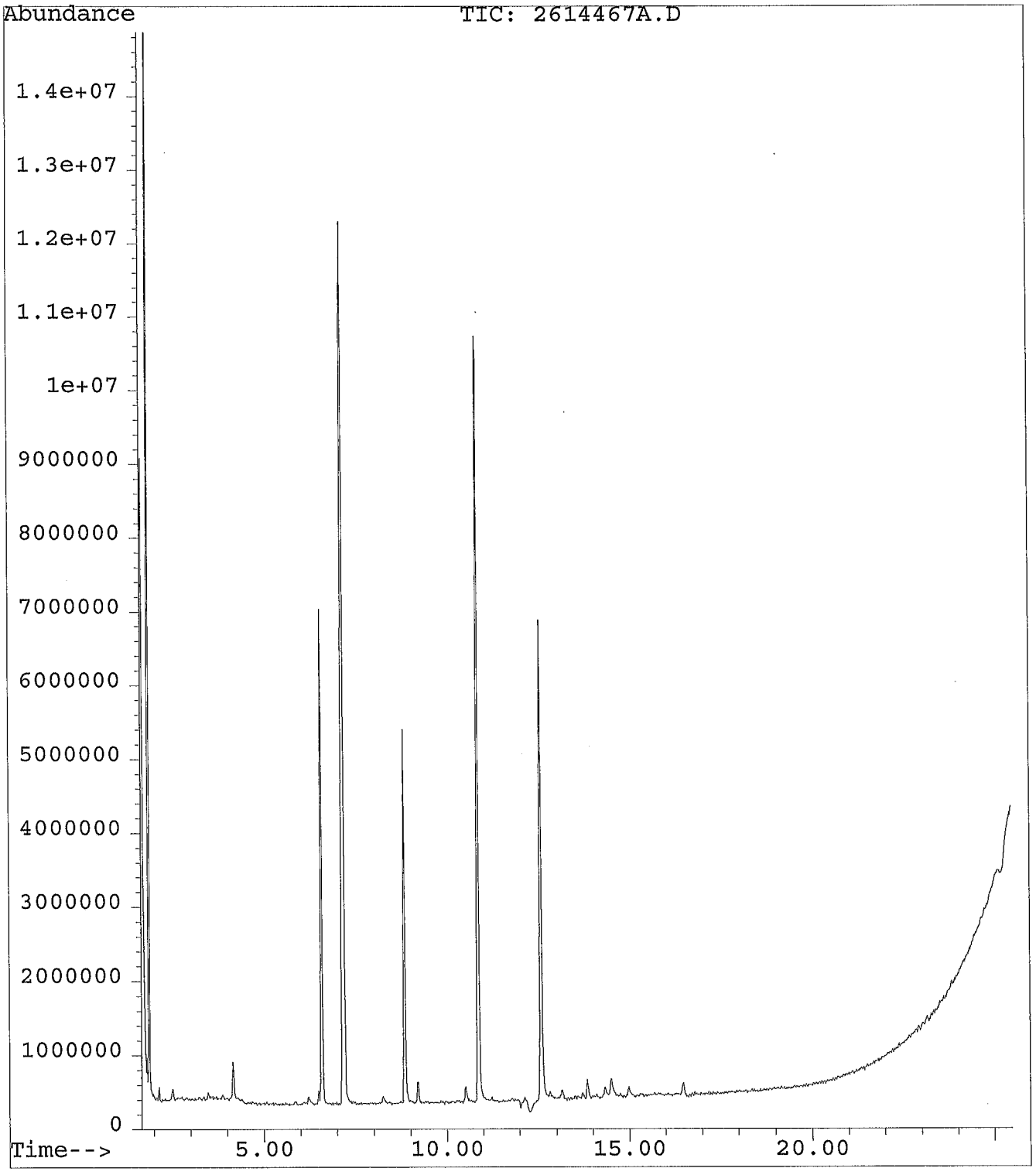
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	78868	20.0	4617181	0.199	1.99	3.43
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4617181	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	4617181	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	4617181	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4617181	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4617181	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4617181	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4617181	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4617181	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	4617181	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	25501	20.0	4617181	0.228	2.28	5.23
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4617181	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	246377	20.0	4617181	1.321	13.21	31.42
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4617181	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4617181	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4617181	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4617181	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4617181	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4617181	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4617181	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4617181	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	105351	20.0	4617181	0.182	1.82	5.67
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4617181	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4617181	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4617181	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4617181	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4617181	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4617181	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	4617181	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4617181	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4617181	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4617181	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4617181	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4617181	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4617181	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4617181	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4617181	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4617181	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4617181	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4617181	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7653220	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7653220	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7653220	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7653220	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	192478	20.0	7653220	0.128	1.28	4.09
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7653220	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7653220	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7653220	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7653220	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7653220	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7653220	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7653220	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	3889377	20.0	7653220	6.981	69.81	375.67
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7653220	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7653220	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7653220	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7653220	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7653220	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7653220	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7653220	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7653220	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	116175	20.0	7653220	0.136	1.36	5.60
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7653220	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7653220	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7653220	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7653220	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7653220	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9151771	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9151771	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9151771	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	9151771	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9151771	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9151771	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9151771	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9151771	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9151771	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9151771	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9151771	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9151771	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9151771	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9151771	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9151771	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9151771	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9151771	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9151771	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9151771	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9151771	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9151771	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	9151771	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9151771	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9151771	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9151771	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9151771	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9151771	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9151771	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	9151771	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9151771	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9151771	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13464190	20.0	9151771	21.388	213.88	578.55
1	Pentafluorobenzene		IS			4617181	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7653220	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9151771	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4519578	5.0		2.623	104.94	105

File : C:\MSCHEM\1\DATA\08126B_3\2614467A.D
Operator : SW
Acquired : 12 Aug 126 4:27 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-511
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 68

Client ID T-512

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 68**

File Name: 2614468A.D **Date Sampled:** 7/24/2026 **Time:** 11:44
Description: T-512 **Date Analyzed:** 8/12/2026 **Time:** 17:03
Canister: 877 **Can Dilution Factor:** 1.00
QC_Batch: 081226-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.55	0.69	1.72	2.68	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	9.38	2.62	3.15	12.30	
74-87-3	Chloromethane	0.60	1.00	1.41	1.24	2.07	2.91	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	76.79	3.78	24.24	144.97	
107-02-8	Acrolein	0.40	1.20	1.43	0.92	2.76	3.29	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.96	4.76	5.71	21.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.87	1.18	3.54	8.46	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 68

File Name: 2614468A.D
Description T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	135.02	2.71	3.25	365.24	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 68

File Name: 2614468A.D
Description T-512
Canister: 877
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:44
Date Analyzed: 8/12/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	68		
File Name:	2614468A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	11:44
Sample ID:	T-512	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	17:03
Anal Date:	12 Aug 126 5:03 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	877		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.155	1.69	42.00	71778
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.938	2.49	31.00	400668
74-87-3	Chloromethane	5	SA	0.141	2.03	50.00	105802
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	7.679	3.39	46.00	813413
107-02-8	Acrolein	12	SA	0.143	3.75	56.00	18721
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.896	4.13	58.00	194918
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.287	6.18	72.00	58686
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.137	6.49	78.00	187934
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	0.00	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.002	13.87	105.00	3964
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.502	1.91	51.00	7488332
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5383722**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6988001**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8062577**
2037-26-5	Toluene-d8	61	SURR	2.482	8.85	98.00	**3903588**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 68
File Name: 2614468A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 877
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.16	1.55	2.68	1.55	2.68	2.68	2.68	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.94	9.38	12.30	9.38	12.30	12.30	12.30	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.14	1.41	2.91	1.41	2.91	2.91	2.91	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	7.68	76.79	144.97	76.79	144.97	144.97	144.97	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.14	1.43	3.29	1.43	3.29	3.29	3.29	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.90	8.96	21.32	8.96	21.32	21.32	21.32	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.29	2.87	8.46	2.87	8.46	8.46	8.46	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.37	4.37	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.02	0.09	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.50	135.02	365.24	135.02	365.24	365.24	365.24	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.48	99	99	99	99	99	99	99	2.5	2.5	
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.55	2.68
ND		ND		Y	0.00	0.00
		=		Y	9.38	12.30
		=		Y	1.41	2.91
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	76.79	144.97
		=		Y	1.43	3.29
ND		ND		Y	0.00	0.00
		=		Y	8.96	21.32
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**68**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) / (Cstdni)] [(Cistdi) / (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

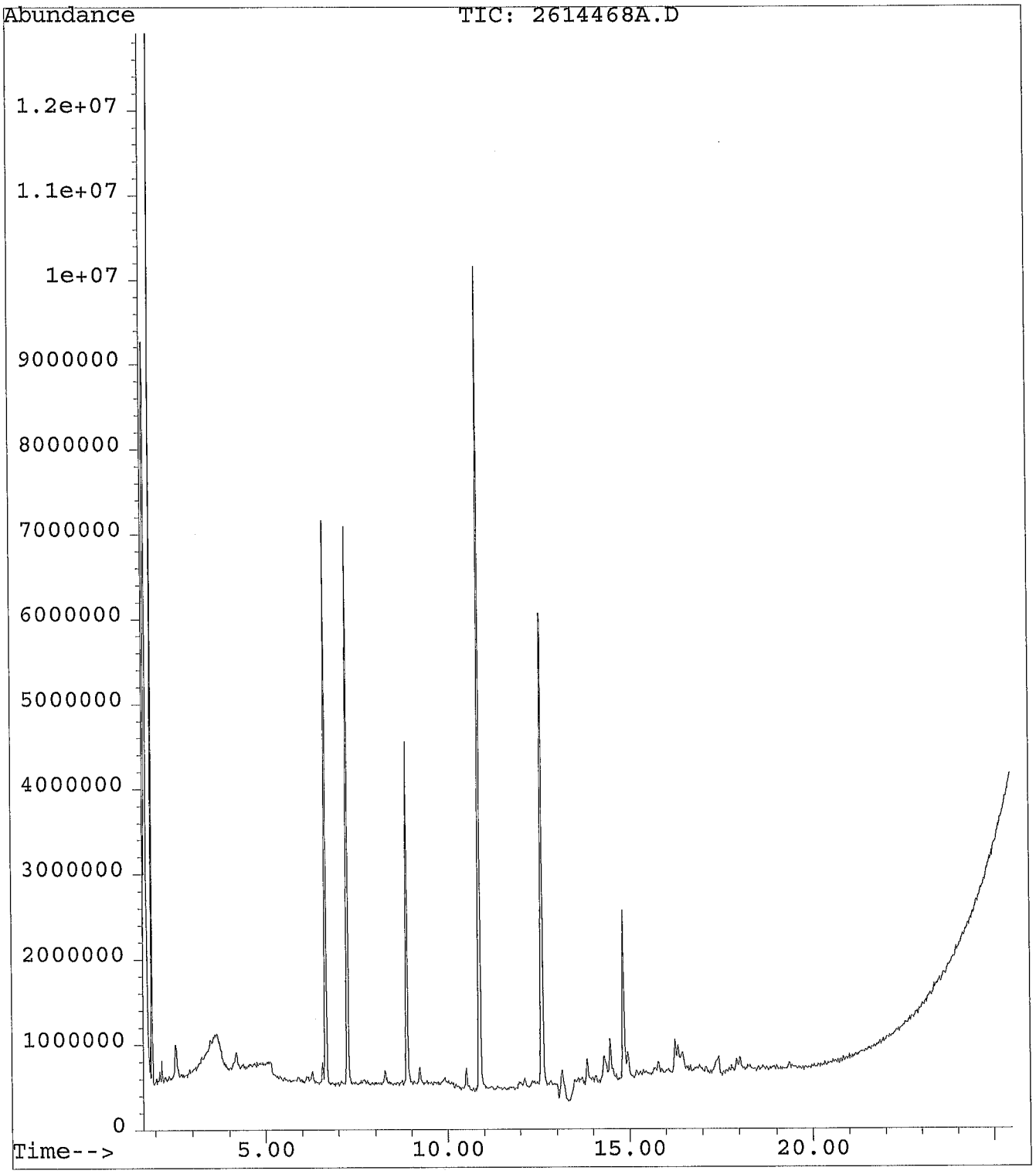
4) Amount ug/m3 = (amt(ppbv) × MW) / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	71778	20.0	5383722	0.155	1.55	2.68
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5383722	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	400668	20.0	5383722	0.938	9.38	12.30
5	Chloromethane	PFB	SA	50.5	0.699	105802	20.0	5383722	0.141	1.41	2.91
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5383722	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5383722	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5383722	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5383722	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5383722	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	813413	20.0	5383722	7.679	76.79	144.97
12	Acrolein	PFB	SA	56.1	0.121	18721	20.0	5383722	0.143	1.43	3.29
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5383722	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	194918	20.0	5383722	0.896	8.96	21.32
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5383722	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5383722	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	5383722	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5383722	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5383722	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5383722	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5383722	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5383722	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5383722	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5383722	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5383722	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5383722	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5383722	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5383722	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5383722	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	58686	20.0	5383722	0.287	2.87	8.46
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5383722	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	5383722	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5383722	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5383722	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5383722	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5383722	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5383722	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5383722	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5383722	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5383722	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5383722	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	6988001	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	6988001	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	6988001	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	6988001	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	187934	20.0	6988001	0.137	1.37	4.37
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	6988001	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	6988001	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	6988001	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	6988001	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	6988001	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	6988001	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	6988001	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	6988001	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	6988001	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	6988001	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	6988001	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	6988001	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	6988001	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	6988001	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	6988001	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	6988001	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	6988001	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	6988001	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	6988001	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	6988001	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	6988001	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	6988001	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8062577	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8062577	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8062577	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8062577	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8062577	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8062577	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8062577	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8062577	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8062577	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8062577	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8062577	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8062577	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8062577	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8062577	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8062577	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8062577	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8062577	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8062577	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8062577	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	3964	20.0	8062577	0.002	0.02	0.09
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8062577	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8062577	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8062577	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8062577	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8062577	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8062577	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8062577	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8062577	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8062577	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8062577	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8062577	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	7488332	20.0	8062577	13.502	135.02	365.24
1	Pentafluorobenzene		IS			5383722	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6988001	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8062577	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3903588	5.0		2.482	99.27	99

File : C:\MSCHEM\1\DATA\08126B_3\2614468A.D
Operator : SW
Acquired : 12 Aug 126 5:03 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-512
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **69**

Client ID T-513

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 69**

File Name: 2614469A.D
Description: T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.37	0.69	1.72	2.37	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	7.12	2.62	3.15	9.34	
74-87-3	Chloromethane	0.60	1.00	1.25	1.24	2.07	2.58	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	74.01	3.78	24.24	139.73	
107-02-8	Acrolein	0.40	1.20	2.65	0.92	2.76	6.09	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.74	4.76	5.71	32.69	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	2.39	1.18	3.54	7.04	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 69

File Name: 2614469A.D
Description T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	158.21	2.71	3.25	427.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 69

File Name: 2614469A.D
Description T-513
Canister: 892
QC_Batch: 081226-MA1

Date Sampled: 7/24/2026 **Time:** 11:48
Date Analyzed: 8/12/2026 **Time:** 17:41
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	69		
File Name:	2614469A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	11:48
Sample ID:	T-513	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	17:41
Anal Date:	12 Aug 126 5:41 pm	**SF:**	2	**QCbatch:**	081226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	892		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.137	1.69	42.00	60823
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.712	2.49	31.00	291586
74-87-3	Chloromethane	5	SA	0.125	2.03	50.00	89883
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	7.401	3.39	46.00	751550
107-02-8	Acrolein	12	SA	0.265	3.75	56.00	33150
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.374	4.13	58.00	286530
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.239	6.18	72.00	46824
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.129	6.49	78.00	188490
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.81	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.054	15.01	146.00	71182
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.048	17.40	180.00	14153
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.067	17.42	180.00	15940
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	15.821	1.86	51.00	8090415
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5161048**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7443329**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7434288**
2037-26-5	Toluene-d8	61	SURR	2.358	8.85	98.00	**3950410**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 69
File Name: 2614469A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 892
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.14	1.37	2.37	1.37	2.37	2.37	2.37	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.71	7.12	9.34	7.12	9.34	9.34	9.34	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.12	1.25	2.58	1.25	2.58	2.58	2.58	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	7.40	74.01	139.73	74.01	139.73	139.73	139.73	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.26	2.65	6.09	2.65	6.09	6.09	6.09	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.37	13.74	32.69	13.74	32.69	32.69	32.69	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.24	2.39	7.04	2.39	7.04	7.04	7.04	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.29	4.12	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.05	0.54	3.25	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.05	0.48	3.53	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.07	0.67	4.99	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	15.82	158.21	427.96	158.21	427.96	427.96	427.96	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.36	94	94	94	94	94	94	94	2.5	2.5
0										
0										
0										

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.37	2.37
ND		ND		Y	0.00	0.00
		=		Y	7.12	9.34
		=		Y	1.25	2.58
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	74.01	139.73
		=		Y	2.65	6.09
ND		ND		Y	0.00	0.00
		=		Y	13.74	32.69
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.39	7.04
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**69**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

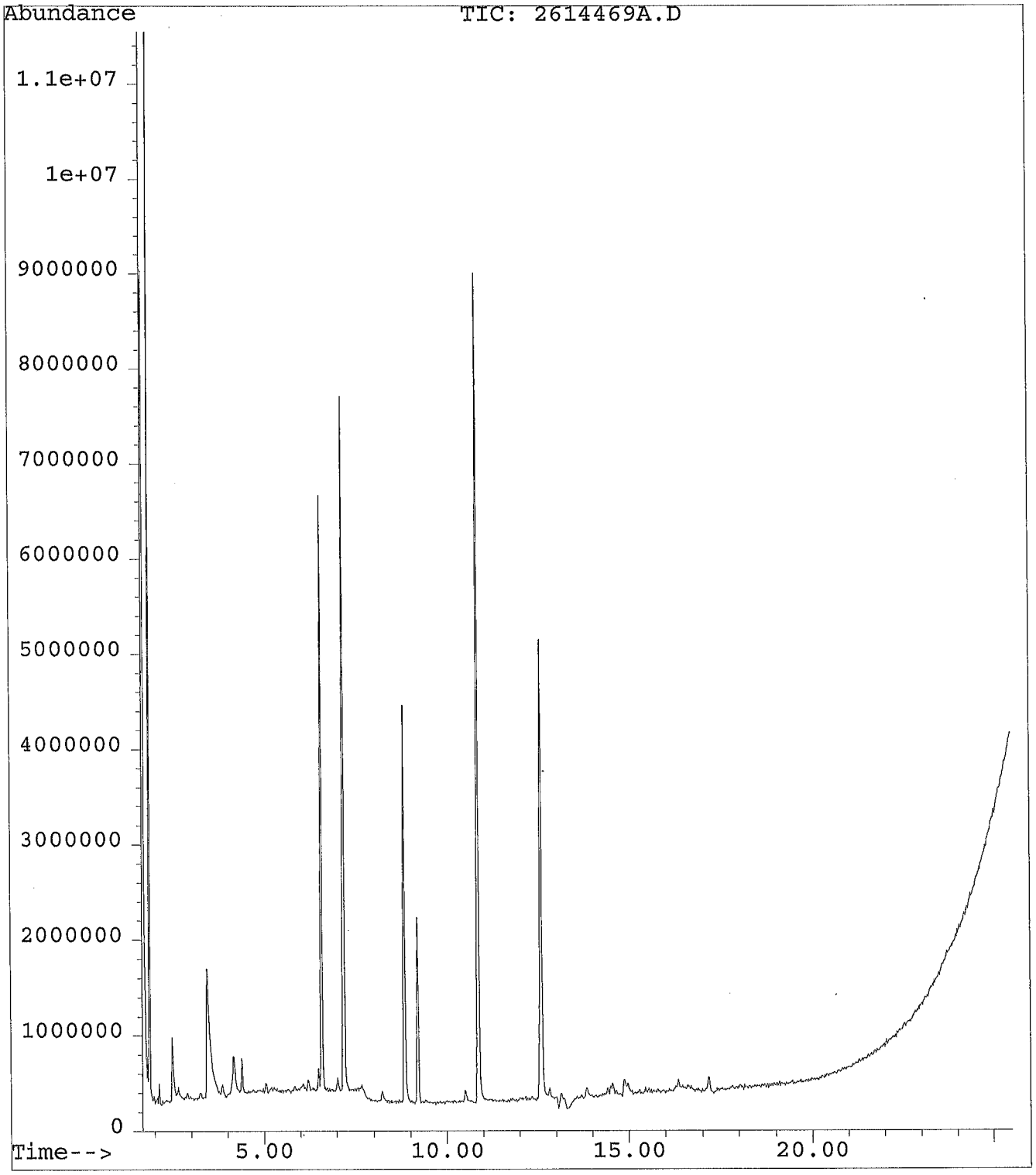
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	60823	20.0	5161048	0.137	1.37	2.37
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	5161048	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	291586	20.0	5161048	0.712	7.12	9.34
5	Chloromethane	PFB	SA	50.5	0.699	89883	20.0	5161048	0.125	1.25	2.58
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	5161048	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	5161048	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	5161048	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	5161048	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	5161048	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	751550	20.0	5161048	7.401	74.01	139.73
12	Acrolein	PFB	SA	56.1	0.121	33150	20.0	5161048	0.265	2.65	6.09
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	5161048	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	286530	20.0	5161048	1.374	13.74	32.69
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	5161048	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	5161048	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	5161048	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	5161048	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	5161048	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	5161048	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	5161048	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	5161048	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	5161048	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	5161048	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	5161048	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	5161048	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	5161048	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	5161048	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	5161048	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	46824	20.0	5161048	0.239	2.39	7.04
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	5161048	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	5161048	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	5161048	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	5161048	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	5161048	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	5161048	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	5161048	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	5161048	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	5161048	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	5161048	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	5161048	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7443329	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7443329	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7443329	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7443329	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	188490	20.0	7443329	0.129	1.29	4.12
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7443329	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7443329	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7443329	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7443329	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7443329	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7443329	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7443329	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7443329	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7443329	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7443329	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7443329	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7443329	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7443329	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7443329	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7443329	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7443329	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	7443329	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7443329	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7443329	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7443329	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7443329	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7443329	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7434288	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7434288	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7434288	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	7434288	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7434288	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7434288	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7434288	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7434288	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7434288	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7434288	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7434288	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7434288	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7434288	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7434288	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7434288	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7434288	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7434288	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7434288	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7434288	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7434288	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7434288	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7434288	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7434288	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7434288	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7434288	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	71182	20.0	7434288	0.054	0.54	3.25
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7434288	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	14153	20.0	7434288	0.048	0.48	3.53
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7434288	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	15940	20.0	7434288	0.067	0.67	4.99
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7434288	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	8090415	20.0	7434288	15.821	158.21	427.96
1	Pentafluorobenzene		IS			5161048	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7443329	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7434288	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3950410	5.0		2.358	94.31	94

File : C:\MSCHEM\1\DATA\08126B_3\2614469A.D
Operator : SW
Acquired : 12 Aug 126 5:41 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-513
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **70**

Client ID T-514

Analytical Method TO-15

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Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 70**

File Name: 2614470A.D **Date Sampled:** 7/24/2026 **Time:** 12:05
Description: T-514 **Date Analyzed:** 8/4/2026 **Time:** 13:19
Canister: 775 **Can Dilution Factor:** 1.00
QC_Batch: 080426-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	2.02	4.76	5.71	4.82	J
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	0.88	4.40	13.19	4.83	J
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	89	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 70

File Name: 2614470A.D
Description T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	184.72	2.71	3.25	499.69	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 70

File Name: 2614470A.D
Description T-514
Canister: 775
QC_Batch: 080426-MA1

Date Sampled: 7/24/2026 **Time:** 12:05
Date Analyzed: 8/4/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The Identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the Identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	70		
File Name:	2614470A.D	**Method:**	TO-15	**Date Sampled:**	7/24/2026	**Time:**	12:05
Sample ID:	T-514	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	13:19
Anal Date:	4 Aug 126 1:19 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	775		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	15973
67-56-1	Methanol	4	SA	0.104	2.49	31.00	93609
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	59469
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.584	1.91	85.00	15078
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	28977
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	562018
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.202	4.13	58.00	92774
67-63-0	2-propanol (isopropylalcohc	15	SA	0.019	3.99	45.00	40222
75-65-0	t-Butyl alcohol	16	SA	0.014	4.50	59.00	28357
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.104	6.49	78.00	327985
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.036	8.92	91.00	104730
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.010	10.18	107.00	18485
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.016	10.91	112.00	24551
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.010	10.86	57.00	17963
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.78	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.012	12.83	91.00	36547
98-82-8	Isopropylbenzene	84	SA	0.014	12.24	105.00	25373
622-96-8	4-Ethyltoluene	85	SA	0.045	13.00	105.00	87878
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.022	12.85	57.00	57032
98-06-6	tert-butyl benzene	88	SA	0.016	13.61	119.00	33236
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.016	13.89	91.00	52361
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.026	14.19	146.00	38354
99-87-6	Isopropyltoluene	93	SA	0.088	14.10	119.00	232960
100-44-7	Benzyl chloride	94	SA	0.018	13.31	91.00	31218

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.037	14.34	146.00	58101
104-51-8	n-Butylbenzene	96	SA	0.014	14.76	91.00	63565
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.040	17.40	180.00	16374
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.048	17.42	180.00	15663
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.472	1.83	51.00	13059436
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**11338995**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**16004261**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10277532**
2037-26-5	Toluene-d8	61	SURR	2.234	8.85	98.00	**8049409**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 70
File Name: 2614470A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 775
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.10	1.04	1.36	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	-4.58	-45.84	-320.82	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.20	2.02	4.82	2.02	4.82	4.82	4.82	0.500	0.600	2.00	4.76	2.40	5.71	J
2-propanol (isopropylalcohol)	60.1	0.02	0.19	0.47	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.01	0.14	0.42	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.10	1.04	3.33	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.04	0.36	1.35	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.01	0.10	0.75	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.02	0.16	0.76	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.01	0.10	0.54	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.01	0.12	0.60	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.01	0.14	0.71	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.04	0.45	2.20	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.02	0.22	1.29	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.02	0.16	0.86	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.02	0.16	0.86	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.03	0.26	1.58	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.09	0.88	4.83	0.88	4.83	4.83	4.83	0.200	0.600	0.80	4.40	2.40	13.19	J
Benzyl chloride	126.6	0.02	0.18	0.93	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.04	0.37	2.22	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.01	0.14	0.76	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.04	0.40	2.96	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.05	0.48	3.54	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.47	184.72	499.69	184.72	499.69	499.69	499.69	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.23	89	89	89	89	89	89	89	89	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	2.02	4.82
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	0.88	4.83
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	184.72	499.69
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**70**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) / (Cstdni)] [(Cistdi) / (Aistdi)] Note: 1 i

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

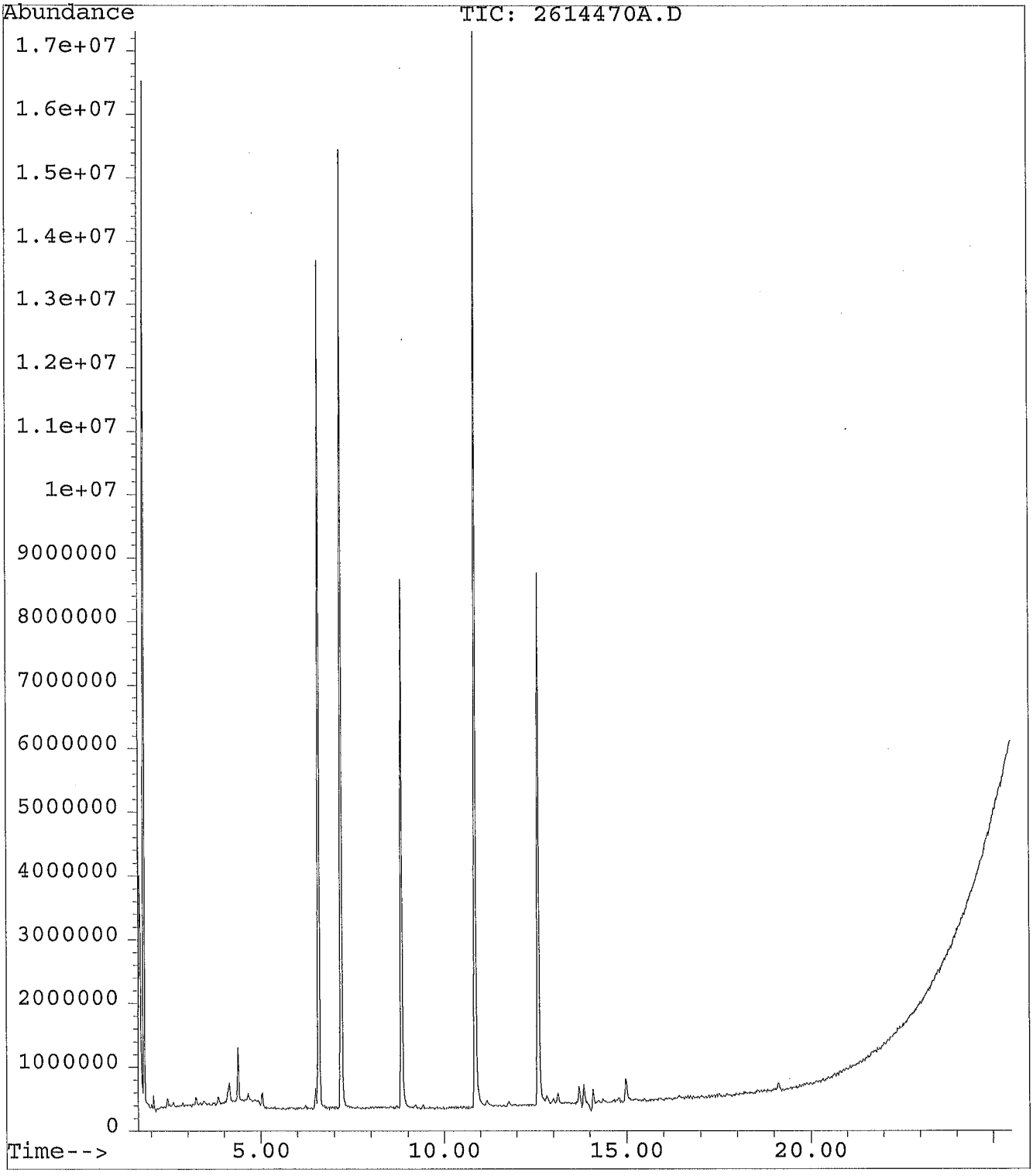
4) Amount ug/m3 = (amt(ppbv) × MW) / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	0	20.0	11338995	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	15973	20.0	11338995	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	93609	20.0	11338995	0.104	1.04	1.36
5	Chloromethane	PFB	SA	50.5	0.699	59469	20.0	11338995	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	15078	20.0	11338995	-4.584	-45.84	-320.82
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	11338995	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	11338995	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	28977	20.0	11338995	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	562018	20.0	11338995	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	11338995	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	11338995	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	11338995	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	92774	20.0	11338995	0.202	2.02	4.82
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	40222	20.0	11338995	0.019	0.19	0.47
16	t-Butyl alcohol	PFB	SA	74.1	0.895	28357	20.0	11338995	0.014	0.14	0.42
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	11338995	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	11338995	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	11338995	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	11338995	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	11338995	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	11338995	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	11338995	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	11338995	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	11338995	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	11338995	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	11338995	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	11338995	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	11338995	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	11338995	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	11338995	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	11338995	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	11338995	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	11338995	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	11338995	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	11338995	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	11338995	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	11338995	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	11338995	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	11338995	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	11338995	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	16004261	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	16004261	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	16004261	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	16004261	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	327985	20.0	16004261	0.104	1.04	3.33
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	16004261	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	16004261	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	16004261	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	16004261	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	16004261	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	16004261	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	16004261	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	16004261	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	16004261	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	16004261	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	16004261	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	16004261	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	104730	20.0	16004261	0.036	0.36	1.35
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	16004261	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	16004261	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	16004261	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	16004261	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	16004261	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	16004261	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	16004261	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	18485	20.0	16004261	0.010	0.10	0.75
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	16004261	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	24551	20.0	10277532	0.016	0.16	0.76
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10277532	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10277532	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10277532	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	17963	20.0	10277532	0.010	0.10	0.54
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10277532	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10277532	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10277532	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10277532	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10277532	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10277532	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	36547	20.0	10277532	0.012	0.12	0.60
84	Isopropylbenzene	d5CB	SA	120.2	0.859	25373	20.0	10277532	0.014	0.14	0.71
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	87878	20.0	10277532	0.045	0.45	2.20
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10277532	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	57032	20.0	10277532	0.022	0.22	1.29
88	tert-butyl benzene	d5CB	SA	134.2	1.036	33236	20.0	10277532	0.016	0.16	0.86
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10277532	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	52361	20.0	10277532	0.016	0.16	0.86

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10277532	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	38354	20.0	10277532	0.026	0.26	1.58
93	Isopropyltoluene	d5CB	SA	134.2	1.290	232960	20.0	10277532	0.088	0.88	4.83
94	Benzyl chloride	d5CB	SA	126.6	0.842	31218	20.0	10277532	0.018	0.18	0.93
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	58101	20.0	10277532	0.037	0.37	2.22
96	n-Butylbenzene	d5CB	SA	134.2	2.233	63565	20.0	10277532	0.014	0.14	0.76
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10277532	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10277532	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	16374	20.0	10277532	0.040	0.40	2.96
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10277532	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	15663	20.0	10277532	0.048	0.48	3.54
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10277532	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	13059436	20.0	10277532	18.472	184.72	499.69
1	Pentafluorobenzene		IS			11338995	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			16004261	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10277532	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			8049409	5.0		2.234	89.37	89

File : C:\MSCHEM\1\DATA\08046B_3\2614470A.D
Operator : KL
Acquired : 4 Aug 126 1:19 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-514
Misc Info : SCHMIDT
Vial Number: 1



Method Blank Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Method Blank QC Batch report for each DAB in this SDG.

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description: METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled: **Time:**
Date Analyzed: 8/3/2026 **Time:** 14:43
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.57	0.69	1.72	0.98	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	87	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled:
Date Analyzed: 8/3/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 14:43

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08036

File Name: B08036C.D
Description METHOD BLANK
Canister:
QC_Batch: 080326-MA1

Date Sampled:
Date Analyzed: 8/3/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 14:43

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08036		
File Name:	B08036C.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/3/2026	**Time:**	14:43
Anal Date:	3 Aug 126 2:43 pm	**SF:**	2	**QCbatch:**	080326-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.057	1.69	42.00	28362
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.112	6.49	78.00	173173
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	0.00	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	1.85	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5820917**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7843111**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7283839**
2037-26-5	Toluene-d8	61	SURR	2.186	8.85	98.00	**3858583**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08036
File Name: B08036C.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.06	0.57	0.98	0.57	0.98	0.98	0.98	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.11	1.12	3.59	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.19	87	87	87	87	87	87	87	2.5	2.5
0										
0										
0										

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=		Y	0.57	0.98
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08036**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) / (Cstdni)] [(Cistdi) / (Aistdi)] Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) (CDF)

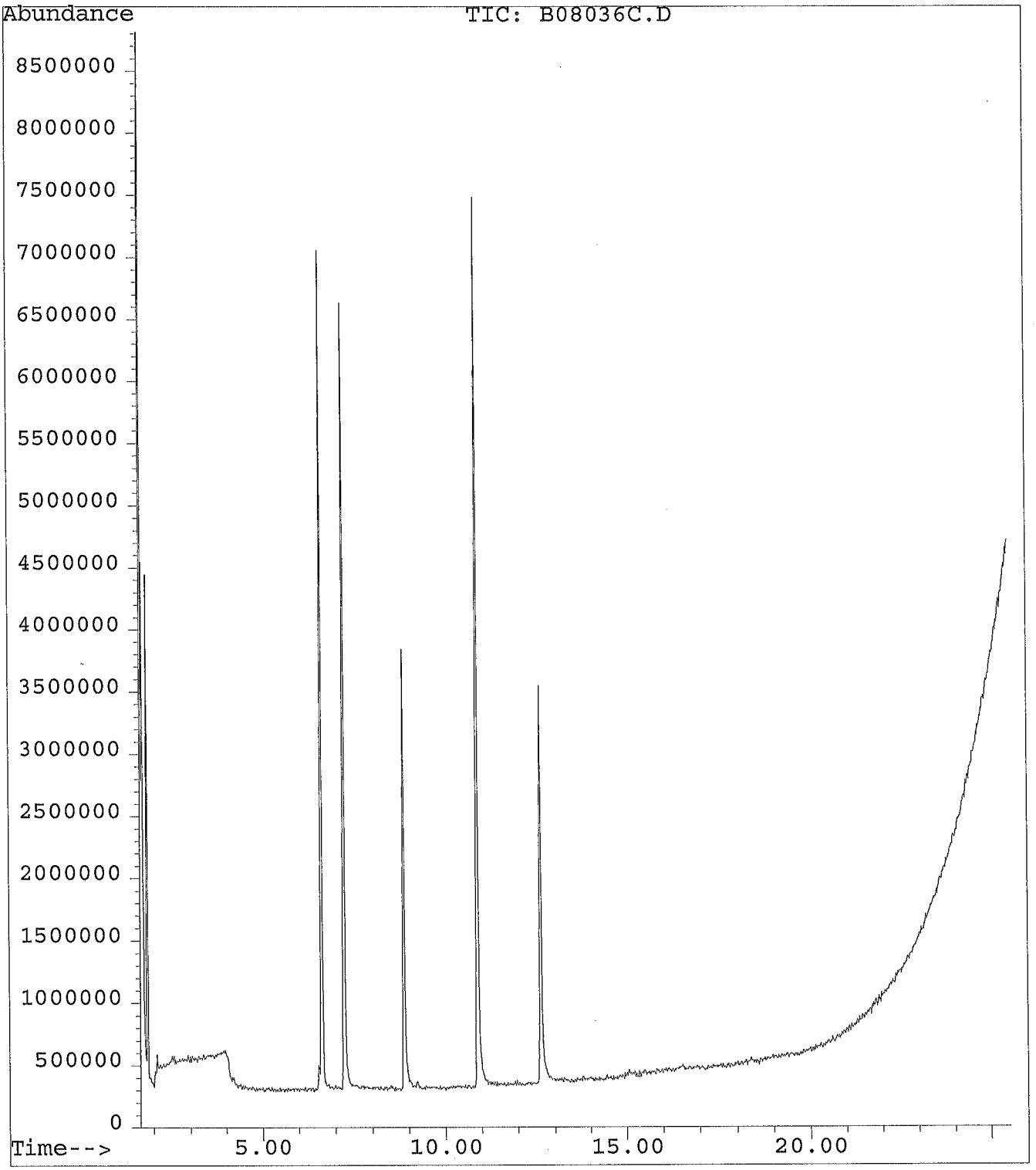
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	28362	20.0	5820917	0.057	0.57	0.98
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	5820917	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	5820917	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	5820917	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	5820917	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	5820917	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	5820917	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	5820917	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	5820917	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	5820917	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	5820917	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	5820917	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	0	20.0	5820917	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	5820917	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	5820917	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	5820917	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	5820917	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	5820917	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	5820917	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	5820917	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	5820917	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	5820917	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	5820917	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	5820917	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	5820917	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	5820917	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	5820917	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	5820917	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	5820917	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	5820917	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	5820917	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	5820917	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	5820917	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	5820917	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	5820917	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	5820917	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	5820917	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	5820917	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	5820917	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	5820917	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	7843111	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	7843111	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	7843111	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	7843111	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	173173	20.0	7843111	0.112	1.12	3.59
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	7843111	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	7843111	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	7843111	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	7843111	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	7843111	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	7843111	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	7843111	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	7843111	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	7843111	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	7843111	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	7843111	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	7843111	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	7843111	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	7843111	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	7843111	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	7843111	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	7843111	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	7843111	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	7843111	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	7843111	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	7843111	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	7843111	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	7283839	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	7283839	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	7283839	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	7283839	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	7283839	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	7283839	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	7283839	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	7283839	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	7283839	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	7283839	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	7283839	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	7283839	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	7283839	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	7283839	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	7283839	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	7283839	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	7283839	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	7283839	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	7283839	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	7283839	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	7283839	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	7283839	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	7283839	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	7283839	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	7283839	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	7283839	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	7283839	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	7283839	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	7283839	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	7283839	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7283839	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	7283839	0.000	0.00	0.00
1	Pentafluorobenzene		IS			5820917	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7843111	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7283839	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3858583	5.0		2.186	87.42	87

File : C:\MSCHEM\1\DATA\08036B_3\B08036C.D
Operator : KL
Acquired : 3 Aug 126 2:43 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/4/2026 **Time:** 12:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.48	0.69	1.72	0.82	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	86	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/4/2026 **Time:** 12:06
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08046

File Name: B08046D.D
Description METHOD BLANK
Canister:
QC_Batch: 080426-MA1

Date Sampled:
Date Analyzed: 8/4/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:06

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08046		
File Name:	B08046D.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/4/2026	**Time:**	12:06
Anal Date:	4 Aug 126 12:06 pm	**SF:**	2	**QCbatch:**	080426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.048	1.69	42.00	22410
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	28199
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	26009
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.105	4.13	58.00	23277
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl Iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.139	6.49	78.00	217113
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	11.84	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.070	13.71	105.00	116373
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	1.81	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5496670**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7954176**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7905865**
2037-26-5	Toluene-d8	61	SURR	2.158	8.85	98.00	**3864021**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08046
File Name: B08046D.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.05	0.48	0.82	0.48	0.82	0.82	0.82	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.10	1.05	2.49	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.39	4.44	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.07	0.70	3.43	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.16	86	86	86	86	86	86	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=	Y	Y	0.48	0.82
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00
ND		ND	Y	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08046**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni)(Cistdi) / (Cstdni)(Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp)(Cistdi) / (Avg RFn)(Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

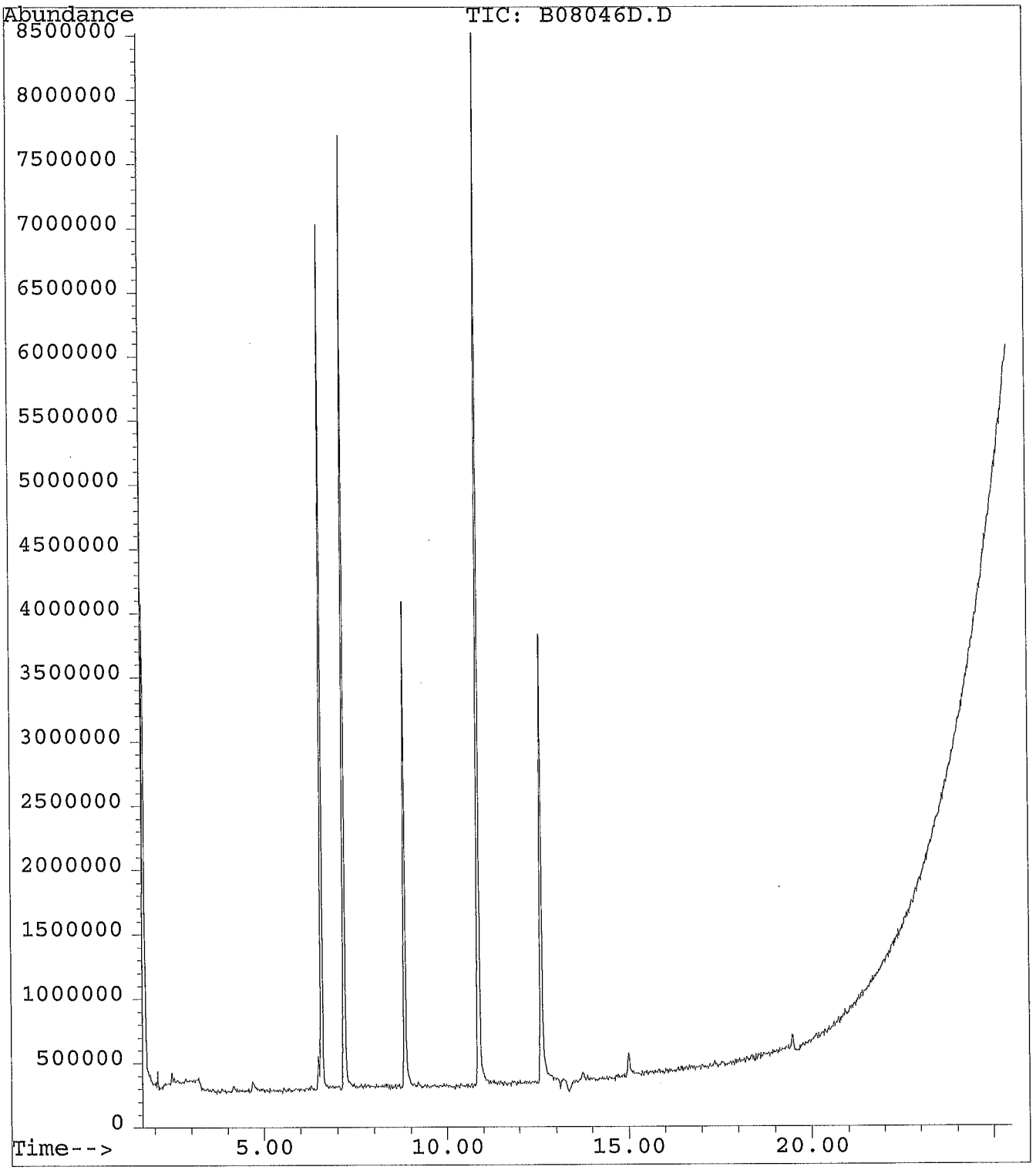
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	22410	20.0	5496670	0.048	0.48	0.82
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	5496670	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	5496670	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	28199	20.0	5496670	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	5496670	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	5496670	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	5496670	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	26009	20.0	5496670	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	5496670	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	5496670	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	5496670	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	5496670	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	23277	20.0	5496670	0.105	1.05	2.49
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	5496670	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	5496670	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	5496670	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	5496670	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	5496670	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	5496670	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	5496670	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	5496670	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	5496670	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	5496670	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	5496670	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	5496670	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	5496670	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	5496670	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	5496670	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	5496670	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	5496670	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	5496670	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	5496670	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	5496670	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	5496670	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	5496670	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	5496670	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	5496670	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	5496670	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	5496670	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	5496670	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	7954176	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	7954176	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	7954176	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	7954176	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	217113	20.0	7954176	0.139	1.39	4.44
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	7954176	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	7954176	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	7954176	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	7954176	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	7954176	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	7954176	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	7954176	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	7954176	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	7954176	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	7954176	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	7954176	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	7954176	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	7954176	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	7954176	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	7954176	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	7954176	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	7954176	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	7954176	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	7954176	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	7954176	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	7954176	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	7954176	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	7905865	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	7905865	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	7905865	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	7905865	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	7905865	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	7905865	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	7905865	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	7905865	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	7905865	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	7905865	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	7905865	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	7905865	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	7905865	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	7905865	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	7905865	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	7905865	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	7905865	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	116373	20.0	7905865	0.070	0.70	3.43
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	7905865	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	7905865	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	7905865	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	7905865	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	7905865	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	7905865	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	7905865	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	7905865	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	7905865	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	7905865	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	7905865	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	7905865	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7905865	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	7905865	0.000	0.00	0.00
1	Pentafluorobenzene		IS			5496670	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7954176	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7905865	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3864021	5.0		2.158	86.32	86

File : C:\MSCHEM\1\DATA\08046B_3\B08046D.D
Operator : KL
Acquired : 4 Aug 126 12:06 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description: METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled:
Date Analyzed: 8/5/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:01

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	82	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled:
Date Analyzed: 8/5/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:01

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08056

File Name: B08056C.D
Description METHOD BLANK
Canister:
QC_Batch: 080526-MA1

Date Sampled:
Date Analyzed: 8/5/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:01

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08056		
File Name:	B08056C.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/5/2026	**Time:**	11:01
Anal Date:	5 Aug 126 11:01 am	**SF:**	2	**QCbatch:**	080526-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Thu Aug 06 13:47:55 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.112	6.49	78.00	177847
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	0.00	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.001	13.87	105.00	3007
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	1.79	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6505667**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8086065**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7612804**
2037-26-5	Toluene-d8	61	SURR	2.056	8.85	98.00	**3742275**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08056
File Name: B08056C.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

#####

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.11	1.12	3.58	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.01	0.07	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.06	82	82	82	82	82	82	82	2.5	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08056**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

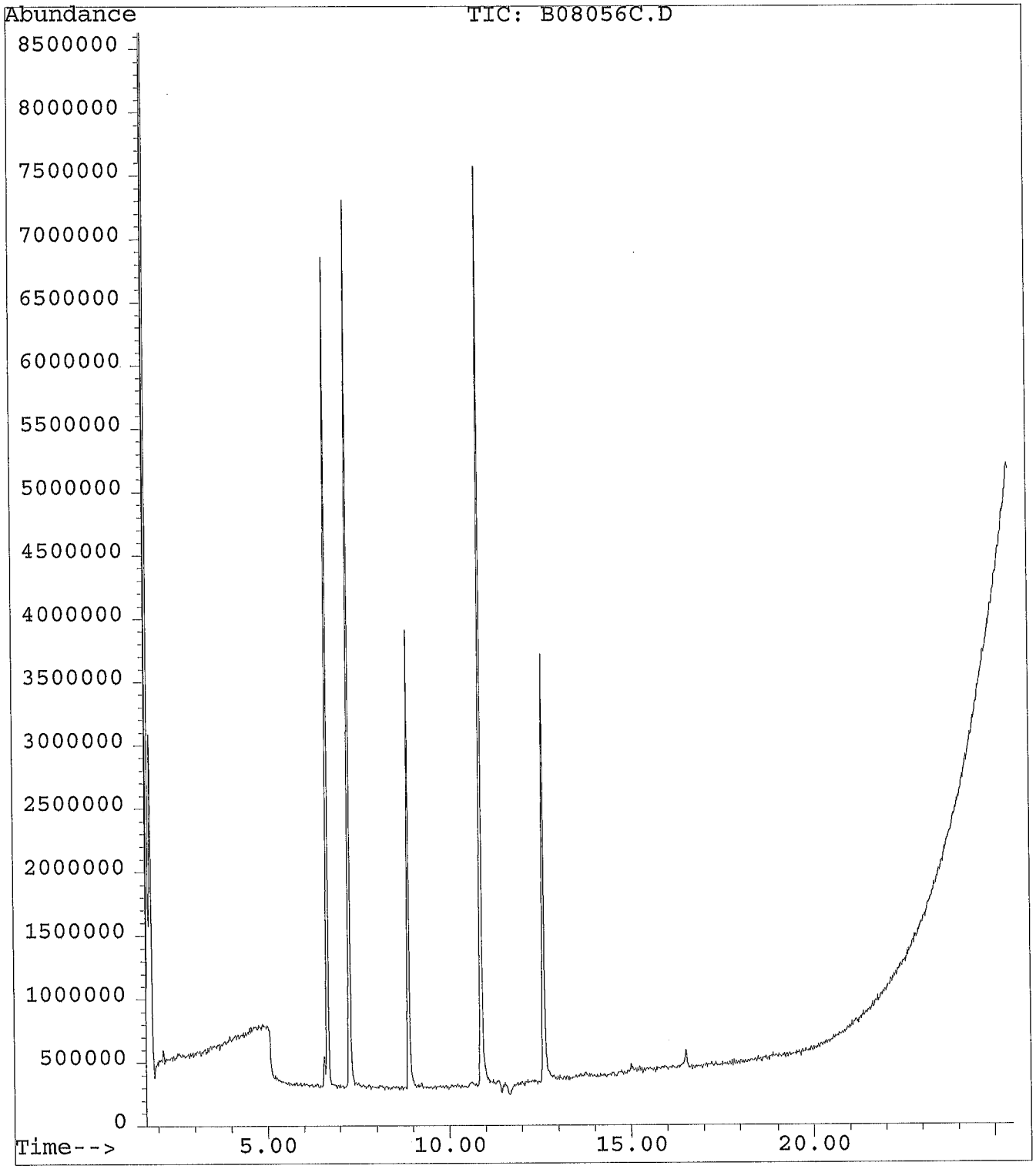
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	0	20.0	6505667	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	6505667	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	6505667	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	6505667	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	6505667	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	6505667	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	6505667	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	6505667	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	6505667	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	6505667	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	6505667	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	6505667	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	0	20.0	6505667	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	6505667	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	6505667	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	6505667	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	6505667	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	6505667	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	6505667	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	6505667	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	6505667	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	6505667	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	6505667	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	6505667	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	6505667	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	6505667	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	6505667	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	6505667	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	6505667	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	6505667	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	6505667	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	6505667	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	6505667	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	6505667	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	6505667	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	6505667	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	6505667	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	6505667	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	6505667	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	6505667	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	8086065	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	8086065	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	8086065	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	8086065	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	177847	20.0	8086065	0.112	1.12	3.58
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	8086065	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	8086065	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	8086065	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	8086065	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	8086065	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	8086065	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	8086065	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	8086065	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	8086065	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	8086065	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	8086065	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	8086065	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	8086065	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	8086065	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	8086065	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	8086065	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	8086065	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	8086065	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	8086065	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	8086065	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	8086065	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	8086065	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	7612804	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	7612804	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	7612804	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	7612804	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	7612804	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	7612804	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	7612804	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	7612804	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	7612804	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	7612804	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	7612804	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	7612804	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	7612804	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	7612804	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	7612804	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	7612804	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	7612804	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	7612804	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	7612804	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	3007	20.0	7612804	0.001	0.01	0.07
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	7612804	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	7612804	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	7612804	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	7612804	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	7612804	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	7612804	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	7612804	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	7612804	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	7612804	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	7612804	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7612804	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	7612804	0.000	0.00	0.00
1	Pentafluorobenzene		IS			6505667	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8086065	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7612804	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3742275	5.0		2.056	82.24	82

File : C:\MSCHEM\1\DATA\08056B_3\B08056C.D
Operator : KL
Acquired : 5 Aug 126 11:01 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled: **Time:**
Date Analyzed: 8/6/2026 **Time:** 11:54
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	91	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled:
Date Analyzed: 8/6/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:54

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08066

File Name: B08066D.D
Description METHOD BLANK
Canister:
QC_Batch: 080626-MA1

Date Sampled:
Date Analyzed: 8/6/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:54

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08066		
File Name:	B08066D.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	11:54
Anal Date:	6 Aug 126 11:54 am	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.132	6.49	78.00	194535
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	11.90	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	1.79	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5105071**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7472584**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7484951**
2037-26-5	Toluene-d8	61	SURR	2.279	8.85	98.00	**3833892**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08066
File Name: B08066D.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.32	4.23	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.28	91	91	91	91	91	91	91	91	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08066**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) / (Cstdni)] [(Cistdi) / (Aistdi)] Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) (CDF)

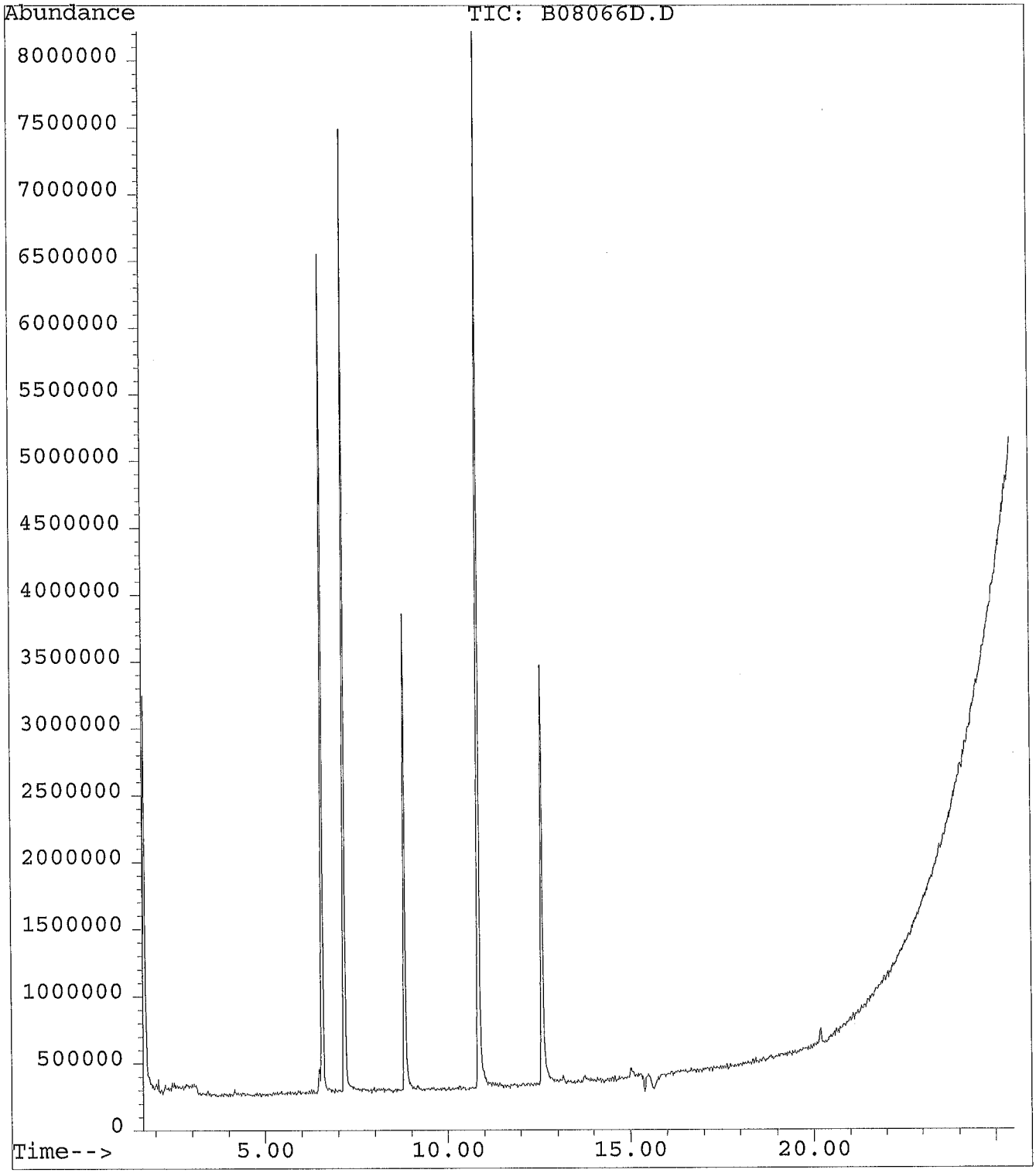
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	0	20.0	5105071	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	5105071	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	5105071	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	5105071	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	5105071	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	5105071	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	5105071	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	5105071	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	5105071	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	5105071	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	5105071	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	5105071	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	0	20.0	5105071	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	5105071	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	5105071	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	5105071	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	5105071	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	5105071	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	5105071	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	5105071	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	5105071	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	5105071	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	5105071	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	5105071	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	5105071	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	5105071	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	5105071	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	5105071	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	5105071	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	5105071	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	5105071	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	5105071	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	5105071	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	5105071	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	5105071	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	5105071	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	5105071	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	5105071	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	5105071	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	5105071	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	7472584	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	7472584	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	7472584	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	7472584	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	194535	20.0	7472584	0.132	1.32	4.23
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	7472584	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	7472584	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	7472584	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	7472584	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	7472584	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	7472584	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	7472584	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	7472584	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	7472584	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	7472584	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	7472584	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	7472584	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	7472584	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	7472584	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	7472584	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	7472584	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	7472584	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	7472584	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	7472584	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	7472584	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	7472584	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	7472584	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	7484951	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	7484951	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	7484951	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	7484951	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	7484951	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	7484951	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	7484951	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	7484951	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	7484951	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	7484951	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	7484951	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	7484951	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	7484951	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	7484951	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	7484951	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	7484951	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	7484951	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	7484951	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	7484951	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	7484951	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	7484951	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	7484951	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	7484951	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	7484951	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	7484951	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	7484951	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	7484951	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	7484951	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	7484951	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	7484951	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7484951	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	7484951	0.000	0.00	0.00
1	Pentafluorobenzene		IS			5105071	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7472584	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7484951	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3833892	5.0		2.279	91.17	91

File : C:\MSCHEM\1\DATA\08066B_3\B08066D.D
Operator : KL
Acquired : 6 Aug 126 11:54 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description: METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled:
Date Analyzed: 8/7/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:58

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled: **Time:**
Date Analyzed: 8/7/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08076

File Name: B08076D.D
Description METHOD BLANK
Canister:
QC_Batch: 080726-MA1

Date Sampled:
Date Analyzed: 8/7/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:58

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08076		
File Name:	B08076D.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	11:58
Anal Date:	7 Aug 126 11:58 am	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.100	4.13	58.00	33344
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.104	6.49	78.00	258162
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	1.83	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**8265097**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**12644696**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**12109418**
2037-26-5	Toluene-d8	61	SURR	2.394	8.85	98.00	**6815335**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08076
File Name: B08076D.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.10	1.00	2.38	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.10	1.04	3.32	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8		2.39	96	96	96	96	96	96	96	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

ND	ND	0.00	0.00	
ND	ND	0.00	0.00	
ND	ND	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08076**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdnl) / (Cstdni)] [(Cistdi) / (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Alstdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

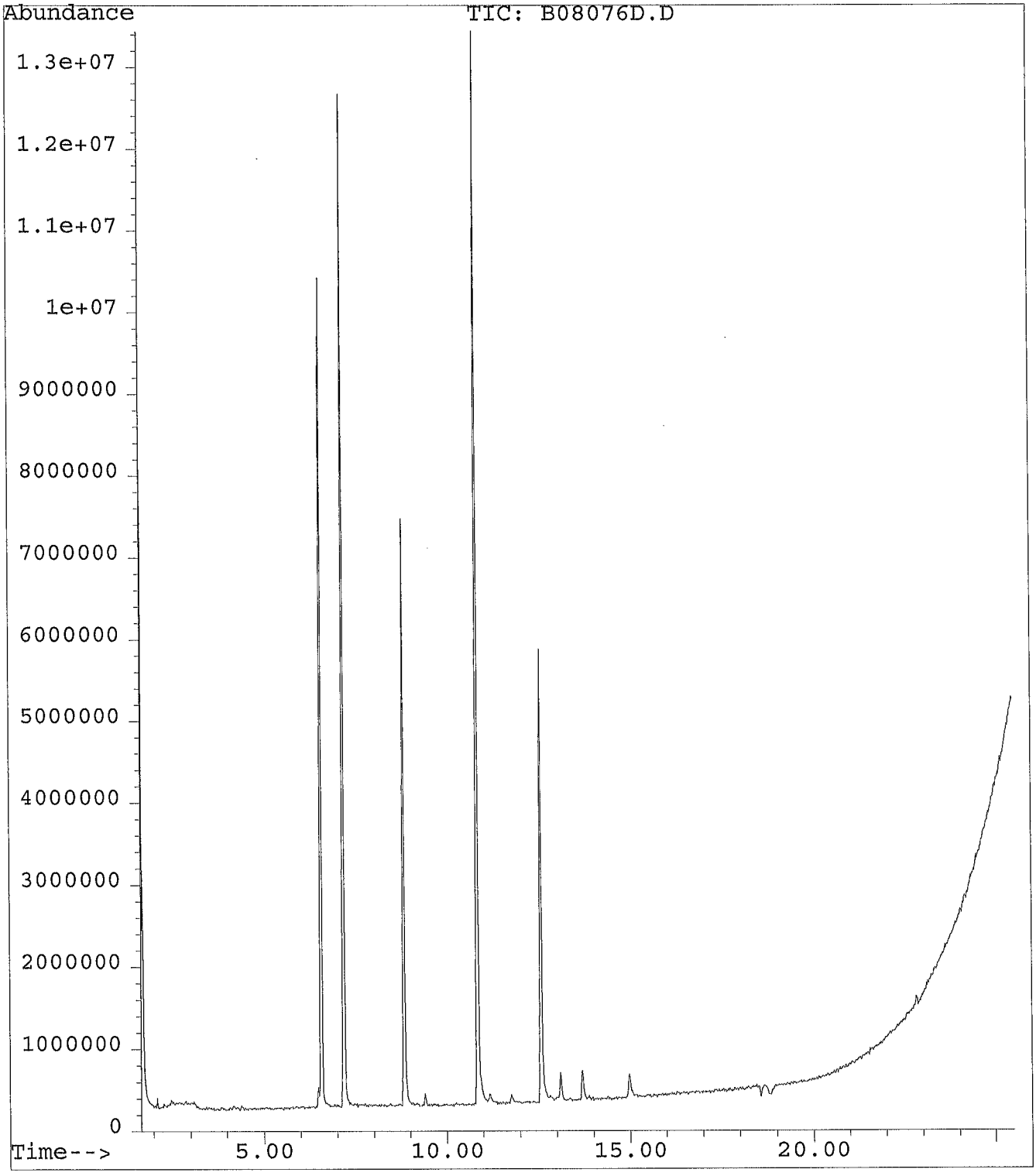
4) Amount ug/m3 = (amt(ppbv) × MW) / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	0	20.0	8265097	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	8265097	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	8265097	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	8265097	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	8265097	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	8265097	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	8265097	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	8265097	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	8265097	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	8265097	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	8265097	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	8265097	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	33344	20.0	8265097	0.100	1.00	2.38
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	8265097	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	8265097	0.000	0.00	0.00
17	Methyl Iodide	PFB	MB	142.9	0.305	0	20.0	8265097	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	8265097	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	8265097	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	8265097	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	8265097	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	8265097	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	8265097	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	8265097	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	8265097	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	8265097	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	8265097	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	8265097	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	8265097	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	8265097	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	8265097	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	8265097	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	8265097	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	8265097	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	8265097	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	8265097	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	8265097	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	8265097	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	8265097	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	8265097	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	8265097	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	12644696	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	12644696	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	12644696	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	12644696	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	258162	20.0	12644696	0.104	1.04	3.32
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	12644696	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	12644696	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	12644696	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	12644696	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	12644696	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	12644696	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	12644696	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	12644696	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	12644696	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	12644696	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	12644696	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	12644696	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	12644696	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	12644696	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	12644696	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	12644696	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	12644696	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	12644696	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	12644696	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	12644696	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	12644696	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	12644696	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	12109418	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	12109418	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	12109418	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	12109418	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	12109418	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	12109418	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	12109418	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	12109418	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	12109418	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	12109418	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	12109418	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	12109418	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	12109418	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	12109418	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	12109418	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	12109418	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	12109418	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	12109418	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	12109418	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	12109418	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	12109418	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	12109418	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	12109418	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	12109418	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	12109418	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	12109418	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	12109418	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	12109418	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	12109418	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	12109418	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	12109418	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	12109418	0.000	0.00	0.00
1	Pentafluorobenzene		IS			8265097	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			12644696	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			12109418	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6815335	5.0		2.394	95.78	96

File : C:\MSCHEM\1\DATA\08076B_3\B08076D.D
Operator : KL
Acquired : 7 Aug 126 11:58 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled:
Date Analyzed: 8/10/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 12:16

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	92	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled:
Date Analyzed: 8/10/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 12:16

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08106

File Name: B08106D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801026-MA1

Date Sampled:
Date Analyzed: 8/10/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:16

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08106		
File Name:	B08106D.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/10/2026	**Time:**	12:16
Anal Date:	10 Aug 126 12:16 pm	**SF:**	2	**QCbatch:**	0801026-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.109	4.13	58.00	17337
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.134	6.49	78.00	162485
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	0.00	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	1.83	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3919853**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6144642**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**6291222**
2037-26-5	Toluene-d8	61	SURR	2.299	8.85	98.00	**3179572**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08106
File Name: B08106D.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.11	1.09	2.60	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.34	4.30	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.30	92	92	92	92	92	92	92	92	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08106**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\ \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}\ (CDF)$

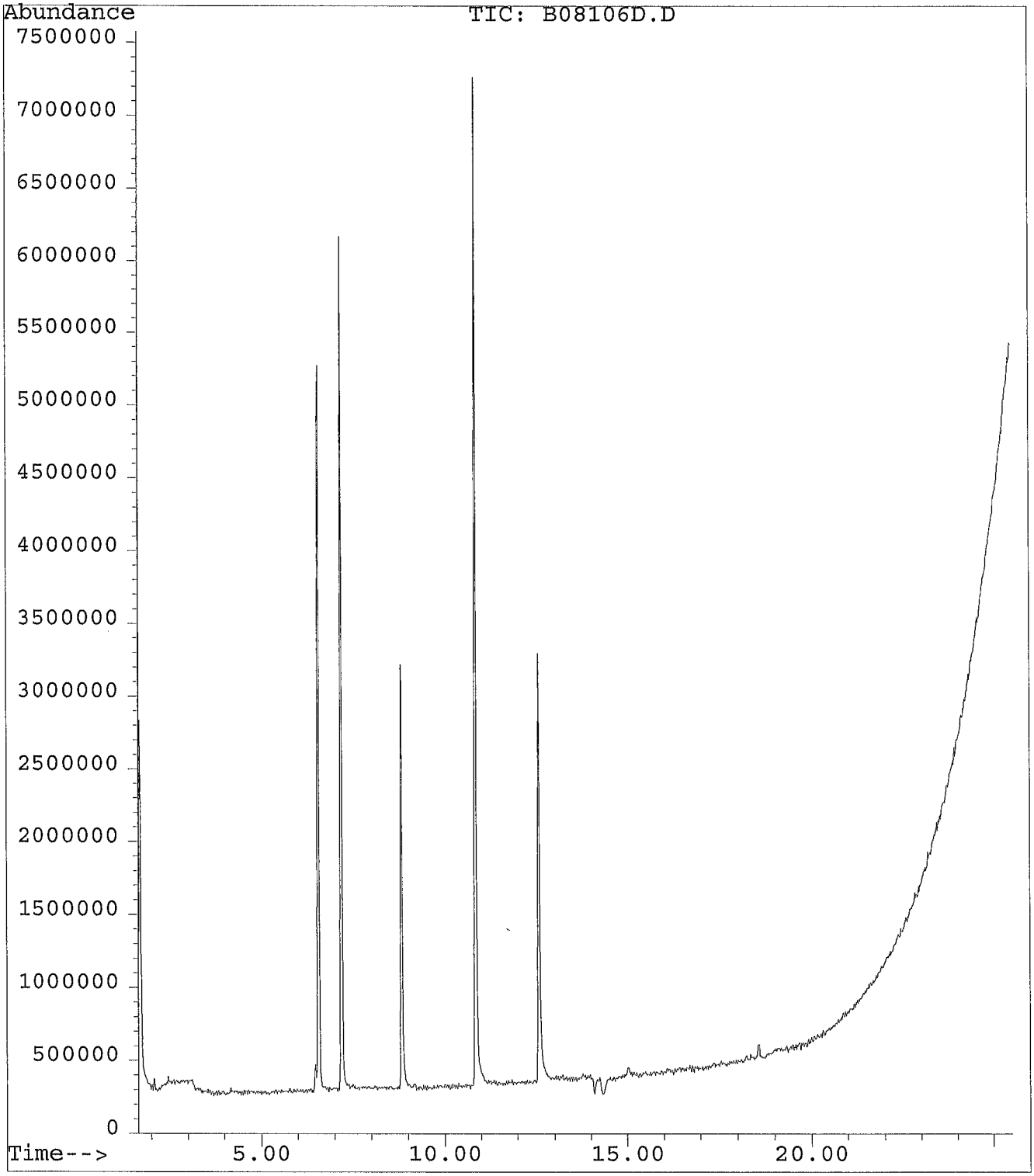
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	0	20.0	3919853	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	3919853	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	3919853	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	3919853	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	3919853	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	3919853	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	3919853	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	3919853	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	3919853	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	3919853	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	3919853	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	3919853	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	17337	20.0	3919853	0.109	1.09	2.60
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	3919853	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	3919853	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	3919853	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	3919853	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	3919853	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	3919853	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	3919853	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	3919853	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	3919853	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	3919853	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	3919853	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	3919853	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	3919853	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	3919853	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	3919853	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	3919853	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	3919853	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	3919853	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	3919853	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	3919853	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	3919853	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	3919853	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	3919853	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	3919853	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	3919853	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	3919853	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	3919853	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	6144642	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	6144642	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	6144642	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	6144642	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	162485	20.0	6144642	0.134	1.34	4.30
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	6144642	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	6144642	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	6144642	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	6144642	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	6144642	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	6144642	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	6144642	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	6144642	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	6144642	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	6144642	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	6144642	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	6144642	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	6144642	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	6144642	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	6144642	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	6144642	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	6144642	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	6144642	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	6144642	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	6144642	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	6144642	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	6144642	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	6291222	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	6291222	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	6291222	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	6291222	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	6291222	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	6291222	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	6291222	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	6291222	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	6291222	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	6291222	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	6291222	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	6291222	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	6291222	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	6291222	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	6291222	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	6291222	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	6291222	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	6291222	0.000	0.00	0.00
90	I-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	6291222	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	6291222	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	6291222	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	6291222	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	6291222	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	6291222	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	6291222	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	6291222	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	6291222	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	6291222	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	6291222	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	6291222	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	6291222	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	6291222	0.000	0.00	0.00
1	Pentafluorobenzene		IS			3919853	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6144642	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			6291222	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3179572	5.0		2.299	91.95	92

File : C:\MSCHEM\1\DATA\08106B_3\B08106D.D
Operator : KL
Acquired : 10 Aug 126 12:16 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled:
Date Analyzed: 8/11/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 11:58

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.89	0.69	1.72	1.54	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	99	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled: **Time:**
Date Analyzed: 8/11/2026 **Time:** 11:58
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08116

File Name: B08116D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801126-MA1

Date Sampled:
Date Analyzed: 8/11/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:58

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08116		
File Name:	B08116D.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	11:58
Anal Date:	11 Aug 126 11:58 am	**SF:**	2	**QCbatch:**	0801126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.089	1.69	42.00	43238
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.128	6.49	78.00	228274
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	11.86	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	1.88	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5648477**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9075098**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8967119**
2037-26-5	Toluene-d8	61	SURR	2.471	8.85	98.00	**5048748**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08116
File Name: B08116D.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.09	0.89	1.54	0.89	1.54	1.54	1.54	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.28	4.09	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.47	99	99	99	99	99	99	99	2.5	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=		Y	0.89	1.54
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08116**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

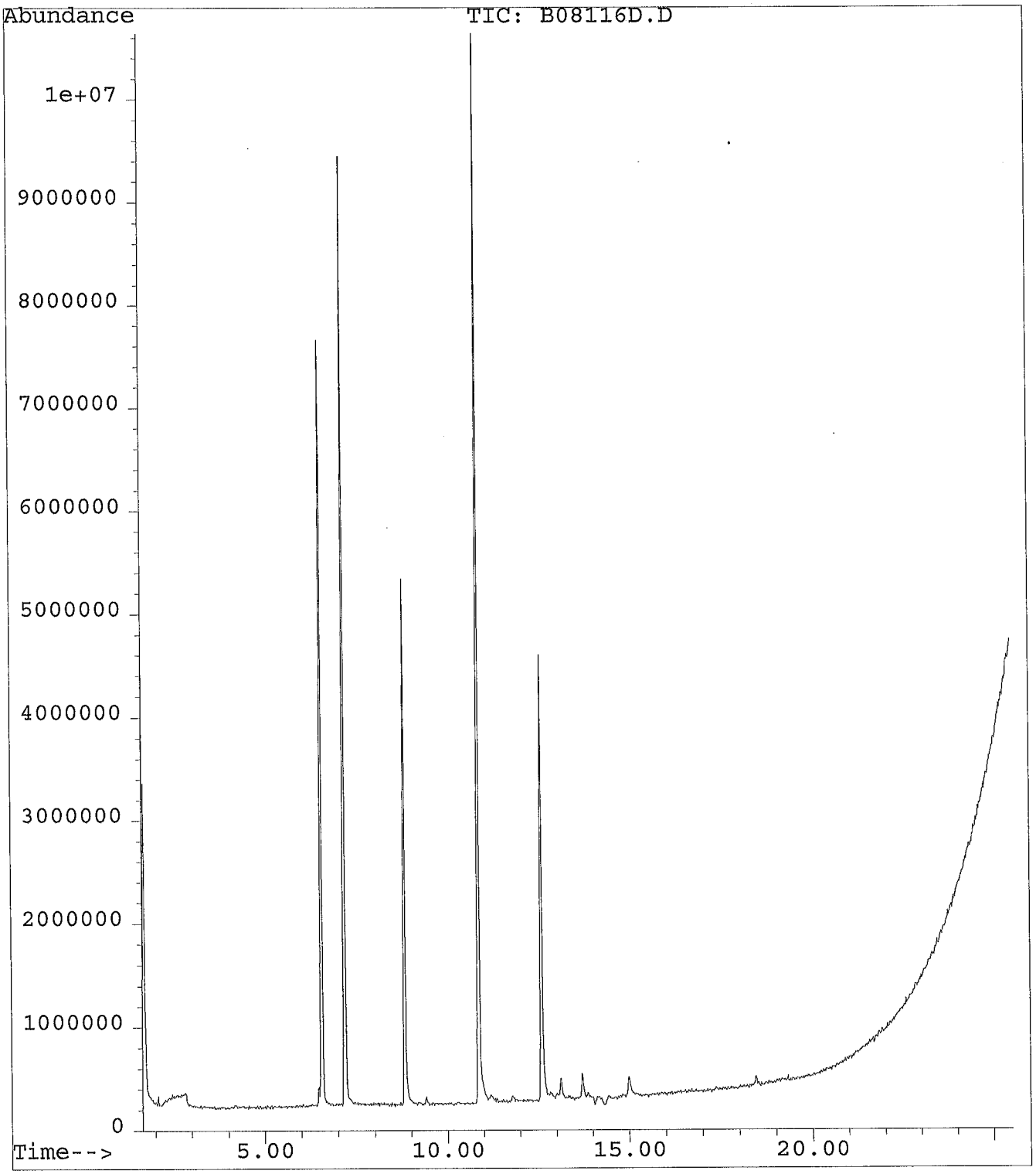
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	43238	20.0	5648477	0.089	0.89	1.54
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	5648477	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	5648477	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	5648477	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	5648477	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	5648477	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	5648477	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	5648477	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	5648477	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	5648477	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	5648477	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	5648477	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	0	20.0	5648477	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	5648477	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	5648477	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	5648477	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	5648477	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	5648477	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	5648477	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	5648477	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	5648477	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	5648477	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	5648477	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	5648477	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	5648477	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	5648477	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	5648477	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	5648477	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	5648477	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	5648477	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	5648477	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	5648477	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	5648477	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	5648477	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	5648477	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	5648477	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	5648477	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	5648477	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	5648477	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	5648477	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	9075098	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	9075098	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	9075098	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	9075098	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	228274	20.0	9075098	0.128	1.28	4.09
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	9075098	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	9075098	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	9075098	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	9075098	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	9075098	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	9075098	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	9075098	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	9075098	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	9075098	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	9075098	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	9075098	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	9075098	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	9075098	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	9075098	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	9075098	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	9075098	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	9075098	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	9075098	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	9075098	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	9075098	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	9075098	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	9075098	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	8967119	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	8967119	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	8967119	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	8967119	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	8967119	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	8967119	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	8967119	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	8967119	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	8967119	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	8967119	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	8967119	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	8967119	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	8967119	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	8967119	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	8967119	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	8967119	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	8967119	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	8967119	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	8967119	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	8967119	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	8967119	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	8967119	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	8967119	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	8967119	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	8967119	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	8967119	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	8967119	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	8967119	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	8967119	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	8967119	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8967119	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	8967119	0.000	0.00	0.00
1	Pentafluorobenzene		IS			5648477	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9075098	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8967119	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5048748	5.0		2.471	98.86	99

File : C:\MSCHEM\1\DATA\08116B_3\B08116D.D
Operator : KL
Acquired : 11 Aug 126 11:58 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled: **Time:**
Date Analyzed: 8/12/2026 **Time:** 11:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled: **Time:**
Date Analyzed: 8/12/2026 **Time:** 11:46
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08126

File Name: B08126D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801226-MA1

Date Sampled:
Date Analyzed: 8/12/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 11:46

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08126		
File Name:	B08126D.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/12/2026	**Time:**	11:46
Anal Date:	12 Aug 126 11:46 am	**SF:**	2	**QCbatch:**	0801226-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl Iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.000	6.49	78.00	0
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	11.86	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	2.10	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**3173626**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**5097339**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**5285692**
2037-26-5	Toluene-d8	61	SURR	2.369	8.85	98.00	**2718182**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08126
File Name: B08126D.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.00	0.00	0.00	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.37	95	95	95	95	95	95	95	95	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**
Laboratory Number:		**B08126**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\frac{(Cistdi)}{(Aistdi)}\right|_i$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)}\frac{(Cistdi)}{(Aistdi)}$ = Cn

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

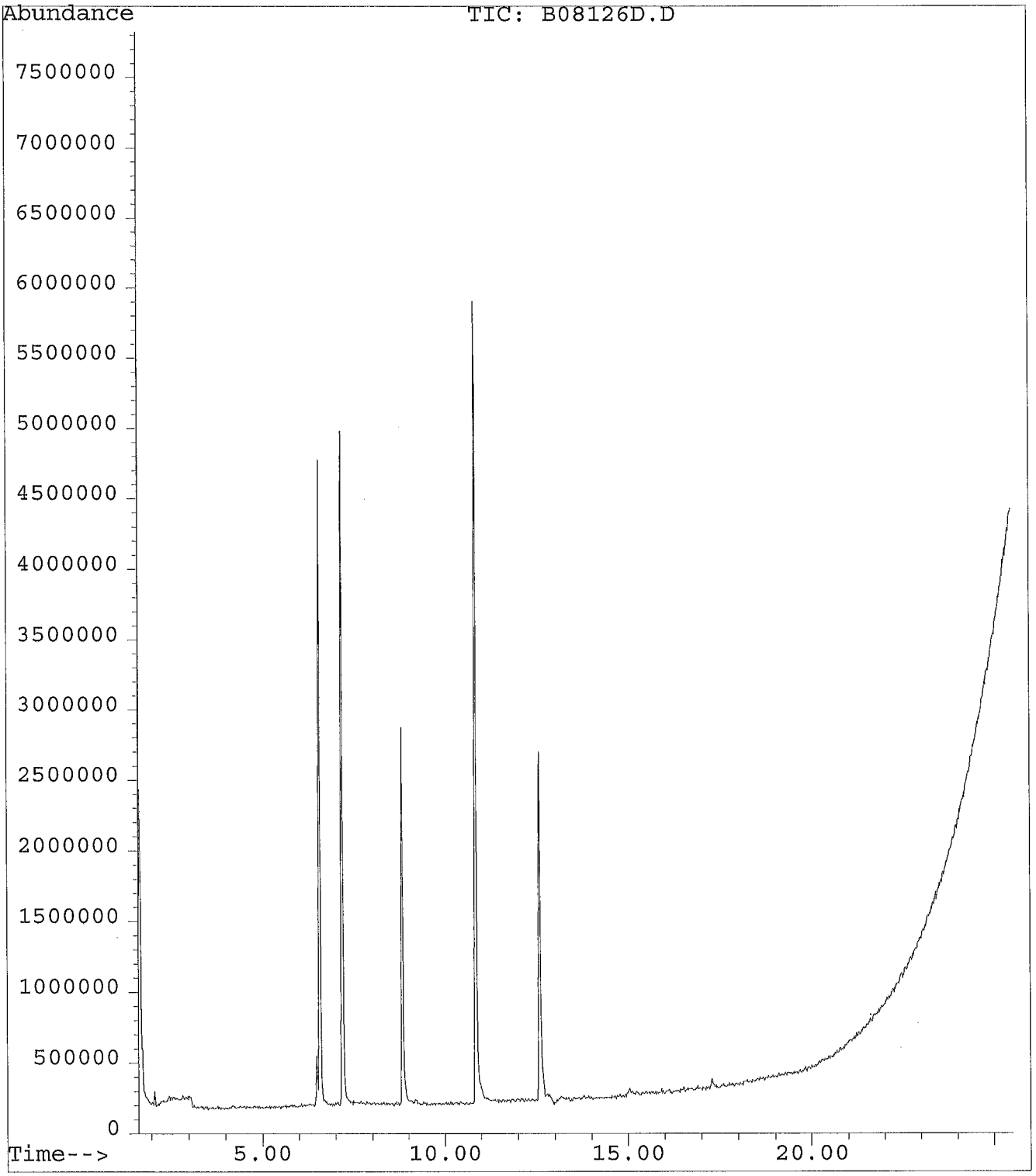
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	0	20.0	3173626	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	3173626	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	3173626	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	3173626	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	3173626	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	3173626	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	3173626	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	3173626	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	3173626	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	3173626	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	3173626	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	3173626	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	0	20.0	3173626	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	3173626	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	3173626	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	3173626	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	3173626	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	3173626	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	3173626	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	3173626	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	3173626	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	3173626	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	3173626	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	3173626	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	3173626	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	3173626	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	3173626	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	3173626	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	3173626	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	3173626	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	3173626	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	3173626	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	3173626	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	3173626	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	3173626	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	3173626	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	3173626	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	3173626	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	3173626	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	3173626	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	5097339	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	5097339	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	5097339	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	5097339	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	0	20.0	5097339	0.000	0.00	0.00
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	5097339	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	5097339	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	5097339	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	5097339	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	5097339	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	5097339	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	5097339	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	5097339	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	5097339	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	5097339	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	5097339	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	5097339	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	5097339	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	5097339	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	5097339	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	5097339	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	5097339	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	5097339	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	5097339	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	5097339	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	5097339	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	5097339	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	5285692	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	5285692	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	5285692	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	5285692	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	5285692	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	5285692	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	5285692	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	5285692	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	5285692	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	5285692	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	5285692	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	5285692	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	5285692	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	5285692	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	5285692	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	5285692	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	5285692	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	5285692	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	5285692	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	5285692	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	5285692	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	5285692	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	5285692	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	5285692	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	5285692	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	5285692	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	5285692	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	5285692	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	5285692	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	5285692	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	5285692	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	5285692	0.000	0.00	0.00
1	Pentafluorobenzene		IS			3173626	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			5097339	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			5285692	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			2718182	5.0		2.369	94.76	95

File : C:\MSCHEM\1\DATA\08126B_3\B08126D.D
Operator : KL
Acquired : 12 Aug 126 11:46 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description: METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled: **Time:**
Date Analyzed: 8/14/2026 **Time:** 12:25
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	ND	0.69	1.72	ND	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	94	70	130	

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled:
Date Analyzed: 8/14/2026
Can Dilution Factor: 1.00
Air Volume: 100 ml

Time:
Time: 12:25

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	ND	2.71	3.25	ND	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: LABQC
Laboratory ID: B08146

File Name: B08146D.D
Description METHOD BLANK
Canister:
QC_Batch: 0801426-MA1

Date Sampled:
Date Analyzed: 8/14/2026
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

Time:
Time: 12:25

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	LABQC		
				EAS ID:	B08146		
File Name:	B08146D.D	**Method:**	TO-15	**Date Sampled:**	NA	**Time:**	NA
Sample ID:	METHOD BLANK	**Matrix:**	AA	**Date Received:**	NA	**Time:**	NA
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/14/2026	**Time:**	12:25
Anal Date:	14 Aug 126 12:25 pm	**SF:**	2	**QCbatch:**	0801426-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	MB	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	MB		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	MB	0.000	1.69	42.00	0
75-71-8	Dichlorodifluoromethane	3	MB	0.000	1.74	85.00	0
67-56-1	Methanol	4	MB	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	MB	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	MB	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	MB	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	MB	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	MB	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	MB	0.000	2.68	64.00	0
64-17-5	Ethanol	11	MB	0.000	3.39	46.00	0
107-02-8	Acrolein	12	MB	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	MB	0.000	2.78	101.00	0
67-64-1	Acetone	14	MB	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	MB	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	MB	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	MB	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	MB	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	MB	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	MB	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	MB	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	MB	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	MB	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	MB	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	MB	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	MB	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	MB	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	MB	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	MB	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	MB	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	MB	0.000	4.81	87.00	0
110-54-3	Hexane	32	MB	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	MB	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	MB	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	MB	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	MB	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	MB	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	MB	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	MB	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	MB	0.000	5.64	77.00	0
67-66-3	Chloroform	41	MB	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	MB	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	MB	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	MB	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	MB	0.000	5.78	56.00	0
71-43-2	Benzene	47	MB	0.000	6.49	78.00	0
56-23-5	Carbon tetrachloride	48	MB	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	MB	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	MB	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	MB	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	MB	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	MB	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	MB	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	MB	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	MB	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	MB	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	MB	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	MB	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	MB	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	MB	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	MB	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	MB	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	MB	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	MB	0.000	10.00	76.00	0
111-65-9	Octane	67	MB	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	MB	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	MB	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	MB	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	MB	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	MB	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	MB	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	MB	0.000	11.15	91.00	0
111-84-2	Nonane	76	MB	0.000	10.86	57.00	0
100-42-5	Styrene	77	MB	0.000	11.83	104.00	0
75-25-2	Bromoform	78	MB	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	MB	0.000	0.00	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	MB	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	MB	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	MB	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	MB	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	MB	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	MB	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	MB	0.000	13.12	105.00	0
124-18-5	Decane	87	MB	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	MB	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	MB	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	MB	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	MB	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	MB	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	MB	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	MB	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	MB	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	MB	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	MB	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	MB	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	MB	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	MB	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	MB	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	0.000	2.12	51.00	0
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**2903946**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**4615717**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**4872426**
2037-26-5	Toluene-d8	61	SURR	2.341	8.85	98.00	**2432225**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: LABQC
Laboratory Number: B08146
File Name: B08146D.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	MB
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	MB
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	0.69	1.00	1.72	U
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.00	0.00	0.00	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0	0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0	0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0	0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0	0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0	0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0	0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	0.00	0.00	0.00	ND	ND	0	0.250	0.300	1.00	2.71	1.20	3.25	U
Pentafluorobenzene		5.00						5.0	5.0					
1,4-Difluorobenzene		5.00						5.0	5.0					
Chlorobenzene-d5		5.00						5.0	5.0					

Toluene-d8	2.34	94	94	94	94	94	94	94	94	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00
ND	ND	Y	0.00	0.00	0.00

ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	
ND	ND	Y	0.00	0.00	

$$Y =$$

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**LABQC**	
Laboratory Number:		**B08146**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

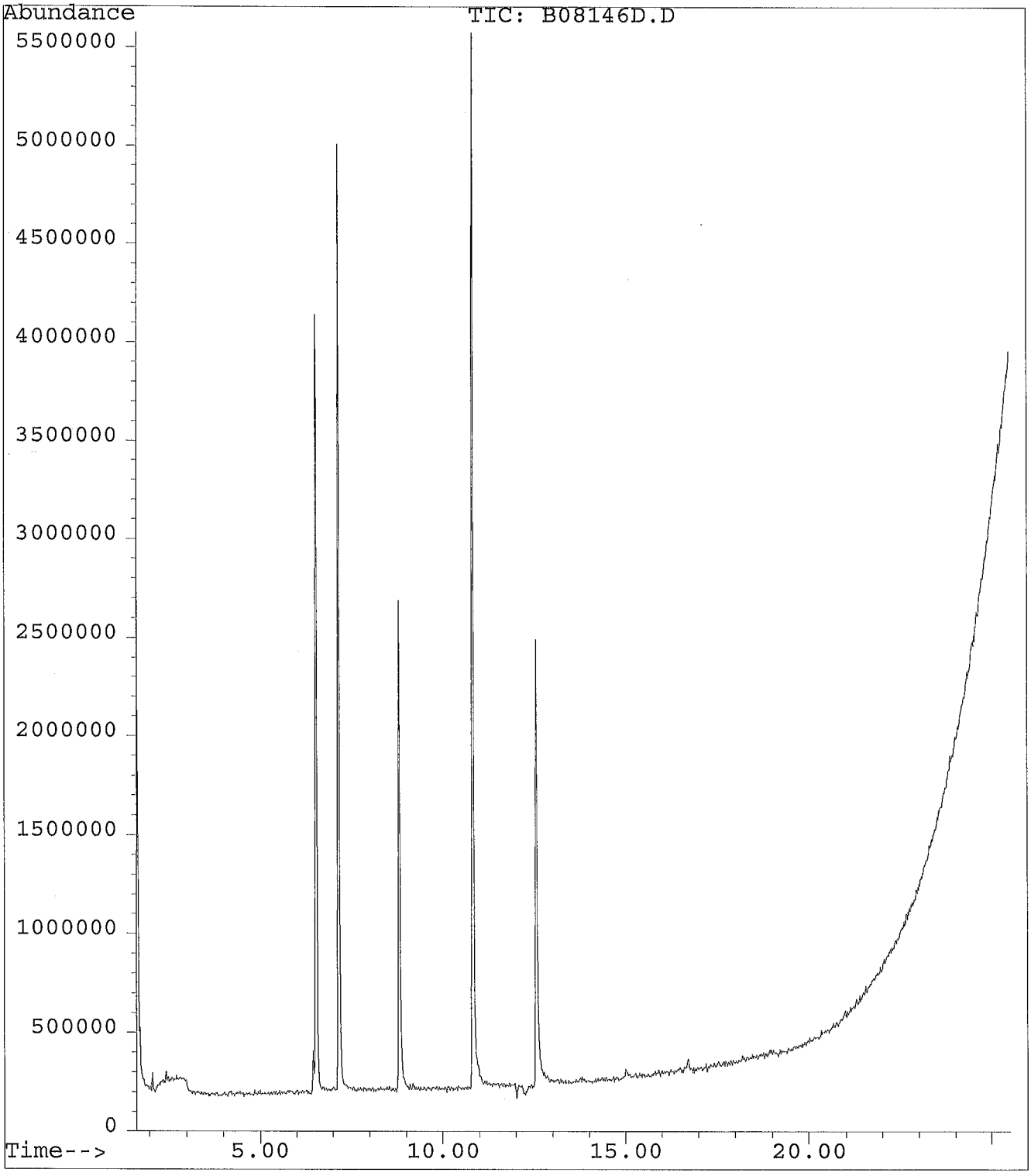
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	MB	42.1	0.429	0	20.0	2903946	0.000	0.00	0.00
3	Dichlorodifluoromethane	PFB	MB	120.9	0.986	0	20.0	2903946	0.000	0.00	0.00
4	Methanol	PFB	MB	32.0	0.397	0	20.0	2903946	0.000	0.00	0.00
5	Chloromethane	PFB	MB	50.5	0.699	0	20.0	2903946	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	MB	170.9	1.135	0	20.0	2903946	0.000	0.00	0.00
7	Vinyl chloride	PFB	MB	62.5	0.617	0	20.0	2903946	0.000	0.00	0.00
8	1,3-Butadiene	PFB	MB	54.1	0.326	0	20.0	2903946	0.000	0.00	0.00
9	Bromomethane	PFB	MB	94.9	0.331	0	20.0	2903946	0.000	0.00	0.00
10	Chloroethane	PFB	MB	64.5	0.204	0	20.0	2903946	0.000	0.00	0.00
11	Ethanol	PFB	MB	46.1	0.098	0	20.0	2903946	0.000	0.00	0.00
12	Acrolein	PFB	MB	56.1	0.121	0	20.0	2903946	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	MB	137.4	0.609	0	20.0	2903946	0.000	0.00	0.00
14	Acetone	PFB	MB	58.1	0.202	0	20.0	2903946	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	MB	60.1	0.927	0	20.0	2903946	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	MB	74.1	0.895	0	20.0	2903946	0.000	0.00	0.00
17	Methyl iodide	PFB	MB	142.9	0.305	0	20.0	2903946	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	MB	96.9	0.932	0	20.0	2903946	0.000	0.00	0.00
19	Acrylonitrile	PFB	MB	53.1	0.275	0	20.0	2903946	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	MB	187.4	0.449	0	20.0	2903946	0.000	0.00	0.00
21	Allyl chloride	PFB	MB	76.5	0.055	0	20.0	2903946	0.000	0.00	0.00
22	Methylene chloride	PFB	MB	84.9	0.302	0	20.0	2903946	0.000	0.00	0.00
23	Carbon disulfide	PFB	MB	76.1	0.627	0	20.0	2903946	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	MB	96.9	0.392	0	20.0	2903946	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	MB	88.1	0.836	0	20.0	2903946	0.000	0.00	0.00
26	Propionitrile	PFB	MB	55.1	0.260	0	20.0	2903946	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	MB	99.0	0.724	0	20.0	2903946	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	MB	102.2	0.977	0	20.0	2903946	0.000	0.00	0.00
29	Vinyl acetate	PFB	MB	86.1	0.110	0	20.0	2903946	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	MB	72.1	0.190	0	20.0	2903946	0.000	0.00	0.00
31	Diisopropyl ether	PFB	MB	102.2	0.258	0	20.0	2903946	0.000	0.00	0.00
32	Hexane	PFB	MB	86.2	1.065	0	20.0	2903946	0.000	0.00	0.00
33	Methacrylonitrile	PFB	MB	67.1	0.226	0	20.0	2903946	0.000	0.00	0.00
34	Ethyl acetate	PFB	MB	88.1	0.127	0	20.0	2903946	0.000	0.00	0.00
35	Bromochloromethane	PFB	MB	129.4	0.615	0	20.0	2903946	0.000	0.00	0.00

36	Methyl acrylate	PFB	MB	86.1	0.482	0	20.0	2903946	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	MB	72.1	0.188	0	20.0	2903946	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	MB	74.1	0.048	0	20.0	2903946	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	MB	96.9	0.401	0	20.0	2903946	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	MB	113.0	0.454	0	20.0	2903946	0.000	0.00	0.00
41	Chloroform	PFB	MB	119.4	0.592	0	20.0	2903946	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	MB	133.4	0.348	0	20.0	4615717	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	MB	99.0	0.322	0	20.0	4615717	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	MB	111.0	0.418	0	20.0	4615717	0.000	0.00	0.00
46	Cyclohexane	14DFB	MB	84.2	0.550	0	20.0	4615717	0.000	0.00	0.00
47	Benzene	14DFB	MB	78.1	0.984	0	20.0	4615717	0.000	0.00	0.00
48	Carbon tetrachloride	14DFB	MB	153.8	0.224	0	20.0	4615717	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	MB	102.2	0.764	0	20.0	4615717	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	MB	114.2	1.663	0	20.0	4615717	0.000	0.00	0.00
51	n-Heptane	14DFB	MB	100.2	0.306	0	20.0	4615717	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	MB	113.0	0.355	0	20.0	4615717	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	MB	88.1	0.212	0	20.0	4615717	0.000	0.00	0.00
54	Dibromomethane	14DFB	MB	173.8	0.262	0	20.0	4615717	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	MB	131.4	0.364	0	20.0	4615717	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	MB	163.8	0.410	0	20.0	4615717	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	MB	100.1	0.270	0	20.0	4615717	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	MB	100.2	0.326	0	20.0	4615717	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	MB	111.0	0.397	0	20.0	4615717	0.000	0.00	0.00
61	Toluene	14DFB	MB	92.1	0.911	0	20.0	4615717	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	MB	111.0	0.411	0	20.0	4615717	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	MB	133.4	0.231	0	20.0	4615717	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	MB	114.2	0.477	0	20.0	4615717	0.000	0.00	0.00
65	2-Hexanone	14DFB	MB	100.2	0.556	0	20.0	4615717	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	MB	113.0	0.576	0	20.0	4615717	0.000	0.00	0.00
67	Octane	14DFB	MB	114.2	0.367	0	20.0	4615717	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	MB	208.3	0.426	0	20.0	4615717	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	MB	187.9	0.596	0	20.0	4615717	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	MB	165.8	0.413	0	20.0	4615717	0.000	0.00	0.00
72	Chlorobenzene	d5CB	MB	112.6	0.888	0	20.0	4872426	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	MB	167.8	0.269	0	20.0	4872426	0.000	0.00	0.00
74	Ethylbenzene	d5CB	MB	106.2	0.994	0	20.0	4872426	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	MB	106.2	0.842	0	20.0	4872426	0.000	0.00	0.00
76	Nonane	d5CB	MB	128.3	0.844	0	20.0	4872426	0.000	0.00	0.00
77	Styrene	d5CB	MB	104.2	0.617	0	20.0	4872426	0.000	0.00	0.00
78	Bromoform	d5CB	MB	252.7	0.371	0	20.0	4872426	0.000	0.00	0.00
79	o-Xylene	d5CB	MB	106.2	0.860	0	20.0	4872426	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	MB	167.8	1.061	0	20.0	4872426	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	MB	147.4	0.221	0	20.0	4872426	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	MB	125.0	0.119	0	20.0	4872426	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	MB	120.2	1.450	0	20.0	4872426	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	MB	120.2	0.859	0	20.0	4872426	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	MB	120.2	0.958	0	20.0	4872426	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	MB	120.2	1.029	0	20.0	4872426	0.000	0.00	0.00
87	Decane	d5CB	MB	142.3	1.258	0	20.0	4872426	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	MB	134.2	1.036	0	20.0	4872426	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	MB	120.2	1.056	0	20.0	4872426	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	MB	134.2	1.625	0	20.0	4872426	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	MB	134.2	1.547	0	20.0	4872426	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	MB	147.0	0.712	0	20.0	4872426	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	MB	134.2	1.290	0	20.0	4872426	0.000	0.00	0.00
94	Benzyl chloride	d5CB	MB	126.6	0.842	0	20.0	4872426	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	MB	147.0	0.768	0	20.0	4872426	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	MB	134.2	2.233	0	20.0	4872426	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	MB	147.0	0.886	0	20.0	4872426	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	MB	236.3	0.336	0	20.0	4872426	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	MB	181.4	0.200	0	20.0	4872426	0.000	0.00	0.00
100	Naphthalene	d5CB	MB	128.2	0.440	0	20.0	4872426	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	MB	181.4	0.160	0	20.0	4872426	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	4872426	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	0	20.0	4872426	0.000	0.00	0.00
1	Pentafluorobenzene		IS			2903946	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			4615717	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			4872426	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			2432225	5.0		2.341	93.64	94

File : C:\MSCHEM\1\DATA\08146B_3\B08146D.D
Operator : KL
Acquired : 14 Aug 126 12:25 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: METHOD BLANK
Misc Info :
Vial Number: 1



LCS/LCD Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
There will be one LCS/LCD report for each QC Batch (DAB) in this SDG.

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QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080326-MB1
Date: 8/3/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	90		95		70	130	5	25	
75-35-4	1,1-Dichloroethene	101		110		70	130	9	25	
75-09-2	Dichloromethane	88		96		70	130	9	25	
75-34-3	1,1-Dichloroethane	86		91		70	130	6	25	
67-66-3	Chloroform	84		90		70	130	7	25	
71-55-6	1,1,1-Trichloroethane	90		89		70	130	1	25	
107-06-2	1,2-Dichloroethane	82		94		70	130	14	25	
71-43-2	Benzene	91		97		70	130	6	25	
56-23-5	Carbon tetrachloride	92		94		70	130	2	25	
79-01-6	Trichloroethene	94		100		70	130	6	25	
108-88-3	Toluene	83		94		70	130	12	25	
106-93-4	1,2-Dibromoethane	71		89		70	130	22	25	
127-18-4	Tetrachloroethene	96		96		70	130	0	25	
100-41-4	Ethylbenzene	90		90		70	130	1	25	
1330-20-7	m,p-Xylenes	91		89		70	130	2	25	
95-47-6	o-Xylene	92		85		70	130	7	25	
108-67-8	1,3,5-Trimethylbenzene	96		78		70	130	20	25	
95-63-6	1,2,4-Trimethylbenzene	83		73		70	130	12	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08036A**	
File Name:	QC08036A.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	**8/3/26**	**Time:** **12:09**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	3 Aug 126 12:09 pm	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**080326-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	9.421	2.15	2.15	62.00	3654212
75-35-4	1,1-Dichloroethene	13	TRG	9.461	3.43	3.43	61.00	4825371
75-09-2	Dichloromethane	15	TRG	9.759	4.09	4.08	84.00	2582310
75-34-3	1,1-Dichloroethane	19	TRG	6.067	4.95	4.94	63.00	3639774
67-66-3	Chloroform	26	TRG	5.6478	5.87	5.80	83.00	2962640
71-55-6	1,1,1-Trichloroethane	28	TRG	2.941	6.09	6.08	97.00	1229780
107-06-2	1,2-Dichloroethane	29	TRG	6.770	6.72	6.71	61.95	3182493
71-43-2	Benzene	31	TRG	7.893	6.50	6.49	78.00	9402800
56-23-5	Carbon tetrachloride	32	TRG	8.318	6.02	6.01	116.90	2027702
79-01-6	Trichloroethene	36	TRG	5.513	7.18	7.17	130.00	3271037
108-88-3	Toluene	42	TRG	5.906	8.91	8.92	91.00	7805932
106-93-4	1,2-Dibromoethane	47	TRG	4.159	10.17	10.17	107.00	4130677
127-18-4	Tetrachloroethene	48	TRG	5.397	9.42	9.41	166.00	4320329
100-41-4	Ethylbenzene	51	TRG	7.481	10.95	10.94	91.00	11897602
1330-20-7	m,p-Xylenes	52	TRG	6.817	11.16	11.15	91.00	8723137
95-47-6	o-Xylene	55	TRG	7.386	11.75	11.76	91.00	10379138
108-67-8	1,3,5-Trimethylbenzene	58	TRG	9.041	13.11	13.12	105.00	16043561
95-63-6	1,2,4-Trimethylbenzene	59	TRG	12.729	13.71	13.71	105.00	15351975
363-72-4	Pentafluorobenzene	1	IS	5.000	6.60	6.59	168.00	**5609456**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.21	7.20	114.00	**8158541**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.87	10.88	117.00	**7864174**
2037-26-5	Toluene-d8	41	SURR	2.382	8.86	8.85	98.00	**4153729**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	LABQC	
						EAS ID:	QC08036A	
File Name:	QC08036B.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	8/3/26	**Time:** 12:45
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	1.00	
Date:	3 Aug 126 12:45 pm	SF:	**2**			**Volume:**	1.00	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	080326-MB1	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	AA	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	9.949	2.17	2.15	62.00	3812678
75-35-4	1,1-Dichloroethene	13	TRG	10.330	3.45	3.43	61.00	5297075
75-09-2	Dichloromethane	15	TRG	10.628	4.09	4.08	84.00	2726299
75-34-3	1,1-Dichloroethane	19	TRG	6.425	4.96	4.94	63.00	3778246
67-66-3	Chloroform	26	TRG	6.061	5.86	5.80	83.00	3136337
71-55-6	1,1,1-Trichloroethane	28	TRG	2.901	6.09	6.08	97.00	1158779
107-06-2	1,2-Dichloroethane	29	TRG	7.778	6.71	6.71	61.95	3592579
71-43-2	Benzene	31	TRG	8.407	6.49	6.49	78.00	9634186
56-23-5	Carbon tetrachloride	32	TRG	8.481	6.02	6.01	116.90	2007681
79-01-6	Trichloroethene	36	TRG	5.854	7.17	7.17	130.00	3359208
108-88-3	Toluene	42	TRG	6.693	8.91	8.92	91.00	8520044
106-93-4	1,2-Dibromoethane	47	TRG	5.168	10.18	10.18	107.00	4931931
127-18-4	Tetrachloroethene	48	TRG	5.417	9.42	9.41	166.00	4168520
100-41-4	Ethylbenzene	51	TRG	7.433	10.95	10.94	91.00	11736055
1330-20-7	m,p-Xylenes	52	TRG	6.654	11.15	11.15	91.00	8453984
95-47-6	o-Xylene	55	TRG	6.858	11.75	11.76	91.00	9568639
108-67-8	1,3,5-Trimethylbenzene	58	TRG	7.365	13.11	13.12	105.00	**12977145**
95-63-6	1,2,4-Trimethylbenzene	59	TRG	11.277	13.70	13.71	105.00	**13610290**
363-72-4	Pentafluorobenzene	1	IS	5.000	6.60	6.59	168.00	**5437672**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.21	7.20	114.00	**7839803**
3114-55-4	Chlorobenzene-d5	49	IS	5	10.881	10.88	117.00	7808114
2037-26-5	Toluene-d8	41	SURR	2.52822162	8.858	8.85	98.00	4236751

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08036A	QC08036A	
File Name:	QC08036A.D	QC08036B.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	080326-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	9.42	9.42	9.42	90	90		0.20	**10.42**	10.42	70	130	5
1,1-Dichloroethene	9.46	9.46	9.46	101	101		0.20	**9.38**	9.38	70	130	9
Dichloromethane	9.76	9.76	9.76	88	88		0.20	**11.04**	11.04	70	130	9
1,1-Dichloroethane	6.07	6.07	6.07	86	86		0.20	**7.08**	7.08	70	130	6
Chloroform	5.65	5.65	5.65	84	84		0.20	**6.74**	6.74	70	130	7
1,1,1-Trichloroethane	2.94	2.94	2.94	90	90		0.20	**3.27**	3.27	70	130	1
1,2-Dichloroethane	6.77	6.77	6.77	82	82		0.20	**8.29**	8.29	70	130	14
Benzene	7.89	7.89	7.89	91	91		0.20	**8.65**	8.65	70	130	6
Carbon tetrachloride	8.32	8.32	8.32	92	92		0.20	**9.02**	9.02	70	130	2
Trichloroethene	5.51	5.51	5.51	94	94		0.20	**5.87**	5.87	70	130	6
Toluene	5.91	5.91	5.91	83	83		0.20	**7.11**	7.11	70	130	12
1,2-Dibromoethane	4.16	4.16	4.16	71	71		0.20	**5.82**	5.82	70	130	22
Tetrachloroethene	5.40	5.40	5.40	96	96		0.20	**5.62**	5.62	70	130	0
Ethylbenzene	7.48	7.48	7.48	90	90		0.20	**8.27**	8.27	70	130	1
m,p-Xylenes	6.82	6.82	6.82	91	91		0.20	**7.52**	7.52	70	130	2
o-Xylene	7.39	7.39	7.39	92	92		0.20	**8.06**	8.06	70	130	7
1,3,5-Trimethylbenzene	9.04	9.04	9.04	96	96		0.20	**9.46**	9.46	70	130	20
1,2,4-Trimethylbenzene	12.73	12.73	12.73	83	83		0.20	**15.42**	15.42	70	130	12
Toluene-d8	2.38	2.38	2.38	95	95				2.50	70	130	
Vinyl chloride	9.95	9.95	9.95	95	95		0.20	**10.42**	10.42	70	130	
1,1-Dichloroethene	10.33	10.33	10.33	110	110		0.20	**9.38**	9.38	70	130	
Dichloromethane	10.63	10.63	10.63	96	96		0.20	**11.04**	11.04	70	130	
1,1-Dichloroethane	6.42	6.42	6.42	91	91		0.20	**7.08**	7.08	70	130	
Chloroform	6.06	6.06	6.06	90	90		0.20	**6.74**	6.74	70	130	
1,1,1-Trichloroethane	2.90	2.90	2.90	89	89		0.20	**3.27**	3.27	70	130	
1,2-Dichloroethane	7.78	7.78	7.78	94	94		0.20	**8.29**	8.29	70	130	
Benzene	8.41	8.41	8.41	97	97		0.20	**8.65**	8.65	70	130	
Carbon tetrachloride	8.48	8.48	8.48	94	94		0.20	**9.02**	9.02	70	130	
Trichloroethene	5.85	5.85	5.85	100	100		0.20	**5.87**	5.87	70	130	
Toluene	6.69	6.69	6.69	94	94		0.20	**7.11**	7.11	70	130	
1,2-Dibromoethane	5.17	5.17	5.17	89	89		0.20	**5.82**	5.82	70	130	
Tetrachloroethene	5.42	5.42	5.42	96	96		0.20	**5.62**	5.62	70	130	
Ethylbenzene	7.43	7.43	7.43	90	90		0.20	**8.27**	8.27	70	130	
m,p-Xylenes	6.65	6.65	6.65	89	89		0.20	**7.52**	7.52	70	130	

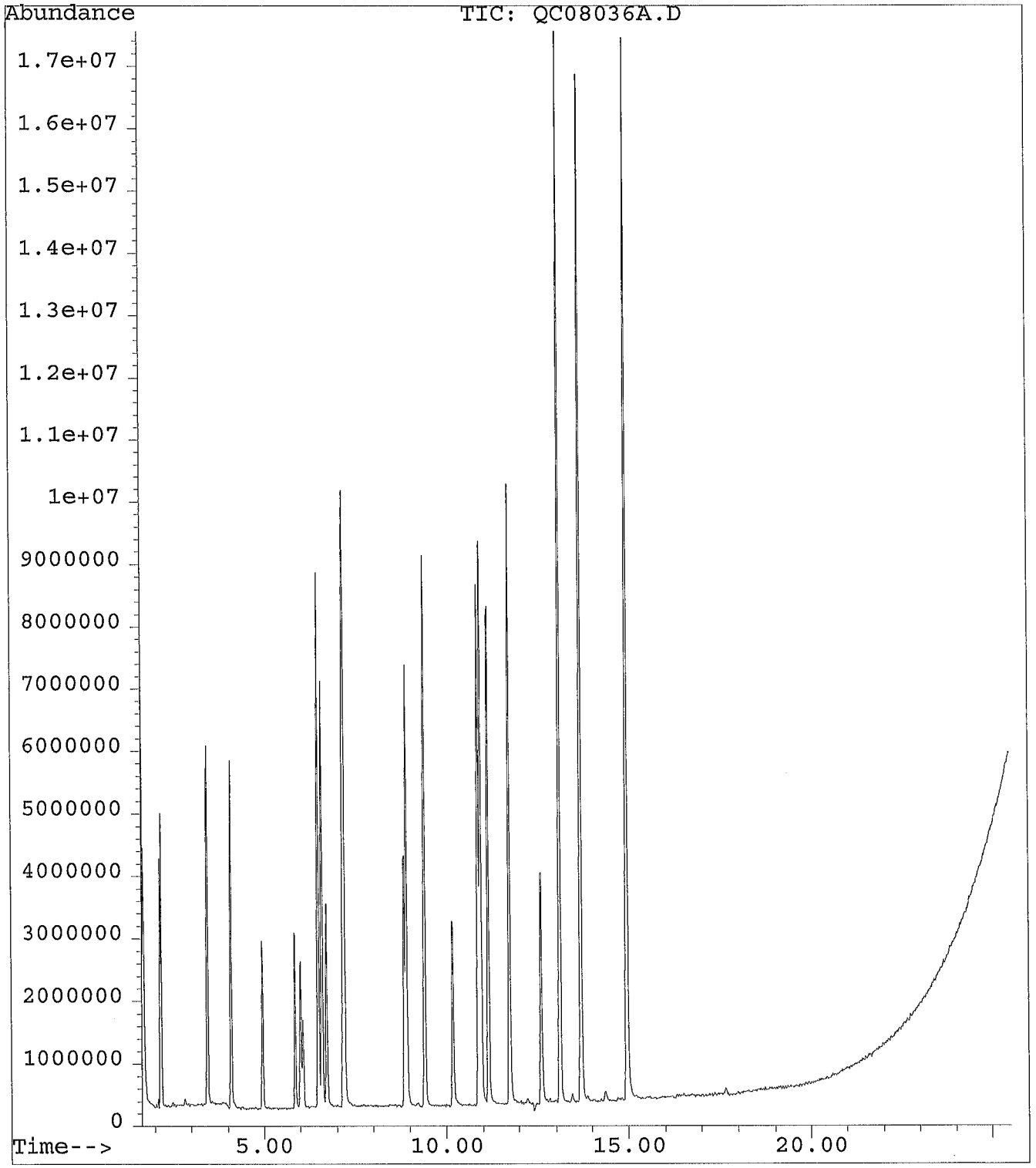
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	6.86	6.86	6.86	85	85		0.20	**8.06**	8.06	70	130	
1,3,5-Trimethylbenzene	7.37	7.37	7.37	78	78		0.20	**9.46**	9.46	70	130	
1,2,4-Trimethylbenzene	11.28	11.28	11.28	73	73		0.20	**15.42**	15.42	70	130	
Toluene-d8	2.53	2.38	2.38	101	101				2.50	70	130	

IXED

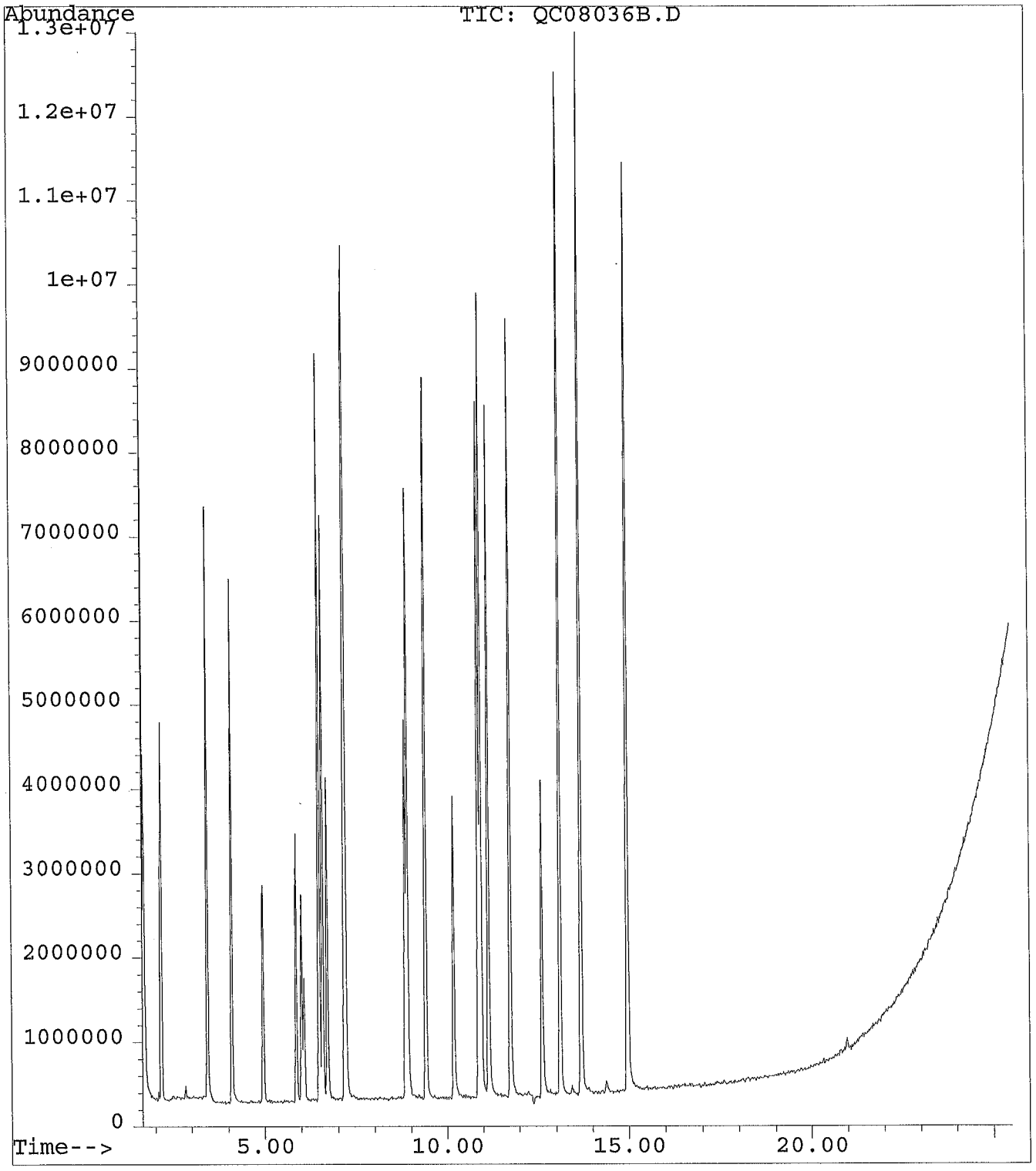
RPD %	imi	Flag
5	25	
9	25	
9	25	
6	25	
7	25	
1	25	
14	25	
6	25	
2	25	
6	25	
12	25	
22	25	
0	25	
1	25	
2	25	
7	25	
20	25	
12	25	

RPD imi Flag %

File : C:\MSCHEM\1\DATA\08036B_3\QC08036A.D
Operator : KL
Acquired : 3 Aug 126 12:09 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08036B_3\QC08036B.D
Operator : KL
Acquired : 3 Aug 126 12:45 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080426-MB1
Date: 8/4/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	95		74		70	130	25	25	
75-35-4	1,1-Dichloroethene	107		103		70	130	4	25	
75-09-2	Dichloromethane	104		100		70	130	4	25	
75-34-3	1,1-Dichloroethane	94		111		70	130	16	25	
67-66-3	Chloroform	94		104		70	130	11	25	
71-55-6	1,1,1-Trichloroethane	98		87		70	130	12	25	
107-06-2	1,2-Dichloroethane	97		111		70	130	14	25	
71-43-2	Benzene	103		97		70	130	6	25	
56-23-5	Carbon tetrachloride	90		73		70	130	21	25	
79-01-6	Trichloroethene	101		105		70	130	4	25	
108-88-3	Toluene	93		114		70	130	20	25	
106-93-4	1,2-Dibromoethane	105		83		70	130	24	25	
127-18-4	Tetrachloroethene	93		117		70	130	22	25	
100-41-4	Ethylbenzene	128		110		70	130	15	25	
1330-20-7	m,p-Xylenes	129		109		70	130	17	25	
95-47-6	o-Xylene	118		95		70	130	21	25	
108-67-8	1,3,5-Trimethylbenzene	124		127		70	130	3	25	
95-63-6	1,2,4-Trimethylbenzene	126		124		70	130	2	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	LABQC	
						EAS ID:	QC08046A	
File Name:	QC08046B.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	8/4/26	**Time:** 9:28
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	1.00	
Date:	4 Aug 126 9:28 am	SF:	**2**			**Volume:**	1.00	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	080426-MB1	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	AA	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	9.660	2.15	2.15	62.00	3745047
75-35-4	1,1-Dichloroethene	13	TRG	10.177	3.43	3.43	61.00	5301547
75-09-2	Dichloromethane	15	TRG	11.488	4.08	4.08	84.00	3012607
75-34-3	1,1-Dichloroethane	19	TRG	6.607	4.94	4.94	63.00	3992759
67-66-3	Chloroform	26	TRG	6.2048	5.85	5.80	83.00	3300416
71-55-6	1,1,1-Trichloroethane	28	TRG	3.018	6.07	6.08	97.00	1282528
107-06-2	1,2-Dichloroethane	29	TRG	7.942	6.70	6.71	61.95	3848754
71-43-2	Benzene	31	TRG	9.179	6.48	6.49	78.00	11017650
56-23-5	Carbon tetrachloride	32	TRG	7.003	6.00	6.01	116.90	1575307
79-01-6	Trichloroethene	36	TRG	6.209	7.16	7.17	130.00	3748376
108-88-3	Toluene	42	TRG	7.152	8.91	8.92	91.00	9532065
106-93-4	1,2-Dibromoethane	47	TRG	6.207	10.17	10.17	107.00	6195327
127-18-4	Tetrachloroethene	48	TRG	5.824	9.40	9.41	166.00	4718159
100-41-4	Ethylbenzene	51	TRG	12.194	10.93	10.94	91.00	14808880
1330-20-7	m,p-Xylenes	52	TRG	11.299	11.14	11.15	91.00	11040851
95-47-6	o-Xylene	55	TRG	11.365	11.73	11.76	91.00	12196298
108-67-8	1,3,5-Trimethylbenzene	58	TRG	14.789	13.09	13.12	105.00	20041073
95-63-6	1,2,4-Trimethylbenzene	59	TRG	24.880	13.69	13.71	105.00	22229937
363-72-4	Pentafluorobenzene	1	IS	5.000	6.58	6.59	168.00	**5559141**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.19	7.20	114.00	**8199647**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.87	10.88	117.00	**6005569**
2037-26-5	Toluene-d8	41	SURR	2.612	8.84	8.85	98.00	**4577776**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08046A**	
File Name:	QC08046A.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	**8/4/26**	**Time:** **8:45**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	4 Aug 126 8:45 am	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**080426-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	7.523	2.15	2.15	62.00	886821
75-35-4	1,1-Dichloroethene	13	TRG	9.812	3.43	3.43	61.00	1647731
75-09-2	Dichloromethane	15	TRG	11.054	4.08	4.08	84.00	948985
75-34-3	1,1-Dichloroethane	19	TRG	7.793	4.95	4.94	63.00	1584526
67-66-3	Chloroform	26	TRG	6.89262685	5.85	5.80	83.00	1227775
71-55-6	1,1,1-Trichloroethane	28	TRG	2.687	6.07	6.08	97.00	343600
107-06-2	1,2-Dichloroethane	29	TRG	9.117	6.70	6.71	61.95	1428836
71-43-2	Benzene	31	TRG	8.605	6.48	6.49	78.00	3275959
56-23-5	Carbon tetrachloride	32	TRG	5.686	6.58	6.01	116.90	373277
79-01-6	Trichloroethene	36	TRG	6.484	7.16	7.17	130.00	1248154
108-88-3	Toluene	42	TRG	8.756	8.91	8.92	91.00	3716170
106-93-4	1,2-Dibromoethane	47	TRG	4.894	10.17	10.17	107.00	1551163
127-18-4	Tetrachloroethene	48	TRG	7.290	9.40	9.41	166.00	1908194
100-41-4	Ethylbenzene	51	TRG	10.478	10.94	10.94	91.00	5680400
1330-20-7	m,p-Xylenes	52	TRG	9.558	11.14	11.15	91.00	4169298
95-47-6	o-Xylene	55	TRG	9.191	11.74	11.76	91.00	4402846
108-67-8	1,3,5-Trimethylbenzene	58	TRG	15.203	13.10	13.12	105.00	9196909
95-63-6	1,2,4-Trimethylbenzene	59	TRG	24.453	13.69	13.71	105.00	9758592
363-72-4	Pentafluorobenzene	1	IS	5.000	6.58	6.59	168.00	**1819918**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.19	7.20	114.00	**2603510**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.87	10.88	117.00	**2680829**
2037-26-5	Toluene-d8	41	SURR	2.600	8.84	8.85	98.00	**1446919**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08046A	QC08046A	
File Name:	QC08046B.D	QC08046A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	080426-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	9.66	9.66	9.66	95	95		0.20	**10.13**	10.13	70	130	25
1,1-Dichloroethene	10.18	10.18	10.18	107	107		0.20	**9.51**	9.51	70	130	4
Dichloromethane	11.49	11.49	11.49	104	104		0.20	**11.09**	11.09	70	130	4
1,1-Dichloroethane	6.61	6.61	6.61	94	94		0.20	**7.02**	7.02	70	130	16
Chloroform	6.20	6.20	6.20	94	94		0.20	**6.61**	6.61	70	130	11
1,1,1-Trichloroethane	3.02	3.02	3.02	98	98		0.20	**3.09**	3.09	70	130	12
1,2-Dichloroethane	7.94	7.94	7.94	97	97		0.20	**8.19**	8.19	70	130	14
Benzene	9.18	9.18	9.18	103	103		0.20	**8.88**	8.88	70	130	6
Carbon tetrachloride	7.00	7.00	7.00	90	90		0.20	**7.75**	7.75	70	130	21
Trichloroethene	6.21	6.21	6.21	101	101		0.20	**6.15**	6.15	70	130	4
Toluene	7.15	7.15	7.15	93	93		0.20	**7.66**	7.66	70	130	20
1,2-Dibromoethane	6.21	6.21	6.21	105	105		0.20	**5.89**	5.89	70	130	24
Tetrachloroethene	5.82	5.82	5.82	93	93		0.20	**6.25**	6.25	70	130	22
Ethylbenzene	12.19	12.19	12.19	128	128		0.20	**9.54**	9.54	70	130	15
m,p-Xylenes	11.30	11.30	11.30	129	129		0.20	**8.77**	8.77	70	130	17
o-Xylene	11.37	11.37	11.37	118	118		0.20	**9.64**	9.64	70	130	21
1,3,5-Trimethylbenzene	14.79	14.79	14.79	124	124		0.20	**11.96**	11.96	70	130	3
1,2,4-Trimethylbenzene	24.88	24.88	24.88	126	126		0.20	**19.76**	19.76	70	130	2
Toluene-d8	2.61	2.61	2.61	104	104				2.50	70	130	
Vinyl chloride	7.52	7.52	7.52	74	74		0.20	**10.13**	10.13	70	130	
1,1-Dichloroethene	9.81	9.81	9.81	103	103		0.20	**9.51**	9.51	70	130	
Dichloromethane	11.05	11.05	11.05	100	100		0.20	**11.09**	11.09	70	130	
1,1-Dichloroethane	7.79	7.79	7.79	111	111		0.20	**7.02**	7.02	70	130	
Chloroform	6.89	6.89	6.89	104	104		0.20	**6.61**	6.61	70	130	
1,1,1-Trichloroethane	2.69	2.69	2.69	87	87		0.20	**3.09**	3.09	70	130	
1,2-Dichloroethane	9.12	9.12	9.12	111	111		0.20	**8.19**	8.19	70	130	
Benzene	8.60	8.60	8.60	97	97		0.20	**8.88**	8.88	70	130	
Carbon tetrachloride	5.69	5.69	5.69	73	73		0.20	**7.75**	7.75	70	130	
Trichloroethene	6.48	6.48	6.48	105	105		0.20	**6.15**	6.15	70	130	
Toluene	8.76	8.76	8.76	114	114		0.20	**7.66**	7.66	70	130	
1,2-Dibromoethane	4.89	4.89	4.89	83	83		0.20	**5.89**	5.89	70	130	
Tetrachloroethene	7.29	7.29	7.29	117	117		0.20	**6.25**	6.25	70	130	
Ethylbenzene	10.48	10.48	10.48	110	110		0.20	**9.54**	9.54	70	130	
m,p-Xylenes	9.56	9.56	9.56	109	109		0.20	**8.77**	8.77	70	130	

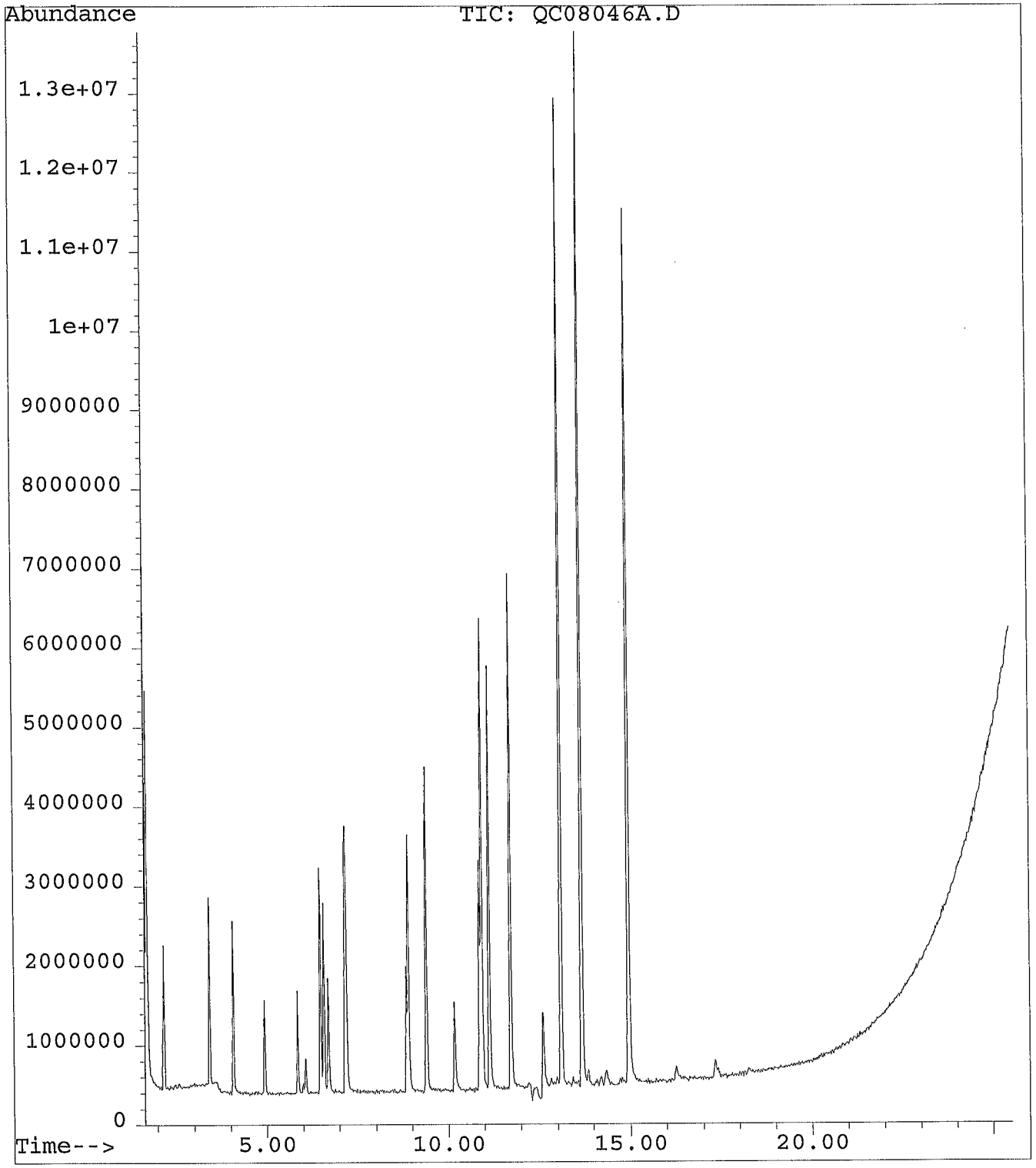
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	9.19	9.19	9.19	95	95		0.20	**9.64**	9.64	70	130	
1,3,5-Trimethylbenzene	15.20	15.20	15.20	127	127		0.20	**11.96**	11.96	70	130	
1,2,4-Trimethylbenzene	24.45	24.45	24.45	124	124		0.20	**19.76**	19.76	70	130	
Toluene-d8	2.60	2.61	2.61	104	104				2.50	70	130	

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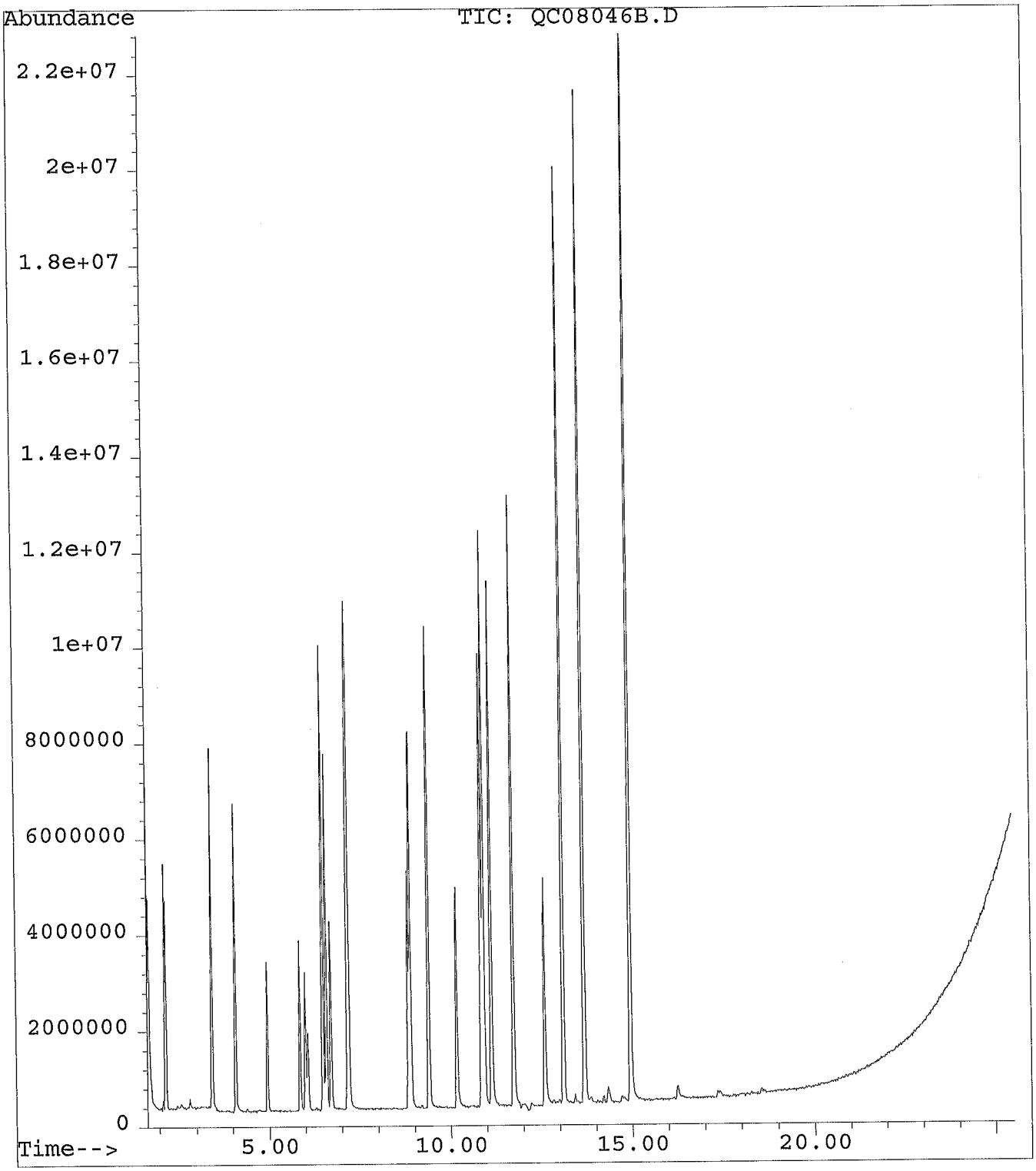
RPD %	imi	Flag
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4	25	
4	25	
16	25	
11	25	
12	25	
14	25	
6	25	
21	25	
4	25	
20	25	
24	25	
22	25	
15	25	
17	25	
21	25	
3	25	
2	25	

RPD imi Flag %

File : C:\MSCHEM\1\DATA\08046B_3\QC08046A.D
Operator : KL
Acquired : 4 Aug 126 8:45 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08046B_3\QC08046B.D
Operator : KL
Acquired : 4 Aug 126 9:28 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080526-MB1
Date: 8/5/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	102		97		70	130	6	25	
75-35-4	1,1-Dichloroethene	113		106		70	130	7	25	
75-09-2	Dichloromethane	98		96		70	130	2	25	
75-34-3	1,1-Dichloroethane	92		106		70	130	14	25	
67-66-3	Chloroform	94		106		70	130	12	25	
71-55-6	1,1,1-Trichloroethane	98		100		70	130	3	25	
107-06-2	1,2-Dichloroethane	96		101		70	130	6	25	
71-43-2	Benzene	98		92		70	130	7	25	
56-23-5	Carbon tetrachloride	108		109		70	130	2	25	
79-01-6	Trichloroethene	96		92		70	130	4	25	
108-88-3	Toluene	92		90		70	130	2	25	
106-93-4	1,2-Dibromoethane	104		83		70	130	23	25	
127-18-4	Tetrachloroethene	91		86		70	130	5	25	
100-41-4	Ethylbenzene	93		79		70	130	16	25	
1330-20-7	m,p-Xylenes	90		78		70	130	15	25	
95-47-6	o-Xylene	91		78		70	130	15	25	
108-67-8	1,3,5-Trimethylbenzene	86		81		70	130	6	25	
95-63-6	1,2,4-Trimethylbenzene	87		82		70	130	6	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	LABQC		
						EAS ID:	QC08056A		
File Name:	QC08056B.D					**Date Sampled:**		**Time:**	
Sample ID:	ST62068					**Date Received:**		**Time:**	
Method:	**TO15**					**Date Analyzed:**	8/5/26	**Time:**	9:01
MiscInfo-Vol:		MDL FAC:	1			**Can Factor:**	1.00		
Date:	5 Aug 126 9:01 am	SF:	2			**Volume:**	1.00		
Run Method:	B1563_C.M	SamType:	LCS			**Can (Vial) No:**			
Quant Method:	B1563_C.M	UnitDil:	1000	PPBV	UG/M3	**QCbatch:**	080526-MB1		
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	25.0			**Matrix:**	AA		
Instrument:	5970 - MS	Instrument ID:	MB1						
Analyst:	KL	Multiplier:	1.00						
		Type:	TRG						

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	10.367	2.15	2.15	62.00	3983017
75-35-4	1,1-Dichloroethene	13	TRG	11.017	3.43	3.43	61.00	5741716
75-09-2	Dichloromethane	15	TRG	10.803	4.08	4.08	84.00	2736398
75-34-3	1,1-Dichloroethane	19	TRG	6.439	4.94	4.94	63.00	3740694
67-66-3	Chloroform	26	TRG	6.1784	5.85	5.80	83.00	3171271
71-55-6	1,1,1-Trichloroethane	28	TRG	3.006	6.07	6.08	97.00	1272452
107-06-2	1,2-Dichloroethane	29	TRG	7.809	6.70	6.71	61.95	3766323
71-43-2	Benzene	31	TRG	8.572	6.48	6.49	78.00	10253388
56-23-5	Carbon tetrachloride	32	TRG	8.548	6.00	6.01	116.90	2120468
79-01-6	Trichloroethene	36	TRG	5.793	7.16	7.17	130.00	3464589
108-88-3	Toluene	42	TRG	6.853	8.89	8.92	91.00	9106239
106-93-4	1,2-Dibromoethane	47	TRG	6.034	10.15	10.15	107.00	6009020
127-18-4	Tetrachloroethene	48	TRG	5.531	9.39	9.41	166.00	4449494
100-41-4	Ethylbenzene	51	TRG	8.503	10.92	10.94	91.00	14116252
1330-20-7	m,p-Xylenes	52	TRG	7.586	11.12	11.15	91.00	10134004
95-47-6	o-Xylene	55	TRG	8.363	11.73	11.76	91.00	12268797
108-67-8	1,3,5-Trimethylbenzene	58	TRG	9.870	13.09	13.12	105.00	18284392
95-63-6	1,2,4-Trimethylbenzene	59	TRG	16.453	13.67	13.71	105.00	20427939
363-72-4	Pentafluorobenzene	1	IS	5.000	6.58	6.59	168.00	**5369691**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.19	7.20	114.00	**8180594**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**8209764**
2037-26-5	Toluene-d8	41	SURR	2.554	8.82	8.85	98.00	**4465259**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	LABQC	
						EAS ID:	QC08056A	
File Name:	QC08056A.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	8/5/26	**Time:** 8:22
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	1.00	
Date:	5 Aug 126 8:22 am	SF:	**2**			**Volume:**	1.00	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	080526-MB1	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	AA	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	9.766	2.15	2.15	62.00	3461938
75-35-4	1,1-Dichloroethene	13	TRG	10.313	3.41	3.43	61.00	4921133
75-09-2	Dichloromethane	15	TRG	10.577	4.06	4.08	84.00	2526569
75-34-3	1,1-Dichloroethane	19	TRG	7.433	4.93	4.94	63.00	4174349
67-66-3	Chloroform	26	TRG	6.98904899	5.83	5.80	83.00	3473641
71-55-6	1,1,1-Trichloroethane	28	TRG	3.084	6.05	6.08	97.00	1253342
107-06-2	1,2-Dichloroethane	29	TRG	8.262	6.68	6.71	61.95	3814709
71-43-2	Benzene	31	TRG	8.016	6.47	6.49	78.00	9096029
56-23-5	Carbon tetrachloride	32	TRG	8.694	5.98	6.01	116.90	2067457
79-01-6	Trichloroethene	36	TRG	5.577	7.14	7.17	130.00	3154694
108-88-3	Toluene	42	TRG	6.728	8.89	8.92	91.00	8487181
106-93-4	1,2-Dibromoethane	47	TRG	4.782	10.15	10.15	107.00	4522465
127-18-4	Tetrachloroethene	48	TRG	5.236	9.39	9.41	166.00	3979884
100-41-4	Ethylbenzene	51	TRG	7.251	10.92	10.94	91.00	11951744
1330-20-7	m,p-Xylenes	52	TRG	6.535	11.12	11.15	91.00	8666272
95-47-6	o-Xylene	55	TRG	7.190	11.73	11.76	91.00	10470892
108-67-8	1,3,5-Trimethylbenzene	58	TRG	9.274	13.09	13.12	105.00	17056498
95-63-6	1,2,4-Trimethylbenzene	59	TRG	15.474	13.67	13.71	105.00	19131455
363-72-4	Pentafluorobenzene	1	IS	5.000	6.58	6.59	168.00	**5063778**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.17	7.20	114.00	**7769017**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**8150394**
2037-26-5	Toluene-d8	41	SURR	2.642	8.82	8.85	98.00	**4387294**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08056A	QC08056A	
File Name:	QC08056B.D	QC08056A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	080526-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	10.37	10.37	10.37	102	102		0.20	**10.12**	10.12	70	130	6
1,1-Dichloroethene	11.02	11.02	11.02	113	113		0.20	**9.77**	9.77	70	130	7
Dichloromethane	10.80	10.80	10.80	98	98		0.20	**11.00**	11.00	70	130	2
1,1-Dichloroethane	6.44	6.44	6.44	92	92		0.20	**7.00**	7.00	70	130	14
Chloroform	6.18	6.18	6.18	94	94		0.20	**6.61**	6.61	70	130	12
1,1,1-Trichloroethane	3.01	3.01	3.01	98	98		0.20	**3.08**	3.08	70	130	3
1,2-Dichloroethane	7.81	7.81	7.81	96	96		0.20	**8.15**	8.15	70	130	6
Benzene	8.57	8.57	8.57	98	98		0.20	**8.75**	8.75	70	130	7
Carbon tetrachloride	8.55	8.55	8.55	108	108		0.20	**7.94**	7.94	70	130	2
Trichloroethene	5.79	5.79	5.79	96	96		0.20	**6.05**	6.05	70	130	4
Toluene	6.85	6.85	6.85	92	92		0.20	**7.47**	7.47	70	130	2
1,2-Dibromoethane	6.03	6.03	6.03	104	104		0.20	**5.79**	5.79	70	130	23
Tetrachloroethene	5.53	5.53	5.53	91	91		0.20	**6.05**	6.05	70	130	5
Ethylbenzene	8.50	8.50	8.50	93	93		0.20	**9.17**	9.17	70	130	16
m,p-Xylenes	7.59	7.59	7.59	90	90		0.20	**8.39**	8.39	70	130	15
o-Xylene	8.36	8.36	8.36	91	91		0.20	**9.23**	9.23	70	130	15
1,3,5-Trimethylbenzene	9.87	9.87	9.87	86	86		0.20	**11.43**	11.43	70	130	6
1,2,4-Trimethylbenzene	16.45	16.45	16.45	87	87		0.20	**18.91**	18.91	70	130	6
Toluene-d8	2.55	2.55	2.55	102	102				2.50	70	130	
Vinyl chloride	9.77	9.77	9.77	97	97		0.20	**10.12**	10.12	70	130	
1,1-Dichloroethene	10.31	10.31	10.31	106	106		0.20	**9.77**	9.77	70	130	
Dichloromethane	10.58	10.58	10.58	96	96		0.20	**11.00**	11.00	70	130	
1,1-Dichloroethane	7.43	7.43	7.43	106	106		0.20	**7.00**	7.00	70	130	
Chloroform	6.99	6.99	6.99	106	106		0.20	**6.61**	6.61	70	130	
1,1,1-Trichloroethane	3.08	3.08	3.08	100	100		0.20	**3.08**	3.08	70	130	
1,2-Dichloroethane	8.26	8.26	8.26	101	101		0.20	**8.15**	8.15	70	130	
Benzene	8.02	8.02	8.02	92	92		0.20	**8.75**	8.75	70	130	
Carbon tetrachloride	8.69	8.69	8.69	109	109		0.20	**7.94**	7.94	70	130	
Trichloroethene	5.58	5.58	5.58	92	92		0.20	**6.05**	6.05	70	130	
Toluene	6.73	6.73	6.73	90	90		0.20	**7.47**	7.47	70	130	
1,2-Dibromoethane	4.78	4.78	4.78	83	83		0.20	**5.79**	5.79	70	130	
Tetrachloroethene	5.24	5.24	5.24	86	86		0.20	**6.05**	6.05	70	130	
Ethylbenzene	7.25	7.25	7.25	79	79		0.20	**9.17**	9.17	70	130	
m,p-Xylenes	6.53	6.53	6.53	78	78		0.20	**8.39**	8.39	70	130	

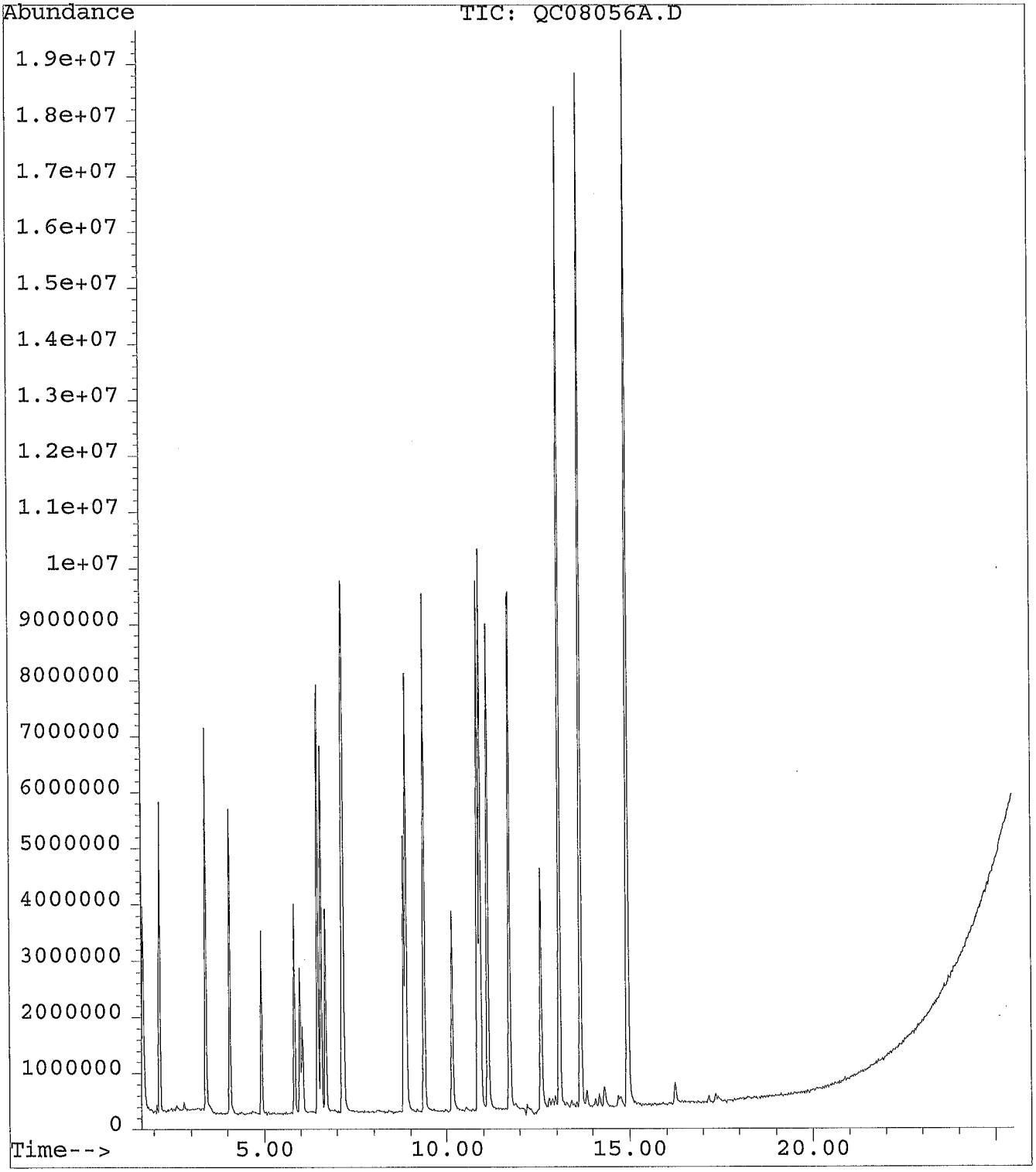
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	7.19	7.19	7.19	78	78		0.20	**9.23**	9.23	70	130	
1,3,5-Trimethylbenzene	9.27	9.27	9.27	81	81		0.20	**11.43**	11.43	70	130	
1,2,4-Trimethylbenzene	15.47	15.47	15.47	82	82		0.20	**18.91**	18.91	70	130	
Toluene-d8	2.64	2.55	2.55	106	106				2.50	70	130	

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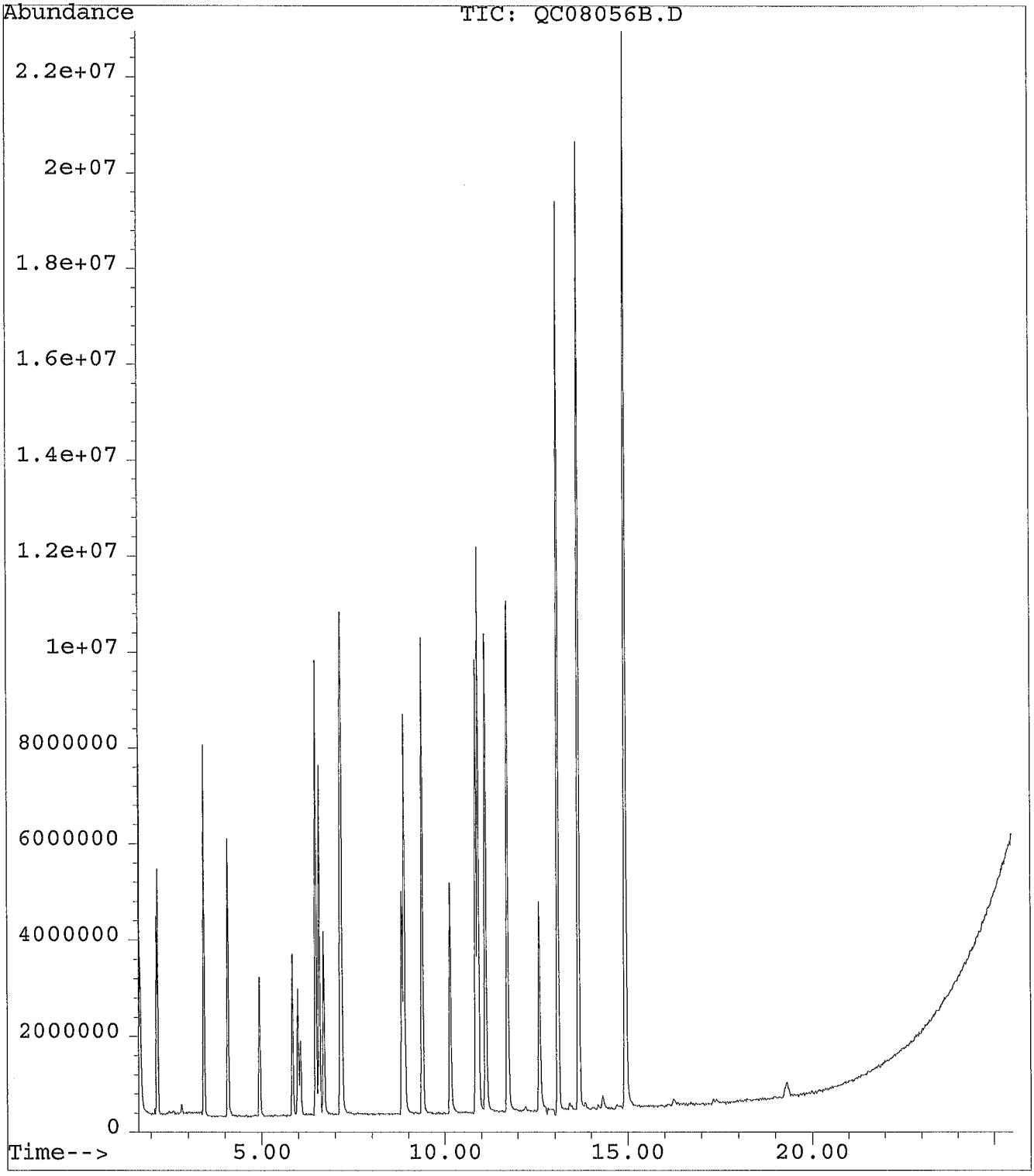
RPD %	imi	Flag
6	25	
7	25	
2	25	
14	25	
12	25	
3	25	
6	25	
7	25	
2	25	
4	25	
2	25	
23	25	
5	25	
16	25	
15	25	
15	25	
6	25	
6	25	

RPD imi Flag %

File : C:\MSCHEM\1\DATA\08056B_3\QC08056A.D
Operator : KL
Acquired : 5 Aug 126 8:22 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08056B_3\QC08056B.D
Operator : KL
Acquired : 5 Aug 126 9:01 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080626-MB1
Date: 8/6/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	107		98		70	130	9	25	
75-35-4	1,1-Dichloroethene	115		105		70	130	9	25	
75-09-2	Dichloromethane	105		101		70	130	4	25	
75-34-3	1,1-Dichloroethane	103		102		70	130	1	25	
67-66-3	Chloroform	101		99		70	130	2	25	
71-55-6	1,1,1-Trichloroethane	104		93		70	130	11	25	
107-06-2	1,2-Dichloroethane	101		98		70	130	3	25	
71-43-2	Benzene	103		102		70	130	1	25	
56-23-5	Carbon tetrachloride	114		102		70	130	11	25	
79-01-6	Trichloroethene	100		105		70	130	5	25	
108-88-3	Toluene	103		121		70	130	17	25	
106-93-4	1,2-Dibromoethane	117		111		70	130	5	25	
127-18-4	Tetrachloroethene	99		115		70	130	14	25	
100-41-4	Ethylbenzene	105		115		70	130	9	25	
1330-20-7	m,p-Xylenes	104		126		70	130	19	25	
95-47-6	o-Xylene	104		127		70	130	20	25	
108-67-8	1,3,5-Trimethylbenzene	95		109		70	130	14	25	
95-63-6	1,2,4-Trimethylbenzene	95		105		70	130	9	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08066A**	
File Name:	QC08066B.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	**8/6/26**	**Time:** **9:07**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	6 Aug 126 9:07 am	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**080626-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	10.868	2.15	2.15	62.00	3809071
75-35-4	1,1-Dichloroethene	13	TRG	11.490	3.41	3.43	61.00	5471036
75-09-2	Dichloromethane	15	TRG	11.648	4.08	4.08	84.00	2643171
75-34-3	1,1-Dichloroethane	19	TRG	7.251	4.93	4.94	63.00	3853214
67-66-3	Chloroform	26	TRG	6.6448	5.83	5.80	83.00	3104927
71-55-6	1,1,1-Trichloroethane	28	TRG	3.172	6.05	6.08	97.00	1298090
107-06-2	1,2-Dichloroethane	29	TRG	8.196	6.68	6.71	61.95	3763379
71-43-2	Benzene	31	TRG	9.049	6.46	6.49	78.00	10244743
56-23-5	Carbon tetrachloride	32	TRG	9.209	5.98	6.01	116.90	2252549
79-01-6	Trichloroethene	36	TRG	6.087	7.14	7.17	130.00	3459816
108-88-3	Toluene	42	TRG	7.892	8.88	8.92	91.00	9936835
106-93-4	1,2-Dibromoethane	47	TRG	6.983	10.15	10.15	107.00	6575762
127-18-4	Tetrachloroethene	48	TRG	6.121	9.39	9.41	166.00	4697752
100-41-4	Ethylbenzene	51	TRG	9.852	10.92	10.94	91.00	16320628
1330-20-7	m,p-Xylenes	52	TRG	9.064	11.12	11.15	91.00	12080560
95-47-6	o-Xylene	55	TRG	9.904	11.72	11.76	91.00	14496953
108-67-8	1,3,5-Trimethylbenzene	58	TRG	10.874	13.09	13.12	105.00	20099951
95-63-6	1,2,4-Trimethylbenzene	59	TRG	18.047	13.67	13.71	105.00	22262235
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**4810312**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.18	7.20	114.00	**7735079**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**8191449**
2037-26-5	Toluene-d8	41	SURR	2.566	8.83	8.85	98.00	**4243069**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	LABQC	
						EAS ID:	QC08066A	
File Name:	QC08066A.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	8/6/26	**Time:** 8:20
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	1.00	
Date:	6 Aug 126 8:20 am	SF:	**2**			**Volume:**	1.00	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	080626-MB1	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	AA	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	9.961	2.14	2.15	62.00	3551862
75-35-4	1,1-Dichloroethene	13	TRG	10.464	3.41	3.43	61.00	5018767
75-09-2	Dichloromethane	15	TRG	11.199	4.06	4.08	84.00	2671913
75-34-3	1,1-Dichloroethane	19	TRG	7.156	4.91	4.94	63.00	3989408
67-66-3	Chloroform	26	TRG	6.5028174	5.83	5.80	83.00	3179896
71-55-6	1,1,1-Trichloroethane	28	TRG	2.847	6.05	6.08	97.00	1146875
107-06-2	1,2-Dichloroethane	29	TRG	7.943	6.68	6.71	61.95	3744193
71-43-2	Benzene	31	TRG	8.974	6.46	6.49	78.00	10475081
56-23-5	Carbon tetrachloride	32	TRG	8.288	5.98	6.01	116.90	1971703
79-01-6	Trichloroethene	36	TRG	6.412	7.14	7.17	130.00	3777752
108-88-3	Toluene	42	TRG	9.321	8.89	8.92	91.00	12128529
106-93-4	1,2-Dibromoethane	47	TRG	6.651	10.15	10.15	107.00	6457668
127-18-4	Tetrachloroethene	48	TRG	7.067	9.39	9.41	166.00	5655297
100-41-4	Ethylbenzene	51	TRG	10.758	10.92	10.94	91.00	18510025
1330-20-7	m,p-Xylenes	52	TRG	10.963	11.12	11.15	91.00	15176315
95-47-6	o-Xylene	55	TRG	12.094	11.72	11.76	91.00	18386555
108-67-8	1,3,5-Trimethylbenzene	58	TRG	12.516	13.10	13.12	105.00	24029483
95-63-6	1,2,4-Trimethylbenzene	59	TRG	19.834	13.67	13.71	105.00	25313204
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**5057386**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.18	7.20	114.00	**7976276**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**8508288**
2037-26-5	Toluene-d8	41	SURR	2.699	8.83	8.85	98.00	**4601602**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08066A	QC08066A	
File Name:	QC08066B.D	QC08066A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	080626-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1)	FIXED Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	10.87	10.87	10.87	107	107		0.20	**10.17**	10.17	70	130	9
1,1-Dichloroethene	11.49	11.49	11.49	115	115		0.20	**9.99**	9.99	70	130	9
Dichloromethane	11.65	11.65	11.65	105	105		0.20	**11.08**	11.08	70	130	4
1,1-Dichloroethane	7.25	7.25	7.25	103	103		0.20	**7.04**	7.04	70	130	1
Chloroform	6.64	6.64	6.64	101	101		0.20	**6.60**	6.60	70	130	2
1,1,1-Trichloroethane	3.17	3.17	3.17	104	104		0.20	**3.06**	3.06	70	130	11
1,2-Dichloroethane	8.20	8.20	8.20	101	101		0.20	**8.14**	8.14	70	130	3
Benzene	9.05	9.05	9.05	103	103		0.20	**8.80**	8.80	70	130	1
Carbon tetrachloride	9.21	9.21	9.21	114	114		0.20	**8.09**	8.09	70	130	11
Trichloroethene	6.09	6.09	6.09	100	100		0.20	**6.08**	6.08	70	130	5
Toluene	7.89	7.89	7.89	103	103		0.20	**7.67**	7.67	70	130	17
1,2-Dibromoethane	6.98	6.98	6.98	117	117		0.20	**5.97**	5.97	70	130	5
Tetrachloroethene	6.12	6.12	6.12	99	99		0.20	**6.15**	6.15	70	130	14
Ethylbenzene	9.85	9.85	9.85	105	105		0.20	**9.38**	9.38	70	130	9
m,p-Xylenes	9.06	9.06	9.06	104	104		0.20	**8.68**	8.68	70	130	19
o-Xylene	9.90	9.90	9.90	104	104		0.20	**9.55**	9.55	70	130	20
1,3,5-Trimethylbenzene	10.87	10.87	10.87	95	95		0.20	**11.48**	11.48	70	130	14
1,2,4-Trimethylbenzene	18.05	18.05	18.05	95	95		0.20	**18.92**	18.92	70	130	9
Toluene-d8	2.57	2.57	2.57	103	103				2.50	70	130	
Vinyl chloride	9.96	9.96	9.96	98	98		0.20	**10.17**	10.17	70	130	
1,1-Dichloroethene	10.46	10.46	10.46	105	105		0.20	**9.99**	9.99	70	130	
Dichloromethane	11.20	11.20	11.20	101	101		0.20	**11.08**	11.08	70	130	
1,1-Dichloroethane	7.16	7.16	7.16	102	102		0.20	**7.04**	7.04	70	130	
Chloroform	6.50	6.50	6.50	99	99		0.20	**6.60**	6.60	70	130	
1,1,1-Trichloroethane	2.85	2.85	2.85	93	93		0.20	**3.06**	3.06	70	130	
1,2-Dichloroethane	7.94	7.94	7.94	98	98		0.20	**8.14**	8.14	70	130	
Benzene	8.97	8.97	8.97	102	102		0.20	**8.80**	8.80	70	130	
Carbon tetrachloride	8.29	8.29	8.29	102	102		0.20	**8.09**	8.09	70	130	
Trichloroethene	6.41	6.41	6.41	105	105		0.20	**6.08**	6.08	70	130	
Toluene	9.32	9.32	9.32	121	121		0.20	**7.67**	7.67	70	130	
1,2-Dibromoethane	6.65	6.65	6.65	111	111		0.20	**5.97**	5.97	70	130	
Tetrachloroethene	7.07	7.07	7.07	115	115		0.20	**6.15**	6.15	70	130	
Ethylbenzene	10.76	10.76	10.76	115	115		0.20	**9.38**	9.38	70	130	
m,p-Xylenes	10.96	10.96	10.96	126	126		0.20	**8.68**	8.68	70	130	

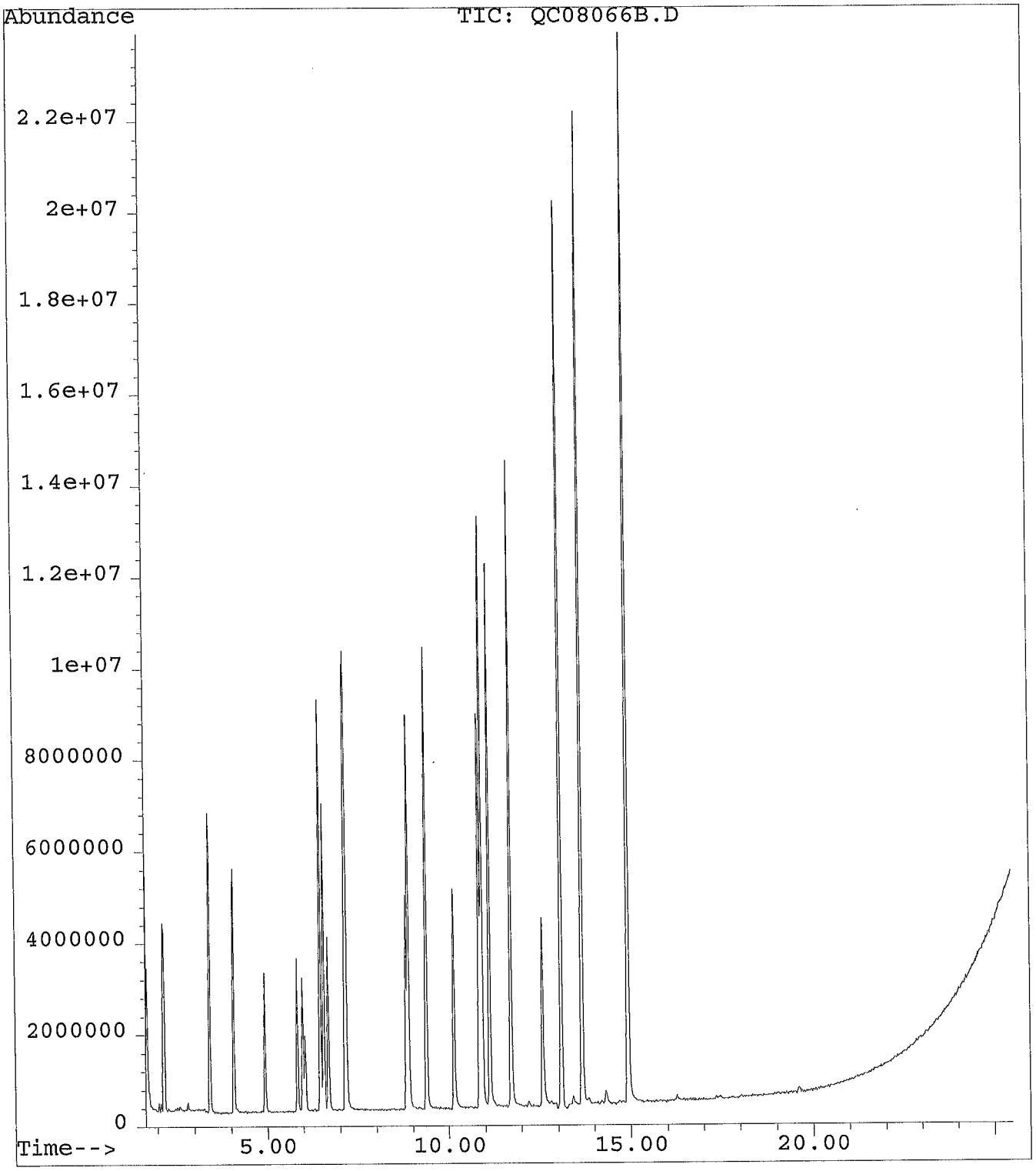
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	12.09	12.09	12.09	127	127		0.20	**9.55**	9.55	70	130	
1,3,5-Trimethylbenzene	12.52	12.52	12.52	109	109		0.20	**11.48**	11.48	70	130	
1,2,4-Trimethylbenzene	19.83	19.83	19.83	105	105		0.20	**18.92**	18.92	70	130	
Toluene-d8	2.70	2.57	2.57	108	108				2.50	70	130	

IXED

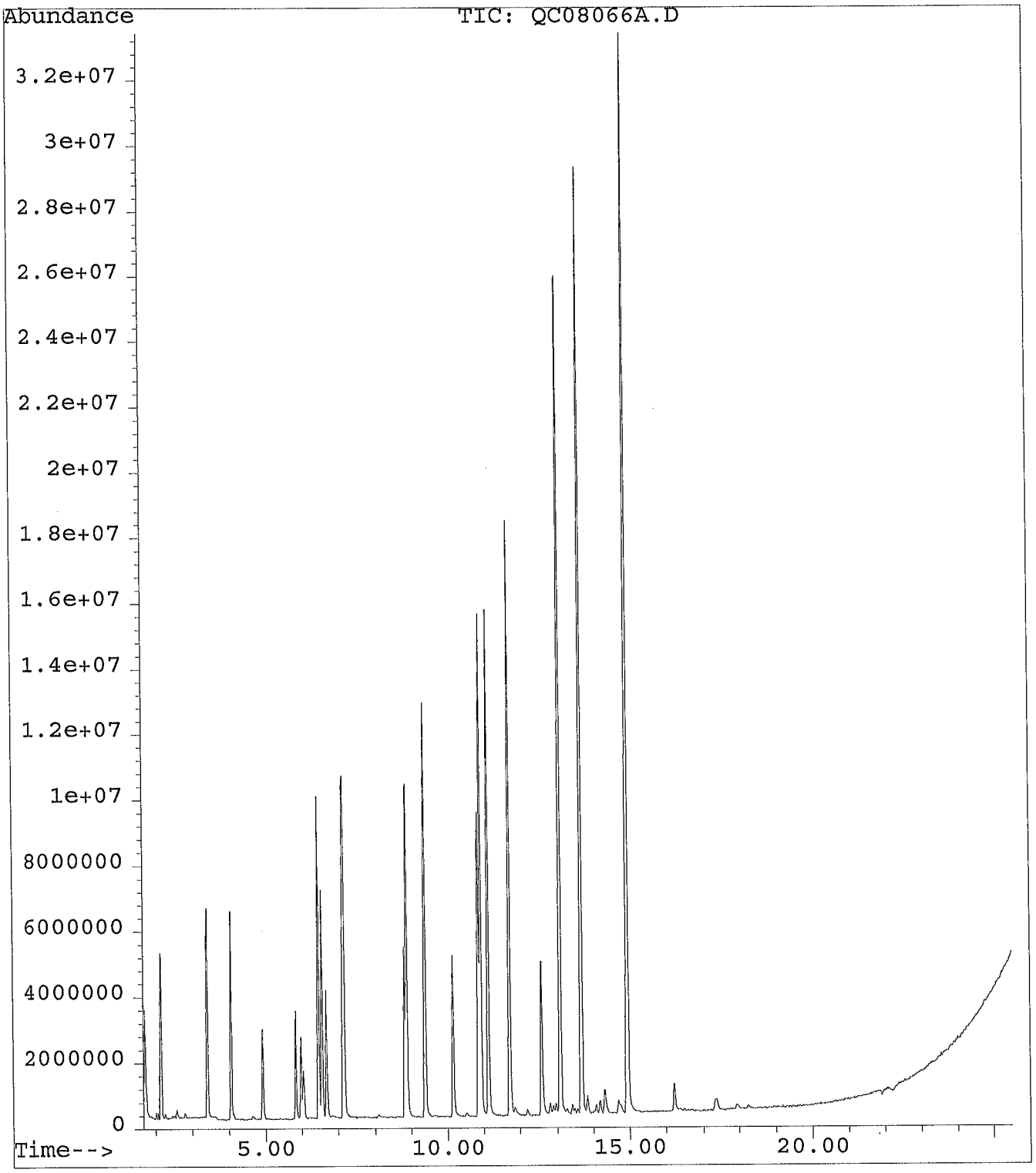
RPD %	imi	Flag
9	25	
9	25	
4	25	
1	25	
2	25	
11	25	
3	25	
1	25	
11	25	
5	25	
17	25	
5	25	
14	25	
9	25	
19	25	
20	25	
14	25	
9	25	

RPD %	imi Flag

File : C:\MSCHEM\1\DATA\08066B_3\QC08066B.D
Operator : KL
Acquired : 6 Aug 126 9:07 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08066B_3\QC08066A.D
Operator : KL
Acquired : 6 Aug 126 8:20 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 080726-MB1
Date: 8/7/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	107		106		70	130	2	25	
75-35-4	1,1-Dichloroethene	116		110		70	130	5	25	
75-09-2	Dichloromethane	109		100		70	130	8	25	
75-34-3	1,1-Dichloroethane	108		100		70	130	8	25	
67-66-3	Chloroform	107		94		70	130	13	25	
71-55-6	1,1,1-Trichloroethane	102		96		70	130	6	25	
107-06-2	1,2-Dichloroethane	112		92		70	130	20	25	
71-43-2	Benzene	107		95		70	130	12	25	
56-23-5	Carbon tetrachloride	106		98		70	130	8	25	
79-01-6	Trichloroethene	98		87		70	130	12	25	
108-88-3	Toluene	99		81		70	130	20	25	
106-93-4	1,2-Dibromoethane	84		75		70	130	12	25	
127-18-4	Tetrachloroethene	90		78		70	130	14	25	
100-41-4	Ethylbenzene	96		75		70	130	24	25	
1330-20-7	m,p-Xylenes	93		73		70	130	24	25	
95-47-6	o-Xylene	92		73		70	130	23	25	
108-67-8	1,3,5-Trimethylbenzene	103		86		70	130	17	25	
95-63-6	1,2,4-Trimethylbenzene	105		90		70	130	16	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

							SDG:	**LABQC**	
							EAS ID:	**QC08076A**	
File Name:	QC08076B.D						**Date Sampled:**	**Time:**	
Sample ID:	ST62068						**Date Received:**	**Time:**	
Method:	**TO15**						**Date Analyzed:**	**8/7/26**	**Time:** **9:14**
MiscInfo-Vol:		MDL FAC:	**1**				**Can Factor:**	**1.00**	
Date:	7 Aug 126 9:14 am	SF:	**2**				**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**				**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3		**QCbatch:**	**080726-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**				**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**						
Analyst:	KL	Multiplier:	1.00						
		Type:	**TRG**						

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.179	2.15	2.15	62.00	3585401
75-35-4	1,1-Dichloroethene	13	TRG	11.564	3.41	3.43	61.00	4997394
75-09-2	Dichloromethane	15	TRG	12.027	4.06	4.08	84.00	2469335
75-34-3	1,1-Dichloroethane	19	TRG	7.535	4.93	4.94	63.00	3644927
67-66-3	Chloroform	26	TRG	7.0495	5.83	5.80	83.00	3016481
71-55-6	1,1,1-Trichloroethane	28	TRG	3.154	6.05	6.08	97.00	1170008
107-06-2	1,2-Dichloroethane	29	TRG	9.037	6.68	6.71	61.95	3818349
71-43-2	Benzene	31	TRG	9.439	6.46	6.49	78.00	9713321
56-23-5	Carbon tetrachloride	32	TRG	9.122	5.98	6.01	116.90	2015496
79-01-6	Trichloroethene	36	TRG	5.905	7.14	7.17	130.00	3039599
108-88-3	Toluene	42	TRG	7.435	8.88	8.92	91.00	8496189
106-93-4	1,2-Dibromoethane	47	TRG	5.122	10.14	10.14	107.00	4380988
127-18-4	Tetrachloroethene	48	TRG	5.452	9.37	9.41	166.00	3761863
100-41-4	Ethylbenzene	51	TRG	8.583	10.90	10.94	91.00	12627868
1330-20-7	m,p-Xylenes	52	TRG	7.715	11.11	11.15	91.00	9131889
95-47-6	o-Xylene	55	TRG	8.330	11.72	11.76	91.00	10827922
108-67-8	1,3,5-Trimethylbenzene	58	TRG	10.795	13.08	13.12	105.00	17720606
95-63-6	1,2,4-Trimethylbenzene	59	TRG	18.154	13.67	13.71	105.00	19883705
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**4352221**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.17	7.20	114.00	**7026150**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.83	10.88	117.00	**7274978**
2037-26-5	Toluene-d8	41	SURR	2.677	8.81	8.85	98.00	**4020463**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08076A**	
File Name:	QC08076A.D					**Date Sampled:**	**Time:**	
Sample ID:	ST62068					**Date Received:**	**Time:**	
Method:	**TO15**					**Date Analyzed:**	**8/7/26**	**Time:** **8:28**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	7 Aug 126 8:28 am	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**080726-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.012	2.14	2.15	62.00	3619534
75-35-4	1,1-Dichloroethene	13	TRG	10.969	3.41	3.43	61.00	4768276
75-09-2	Dichloromethane	15	TRG	11.065	4.06	4.08	84.00	2342396
75-34-3	1,1-Dichloroethane	19	TRG	6.964	4.91	4.94	63.00	3429098
67-66-3	Chloroform	26	TRG	6.20439502	5.83	5.80	83.00	2663967
71-55-6	1,1,1-Trichloroethane	28	TRG	2.978	6.05	6.08	97.00	1098435
107-06-2	1,2-Dichloroethane	29	TRG	7.397	6.68	6.71	61.95	3095856
71-43-2	Benzene	31	TRG	8.352	6.46	6.49	78.00	8737615
56-23-5	Carbon tetrachloride	32	TRG	8.441	5.98	6.01	116.90	1819947
79-01-6	Trichloroethene	36	TRG	5.257	7.14	7.17	130.00	2721759
108-88-3	Toluene	42	TRG	6.078	8.87	8.92	91.00	7051537
106-93-4	1,2-Dibromoethane	47	TRG	4.550	10.13	10.13	107.00	3964792
127-18-4	Tetrachloroethene	48	TRG	4.720	9.38	9.41	166.00	3270036
100-41-4	Ethylbenzene	51	TRG	6.714	10.92	10.94	91.00	10178167
1330-20-7	m,p-Xylenes	52	TRG	6.064	11.12	11.15	91.00	7396112
95-47-6	o-Xylene	55	TRG	6.639	11.72	11.76	91.00	8892531
108-67-8	1,3,5-Trimethylbenzene	58	TRG	9.092	13.08	13.12	105.00	15379422
95-63-6	1,2,4-Trimethylbenzene	59	TRG	15.491	13.67	13.71	105.00	17614279
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**4487459**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.17	7.20	114.00	**7158153**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**7495998**
2037-26-5	Toluene-d8	41	SURR	2.621	8.82	8.85	98.00	**4010134**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08076A	QC08076A	
File Name:	QC08076B.D	QC08076A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	080726-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	11.18	11.18	11.18	107	107		0.20	**10.42**	10.42	70	130	2
1,1-Dichloroethene	11.56	11.56	11.56	116	116		0.20	**10.01**	10.01	70	130	5
Dichloromethane	12.03	12.03	12.03	109	109		0.20	**11.08**	11.08	70	130	8
1,1-Dichloroethane	7.53	7.53	7.53	108	108		0.20	**6.96**	6.96	70	130	8
Chloroform	7.05	7.05	7.05	107	107		0.20	**6.57**	6.57	70	130	13
1,1,1-Trichloroethane	3.15	3.15	3.15	102	102		0.20	**3.10**	3.10	70	130	6
1,2-Dichloroethane	9.04	9.04	9.04	112	112		0.20	**8.04**	8.04	70	130	20
Benzene	9.44	9.44	9.44	107	107		0.20	**8.81**	8.81	70	130	12
Carbon tetrachloride	9.12	9.12	9.12	106	106		0.20	**8.60**	8.60	70	130	8
Trichloroethene	5.91	5.91	5.91	98	98		0.20	**6.04**	6.04	70	130	12
Toluene	7.44	7.44	7.44	99	99		0.20	**7.51**	7.51	70	130	20
1,2-Dibromoethane	5.12	5.12	5.12	84	84		0.20	**6.08**	6.08	70	130	12
Tetrachloroethene	5.45	5.45	5.45	90	90		0.20	**6.04**	6.04	70	130	14
Ethylbenzene	8.58	8.58	8.58	96	96		0.20	**8.95**	8.95	70	130	24
m,p-Xylenes	7.71	7.71	7.71	93	93		0.20	**8.30**	8.30	70	130	24
o-Xylene	8.33	8.33	8.33	92	92		0.20	**9.09**	9.09	70	130	23
1,3,5-Trimethylbenzene	10.79	10.79	10.79	103	103		0.20	**10.53**	10.53	70	130	17
1,2,4-Trimethylbenzene	18.15	18.15	18.15	105	105		0.20	**17.24**	17.24	70	130	16
Toluene-d8	2.68	2.68	2.68	107	107				2.50	70	130	
Vinyl chloride	11.01	11.01	11.01	106	106		0.20	**10.42**	10.42	70	130	
1,1-Dichloroethene	10.97	10.97	10.97	110	110		0.20	**10.01**	10.01	70	130	
Dichloromethane	11.07	11.07	11.07	100	100		0.20	**11.08**	11.08	70	130	
1,1-Dichloroethane	6.96	6.96	6.96	100	100		0.20	**6.96**	6.96	70	130	
Chloroform	6.20	6.20	6.20	94	94		0.20	**6.57**	6.57	70	130	
1,1,1-Trichloroethane	2.98	2.98	2.98	96	96		0.20	**3.10**	3.10	70	130	
1,2-Dichloroethane	7.40	7.40	7.40	92	92		0.20	**8.04**	8.04	70	130	
Benzene	8.35	8.35	8.35	95	95		0.20	**8.81**	8.81	70	130	
Carbon tetrachloride	8.44	8.44	8.44	98	98		0.20	**8.60**	8.60	70	130	
Trichloroethene	5.26	5.26	5.26	87	87		0.20	**6.04**	6.04	70	130	
Toluene	6.08	6.08	6.08	81	81		0.20	**7.51**	7.51	70	130	
1,2-Dibromoethane	4.55	4.55	4.55	75	75		0.20	**6.08**	6.08	70	130	
Tetrachloroethene	4.72	4.72	4.72	78	78		0.20	**6.04**	6.04	70	130	
Ethylbenzene	6.71	6.71	6.71	75	75		0.20	**8.95**	8.95	70	130	
m,p-Xylenes	6.06	6.06	6.06	73	73		0.20	**8.30**	8.30	70	130	

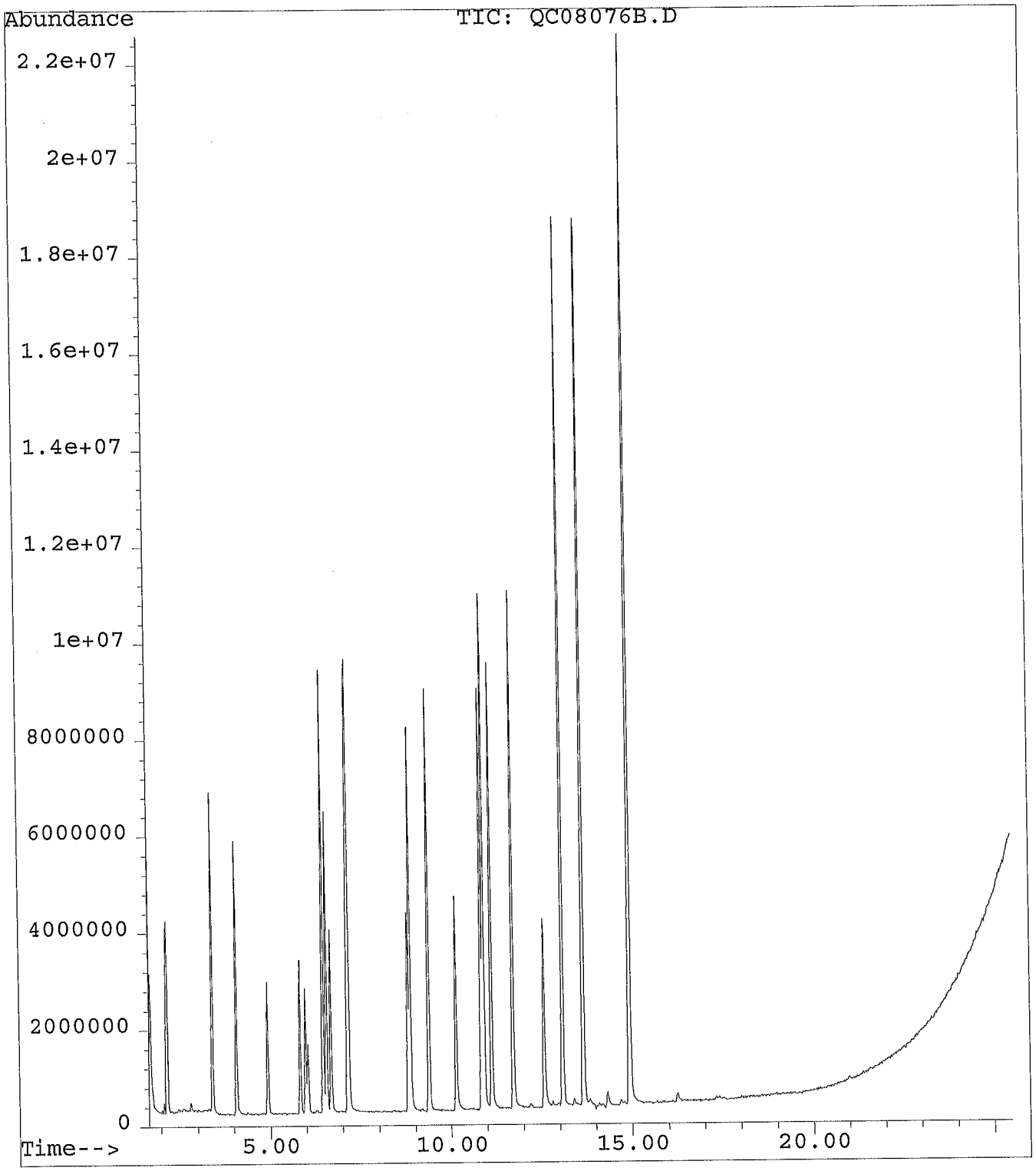
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	6.64	6.64	6.64	73	73		0.20	**9.09**	9.09	70	130	
1,3,5-Trimethylbenzene	9.09	9.09	9.09	86	86		0.20	**10.53**	10.53	70	130	
1,2,4-Trimethylbenzene	15.49	15.49	15.49	90	90		0.20	**17.24**	17.24	70	130	
Toluene-d8	2.62	2.68	2.68	105	105				2.50	70	130	

RPD imi Flag %

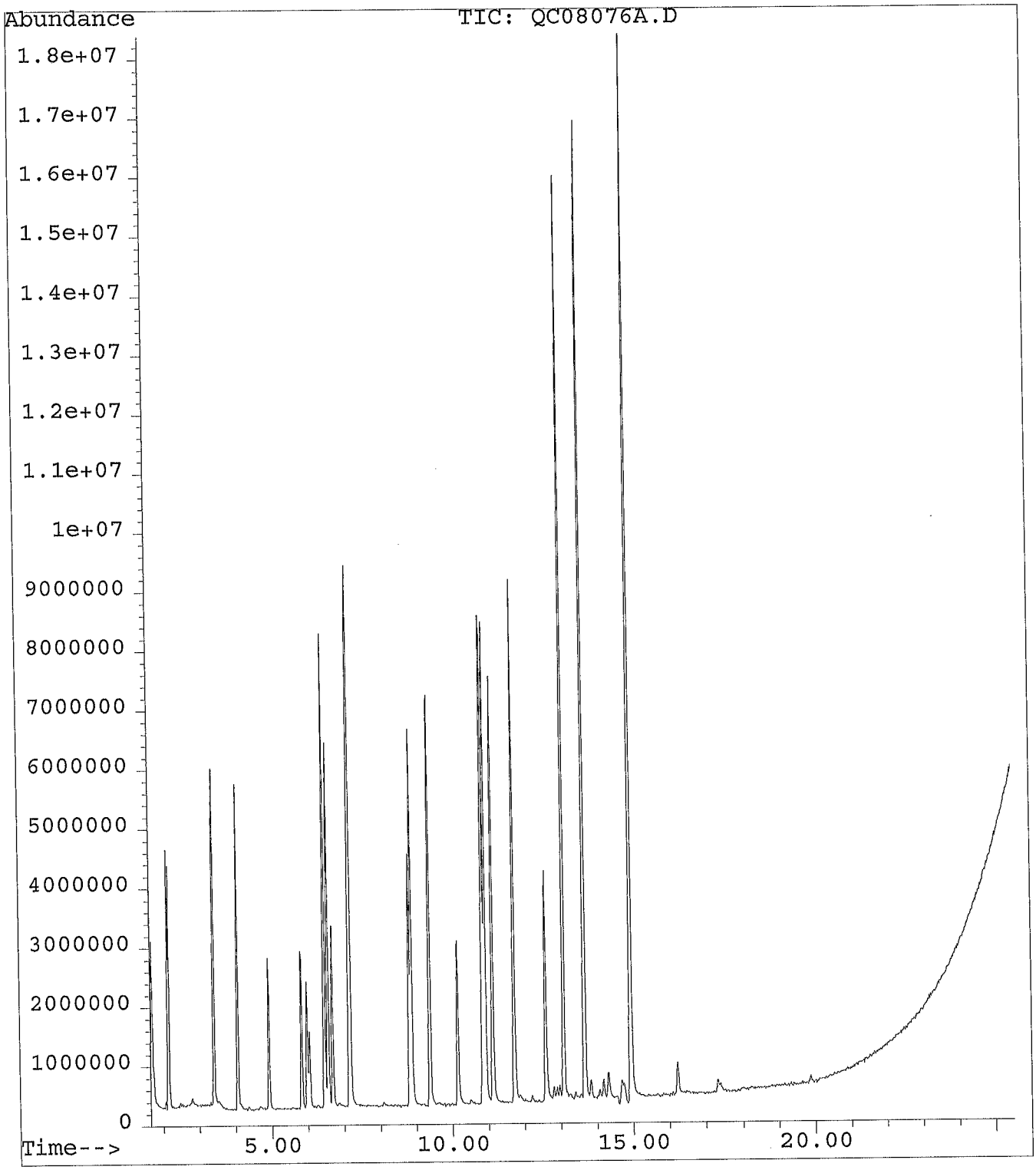
IXED

RPD %	imi	Flag
2	25	
5	25	
8	25	
8	25	
13	25	
6	25	
20	25	
12	25	
8	25	
12	25	
20	25	
12	25	
14	25	
24	25	
24	25	
23	25	
17	25	
16	25	

File : C:\MSCHEM\1\DATA\08076B_3\QC08076B.D
Operator : KL
Acquired : 7 Aug 126 9:14 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08076B_3\QC08076A.D
Operator : KL
Acquired : 7 Aug 126 8:28 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081026-MB1
Date: 8/10/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	113		109		70	130	3	25	
75-35-4	1,1-Dichloroethene	117		107		70	130	9	25	
75-09-2	Dichloromethane	104		93		70	130	12	25	
75-34-3	1,1-Dichloroethane	102		98		70	130	4	25	
67-66-3	Chloroform	102		88		70	130	14	25	
71-55-6	1,1,1-Trichloroethane	102		93		70	130	9	25	
107-06-2	1,2-Dichloroethane	107		86		70	130	22	25	
71-43-2	Benzene	100		90		70	130	10	25	
56-23-5	Carbon tetrachloride	102		90		70	130	12	25	
79-01-6	Trichloroethene	94		83		70	130	13	25	
108-88-3	Toluene	96		82		70	130	17	25	
106-93-4	1,2-Dibromoethane	78		71		70	130	9	25	
127-18-4	Tetrachloroethene	87		74		70	130	17	25	
100-41-4	Ethylbenzene	96		76		70	130	24	25	
1330-20-7	m,p-Xylenes	93		75		70	130	22	25	
95-47-6	o-Xylene	83		74		70	130	11	25	
108-67-8	1,3,5-Trimethylbenzene	112		90		70	130	22	25	
95-63-6	1,2,4-Trimethylbenzene	116		94		70	130	21	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	LABQC		
						EAS ID:	QC08106A		
File Name:	QC08106B.D					**Date Sampled:**		**Time:**	
Sample ID:	ST62068					**Date Received:**		**Time:**	
Method:	**TO15**					**Date Analyzed:**	8/10/26	**Time:**	9:33
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	1.00		
Date:	10 Aug 126 9:33 am	SF:	**2**			**Volume:**	1.00		
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**			
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	081026-MB1		
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	AA		
Instrument:	5970 - MS	Instrument ID:	**MB1**						
Analyst:	KL	Multiplier:	1.00						
		Type:	**TRG**						

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.598	2.15	2.15	62.00	3714929
75-35-4	1,1-Dichloroethene	13	TRG	12.059	3.43	3.43	61.00	5231228
75-09-2	Dichloromethane	15	TRG	11.425	4.09	4.08	84.00	2307083
75-34-3	1,1-Dichloroethane	19	TRG	7.033	4.94	4.94	63.00	3308971
67-66-3	Chloroform	26	TRG	6.5787	5.85	5.80	83.00	2729785
71-55-6	1,1,1-Trichloroethane	28	TRG	3.097	6.07	6.08	97.00	1127222
107-06-2	1,2-Dichloroethane	29	TRG	8.331	6.70	6.71	61.95	3442940
71-43-2	Benzene	31	TRG	8.680	6.48	6.49	78.00	8818798
56-23-5	Carbon tetrachloride	32	TRG	8.891	6.00	6.01	116.90	1914032
79-01-6	Trichloroethene	36	TRG	5.593	7.16	7.17	130.00	2829397
108-88-3	Toluene	42	TRG	6.940	8.89	8.92	91.00	7831989
106-93-4	1,2-Dibromoethane	47	TRG	4.315	10.15	10.15	107.00	3649070
127-18-4	Tetrachloroethene	48	TRG	5.081	9.40	9.41	166.00	3442201
100-41-4	Ethylbenzene	51	TRG	8.030	10.93	10.94	91.00	10846037
1330-20-7	m,p-Xylenes	52	TRG	7.260	11.14	11.15	91.00	7889548
95-47-6	o-Xylene	55	TRG	7.097	11.73	11.76	91.00	8470739
108-67-8	1,3,5-Trimethylbenzene	58	TRG	11.161	13.09	13.12	105.00	16822526
95-63-6	1,2,4-Trimethylbenzene	59	TRG	18.795	13.69	13.71	105.00	18872080
363-72-4	Pentafluorobenzene	1	IS	5.000	6.58	6.59	168.00	**4280766**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.19	7.20	114.00	**6946223**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.87	10.88	117.00	**6679314**
2037-26-5	Toluene-d8	41	SURR	2.521	8.84	8.85	98.00	**3743598**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08106A**	
File Name:	QC08106A.D					**Date Sampled:**	**Time:**	
Sample ID:	ST62068					**Date Received:**	**Time:**	
Method:	**TO15**					**Date Analyzed:**	**8/10/26**	**Time:** **8:57**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	10 Aug 126 8:57 am	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**081026-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.253	2.15	2.15	62.00	3608405
75-35-4	1,1-Dichloroethene	13	TRG	11.061	3.43	3.43	61.00	4667702
75-09-2	Dichloromethane	15	TRG	10.180	4.08	4.08	84.00	2083971
75-34-3	1,1-Dichloroethane	19	TRG	6.770	4.93	4.94	63.00	3207810
67-66-3	Chloroform	26	TRG	5.6931602	5.85	5.80	83.00	2315182
71-55-6	1,1,1-Trichloroethane	28	TRG	2.817	6.07	6.08	97.00	993595
107-06-2	1,2-Dichloroethane	29	TRG	6.712	6.70	6.71	61.95	2709541
71-43-2	Benzene	31	TRG	7.823	6.48	6.49	78.00	8012635
56-23-5	Carbon tetrachloride	32	TRG	7.890	6.00	6.01	116.90	1609235
79-01-6	Trichloroethene	36	TRG	4.934	7.16	7.17	130.00	2484202
108-88-3	Toluene	42	TRG	5.879	8.89	8.92	91.00	6681679
106-93-4	1,2-Dibromoethane	47	TRG	3.944	10.17	10.17	107.00	3368473
127-18-4	Tetrachloroethene	48	TRG	4.281	9.40	9.41	166.00	2873999
100-41-4	Ethylbenzene	51	TRG	6.341	10.93	10.94	91.00	9243083
1330-20-7	m,p-Xylenes	52	TRG	5.822	11.14	11.15	91.00	6827914
95-47-6	o-Xylene	55	TRG	6.335	11.73	11.76	91.00	8159995
108-67-8	1,3,5-Trimethylbenzene	58	TRG	8.983	13.09	13.12	105.00	14611852
95-63-6	1,2,4-Trimethylbenzene	59	TRG	15.233	13.69	13.71	105.00	16669549
363-72-4	Pentafluorobenzene	1	IS	5.000	6.58	6.59	168.00	**4339695**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.19	7.20	114.00	**7016324**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.87	10.88	117.00	**7208144**
2037-26-5	Toluene-d8	41	SURR	2.606	8.84	8.85	98.00	**3907853**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08106A	QC08106A	
File Name:	QC08106B.D	QC08106A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	081026-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	11.60	11.60	11.60	113	113		0.20	**10.28**	10.28	70	130	3
1,1-Dichloroethene	12.06	12.06	12.06	117	117		0.20	**10.34**	10.34	70	130	9
Dichloromethane	11.42	11.42	11.42	104	104		0.20	**11.00**	11.00	70	130	12
1,1-Dichloroethane	7.03	7.03	7.03	102	102		0.20	**6.88**	6.88	70	130	4
Chloroform	6.58	6.58	6.58	102	102		0.20	**6.46**	6.46	70	130	14
1,1,1-Trichloroethane	3.10	3.10	3.10	102	102		0.20	**3.04**	3.04	70	130	9
1,2-Dichloroethane	8.33	8.33	8.33	107	107		0.20	**7.81**	7.81	70	130	22
Benzene	8.68	8.68	8.68	100	100		0.20	**8.70**	8.70	70	130	10
Carbon tetrachloride	8.89	8.89	8.89	102	102		0.20	**8.75**	8.75	70	130	12
Trichloroethene	5.59	5.59	5.59	94	94		0.20	**5.94**	5.94	70	130	13
Toluene	6.94	6.94	6.94	96	96		0.20	**7.20**	7.20	70	130	17
1,2-Dibromoethane	4.32	4.32	4.32	78	78		0.20	**5.53**	5.53	70	130	9
Tetrachloroethene	5.08	5.08	5.08	87	87		0.20	**5.81**	5.81	70	130	17
Ethylbenzene	8.03	8.03	8.03	96	96		0.20	**8.39**	8.39	70	130	24
m,p-Xylenes	7.26	7.26	7.26	93	93		0.20	**7.78**	7.78	70	130	22
o-Xylene	7.10	7.10	7.10	83	83		0.20	**8.50**	8.50	70	130	11
1,3,5-Trimethylbenzene	11.16	11.16	11.16	112	112		0.20	**9.96**	9.96	70	130	22
1,2,4-Trimethylbenzene	18.79	18.79	18.79	116	116		0.20	**16.24**	16.24	70	130	21
Toluene-d8	2.52	2.52	2.52	101	101				2.50	70	130	
Vinyl chloride	11.25	11.25	11.25	109	109		0.20	**10.28**	10.28	70	130	
1,1-Dichloroethene	11.06	11.06	11.06	107	107		0.20	**10.34**	10.34	70	130	
Dichloromethane	10.18	10.18	10.18	93	93		0.20	**11.00**	11.00	70	130	
1,1-Dichloroethane	6.77	6.77	6.77	98	98		0.20	**6.88**	6.88	70	130	
Chloroform	5.69	5.69	5.69	88	88		0.20	**6.46**	6.46	70	130	
1,1,1-Trichloroethane	2.82	2.82	2.82	93	93		0.20	**3.04**	3.04	70	130	
1,2-Dichloroethane	6.71	6.71	6.71	86	86		0.20	**7.81**	7.81	70	130	
Benzene	7.82	7.82	7.82	90	90		0.20	**8.70**	8.70	70	130	
Carbon tetrachloride	7.89	7.89	7.89	90	90		0.20	**8.75**	8.75	70	130	
Trichloroethene	4.93	4.93	4.93	83	83		0.20	**5.94**	5.94	70	130	
Toluene	5.88	5.88	5.88	82	82		0.20	**7.20**	7.20	70	130	
1,2-Dibromoethane	3.94	3.94	3.94	71	71		0.20	**5.53**	5.53	70	130	
Tetrachloroethene	4.28	4.28	4.28	74	74		0.20	**5.81**	5.81	70	130	
Ethylbenzene	6.34	6.34	6.34	76	76		0.20	**8.39**	8.39	70	130	
m,p-Xylenes	5.82	5.82	5.82	75	75		0.20	**7.78**	7.78	70	130	

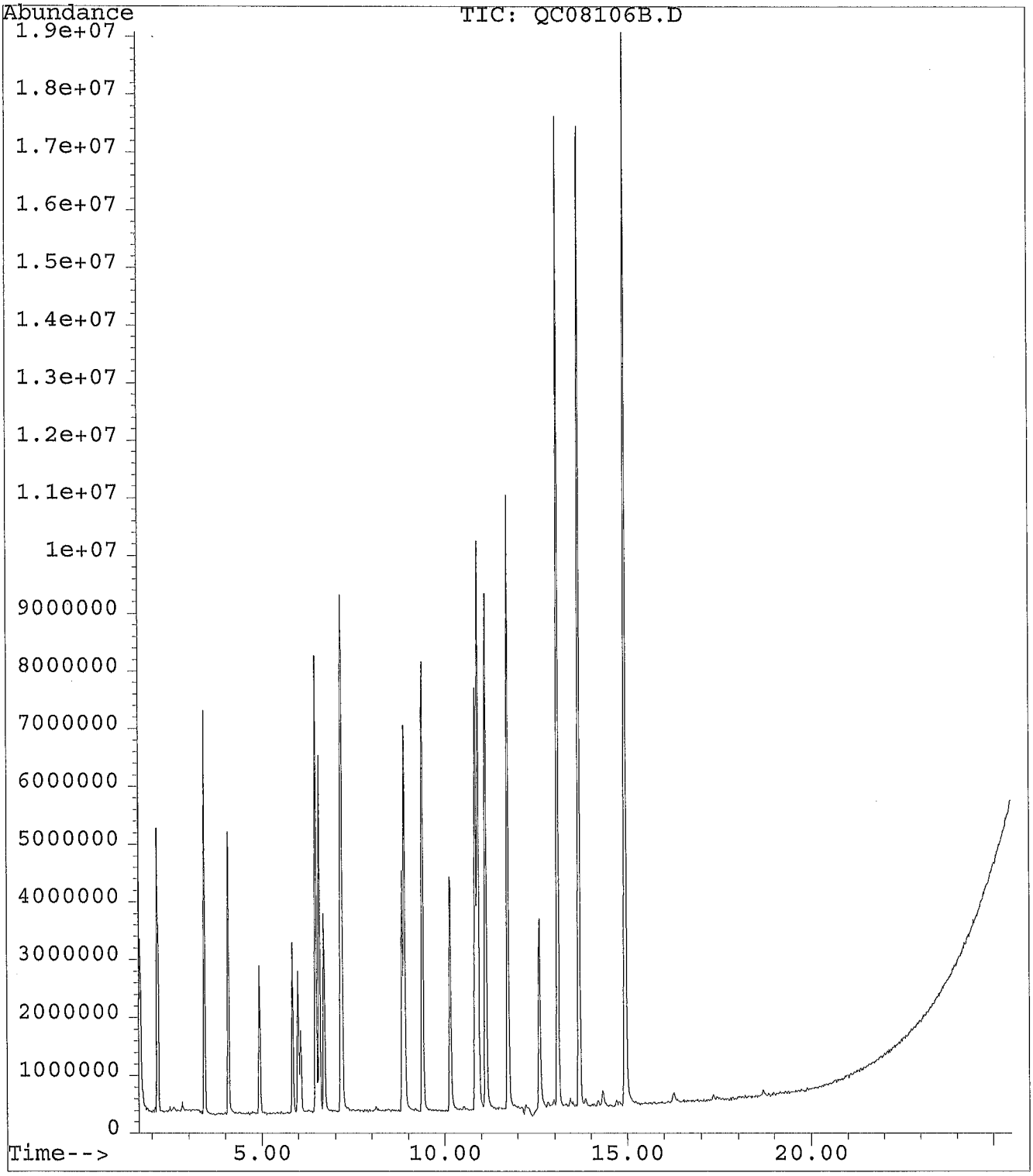
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	6.34	6.34	6.34	74	74		0.20	**8.50**	8.50	70	130	
1,3,5-Trimethylbenzene	8.98	8.98	8.98	90	90		0.20	**9.96**	9.96	70	130	
1,2,4-Trimethylbenzene	15.23	15.23	15.23	94	94		0.20	**16.24**	16.24	70	130	
Toluene-d8	2.61	2.52	2.52	104	104				2.50	70	130	

IXED

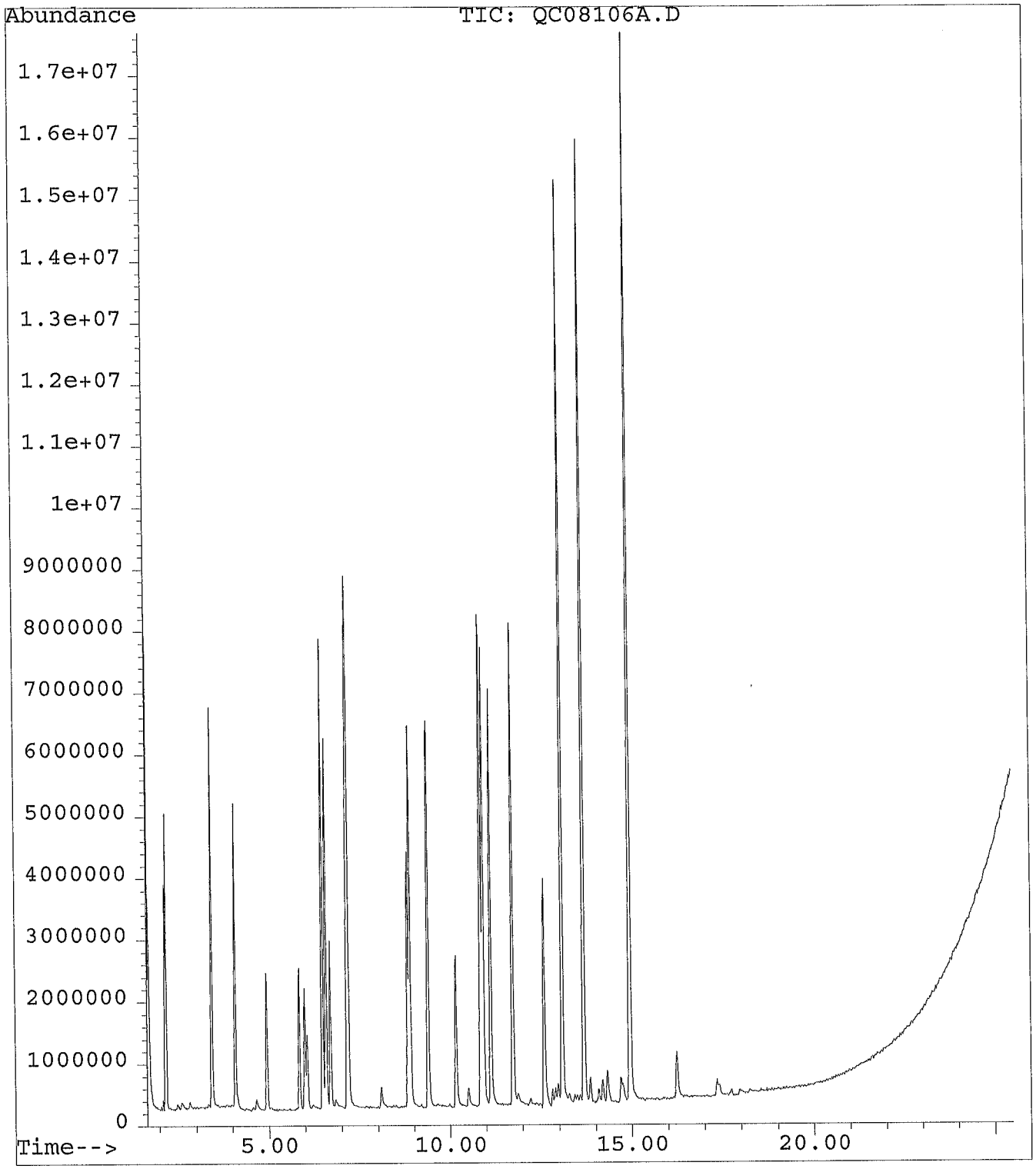
RPD %	imi	Flag
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9	25	
12	25	
4	25	
14	25	
9	25	
22	25	
10	25	
12	25	
13	25	
17	25	
9	25	
17	25	
24	25	
22	25	
11	25	
22	25	
21	25	

RPD imi Flag %

File : C:\MSCHEM\1\DATA\08106B_3\QC08106B.D
Operator : KL
Acquired : 10 Aug 126 9:33 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08106B_3\QC08106A.D
Operator : KL
Acquired : 10 Aug 126 8:57 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081126-MB1
Date: 8/11/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	110		102		70	130	8	25	
75-35-4	1,1-Dichloroethene	110		109		70	130	1	25	
75-09-2	Dichloromethane	110		107		70	130	2	25	
75-34-3	1,1-Dichloroethane	108		119		70	130	10	25	
67-66-3	Chloroform	112		111		70	130	1	25	
71-55-6	1,1,1-Trichloroethane	107		103		70	130	4	25	
107-06-2	1,2-Dichloroethane	114		113		70	130	1	25	
71-43-2	Benzene	102		96		70	130	6	25	
56-23-5	Carbon tetrachloride	105		99		70	130	6	25	
79-01-6	Trichloroethene	98		95		70	130	3	25	
108-88-3	Toluene	105		102		70	130	3	25	
106-93-4	1,2-Dibromoethane	111		94		70	130	16	25	
127-18-4	Tetrachloroethene	92		87		70	130	5	25	
100-41-4	Ethylbenzene	108		91		70	130	17	25	
1330-20-7	m,p-Xylenes	106		90		70	130	17	25	
95-47-6	o-Xylene	105		88		70	130	17	25	
108-67-8	1,3,5-Trimethylbenzene	104		94		70	130	10	25	
95-63-6	1,2,4-Trimethylbenzene	99		95		70	130	5	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	LABQC
						EAS ID:	QC08116A
File Name:	QC08116B.D					**Date Sampled:**	**Time:**
Sample ID:	ST62068					**Date Received:**	**Time:**
Method:	**TO15**					**Date Analyzed:**	**8/11/26** **Time:** **9:04**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**
Date:	11 Aug 126 9:04 am	SF:	**2**			**Volume:**	**1.00**
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**	
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**081126-MB1**
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**
Instrument:	5970 - MS	Instrument ID:	**MB1**				
Analyst:	KL	Multiplier:	1.00				
		Type:	**TRG**				

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.346	2.12	2.15	62.00	3236593
75-35-4	1,1-Dichloroethene	13	TRG	11.335	3.40	3.43	61.00	4289444
75-09-2	Dichloromethane	15	TRG	12.053	4.04	4.08	84.00	2187675
75-34-3	1,1-Dichloroethane	19	TRG	7.435	4.91	4.94	63.00	3172982
67-66-3	Chloroform	26	TRG	7.2318	5.81	5.80	83.00	2749266
71-55-6	1,1,1-Trichloroethane	28	TRG	3.270	6.03	6.08	97.00	1099624
107-06-2	1,2-Dichloroethane	29	TRG	8.879	6.66	6.71	61.95	3346072
71-43-2	Benzene	31	TRG	8.857	6.46	6.49	78.00	8138930
56-23-5	Carbon tetrachloride	32	TRG	9.172	5.97	6.01	116.90	1817236
79-01-6	Trichloroethene	36	TRG	5.809	7.12	7.17	130.00	2668448
108-88-3	Toluene	42	TRG	7.559	8.88	8.92	91.00	7724020
106-93-4	1,2-Dibromoethane	47	TRG	6.126	10.14	10.14	107.00	4684255
127-18-4	Tetrachloroethene	48	TRG	5.319	9.39	9.41	166.00	3273475
100-41-4	Ethylbenzene	51	TRG	9.038	10.90	10.94	91.00	12596369
1330-20-7	m,p-Xylenes	52	TRG	8.282	11.12	11.15	91.00	9286604
95-47-6	o-Xylene	55	TRG	8.925	11.72	11.76	91.00	10990895
108-67-8	1,3,5-Trimethylbenzene	58	TRG	10.322	13.08	13.12	105.00	16052125
95-63-6	1,2,4-Trimethylbenzene	59	TRG	16.106	13.67	13.71	105.00	16805097
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**3847607**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.16	7.20	114.00	**6280927**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.83	10.88	117.00	**6891817**
2037-26-5	Toluene-d8	41	SURR	2.591	8.83	8.85	98.00	**3478003**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08116A**	
File Name:	QC08116A.D					**Date Sampled:**	**Time:**	
Sample ID:	ST62068					**Date Received:**	**Time:**	
Method:	**TO15**					**Date Analyzed:**	**8/11/26**	**Time:** **8:27**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	11 Aug 126 8:27 am	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**081126-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	10.467	2.15	2.15	62.00	3039884
75-35-4	1,1-Dichloroethene	13	TRG	11.237	3.41	3.43	61.00	4451591
75-09-2	Dichloromethane	15	TRG	11.763	4.08	4.08	84.00	2244214
75-34-3	1,1-Dichloroethane	19	TRG	8.197	4.93	4.94	63.00	3731068
67-66-3	Chloroform	26	TRG	7.16668832	5.83	5.80	83.00	2858809
71-55-6	1,1,1-Trichloroethane	28	TRG	3.128	6.05	6.08	97.00	1036075
107-06-2	1,2-Dichloroethane	29	TRG	8.795	6.68	6.71	61.95	3318320
71-43-2	Benzene	31	TRG	8.314	6.46	6.49	78.00	7649214
56-23-5	Carbon tetrachloride	32	TRG	8.656	5.98	6.01	116.90	1664028
79-01-6	Trichloroethene	36	TRG	5.651	7.14	7.17	130.00	2593912
108-88-3	Toluene	42	TRG	7.343	8.89	8.92	91.00	7517477
106-93-4	1,2-Dibromoethane	47	TRG	5.200	10.15	10.15	107.00	3985008
127-18-4	Tetrachloroethene	48	TRG	5.067	9.39	9.41	166.00	3110503
100-41-4	Ethylbenzene	51	TRG	7.624	10.92	10.94	91.00	10310993
1330-20-7	m,p-Xylenes	52	TRG	6.964	11.12	11.15	91.00	7577176
95-47-6	o-Xylene	55	TRG	7.489	11.72	11.76	91.00	8948847
108-67-8	1,3,5-Trimethylbenzene	58	TRG	9.348	13.10	13.12	105.00	14106435
95-63-6	1,2,4-Trimethylbenzene	59	TRG	15.385	13.67	13.71	105.00	15611913
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**4044257**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.18	7.20	114.00	**6295504**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**6687442**
2037-26-5	Toluene-d8	41	SURR	2.663	8.83	8.85	98.00	**3582979**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08116A	QC08116A	
File Name:	QC08116B.D	QC08116A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	081126-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	11.35	11.35	11.35	110	110		0.20	**10.28**	10.28	70	130	8
1,1-Dichloroethene	11.33	11.33	11.33	110	110		0.20	**10.34**	10.34	70	130	1
Dichloromethane	12.05	12.05	12.05	110	110		0.20	**11.00**	11.00	70	130	2
1,1-Dichloroethane	7.44	7.44	7.44	108	108		0.20	**6.88**	6.88	70	130	10
Chloroform	7.23	7.23	7.23	112	112		0.20	**6.46**	6.46	70	130	1
1,1,1-Trichloroethane	3.27	3.27	3.27	107	107		0.20	**3.04**	3.04	70	130	4
1,2-Dichloroethane	8.88	8.88	8.88	114	114		0.20	**7.81**	7.81	70	130	1
Benzene	8.86	8.86	8.86	102	102		0.20	**8.70**	8.70	70	130	6
Carbon tetrachloride	9.17	9.17	9.17	105	105		0.20	**8.75**	8.75	70	130	6
Trichloroethene	5.81	5.81	5.81	98	98		0.20	**5.94**	5.94	70	130	3
Toluene	7.56	7.56	7.56	105	105		0.20	**7.20**	7.20	70	130	3
1,2-Dibromoethane	6.13	6.13	6.13	111	111		0.20	**5.53**	5.53	70	130	16
Tetrachloroethene	5.32	5.32	5.32	92	92		0.20	**5.81**	5.81	70	130	5
Ethylbenzene	9.04	9.04	9.04	108	108		0.20	**8.39**	8.39	70	130	17
m,p-Xylenes	8.28	8.28	8.28	106	106		0.20	**7.78**	7.78	70	130	17
o-Xylene	8.93	8.93	8.93	105	105		0.20	**8.50**	8.50	70	130	17
1,3,5-Trimethylbenzene	10.32	10.32	10.32	104	104		0.20	**9.96**	9.96	70	130	10
1,2,4-Trimethylbenzene	16.11	16.11	16.11	99	99		0.20	**16.24**	16.24	70	130	5
Toluene-d8	2.59	2.59	2.59	104	104				2.50	70	130	
Vinyl chloride	10.47	10.47	10.47	102	102		0.20	**10.28**	10.28	70	130	
1,1-Dichloroethene	11.24	11.24	11.24	109	109		0.20	**10.34**	10.34	70	130	
Dichloromethane	11.76	11.76	11.76	107	107		0.20	**11.00**	11.00	70	130	
1,1-Dichloroethane	8.20	8.20	8.20	119	119		0.20	**6.88**	6.88	70	130	
Chloroform	7.17	7.17	7.17	111	111		0.20	**6.46**	6.46	70	130	
1,1,1-Trichloroethane	3.13	3.13	3.13	103	103		0.20	**3.04**	3.04	70	130	
1,2-Dichloroethane	8.80	8.80	8.80	113	113		0.20	**7.81**	7.81	70	130	
Benzene	8.31	8.31	8.31	96	96		0.20	**8.70**	8.70	70	130	
Carbon tetrachloride	8.66	8.66	8.66	99	99		0.20	**8.75**	8.75	70	130	
Trichloroethene	5.65	5.65	5.65	95	95		0.20	**5.94**	5.94	70	130	
Toluene	7.34	7.34	7.34	102	102		0.20	**7.20**	7.20	70	130	
1,2-Dibromoethane	5.20	5.20	5.20	94	94		0.20	**5.53**	5.53	70	130	
Tetrachloroethene	5.07	5.07	5.07	87	87		0.20	**5.81**	5.81	70	130	
Ethylbenzene	7.62	7.62	7.62	91	91		0.20	**8.39**	8.39	70	130	
m,p-Xylenes	6.96	6.96	6.96	90	90		0.20	**7.78**	7.78	70	130	

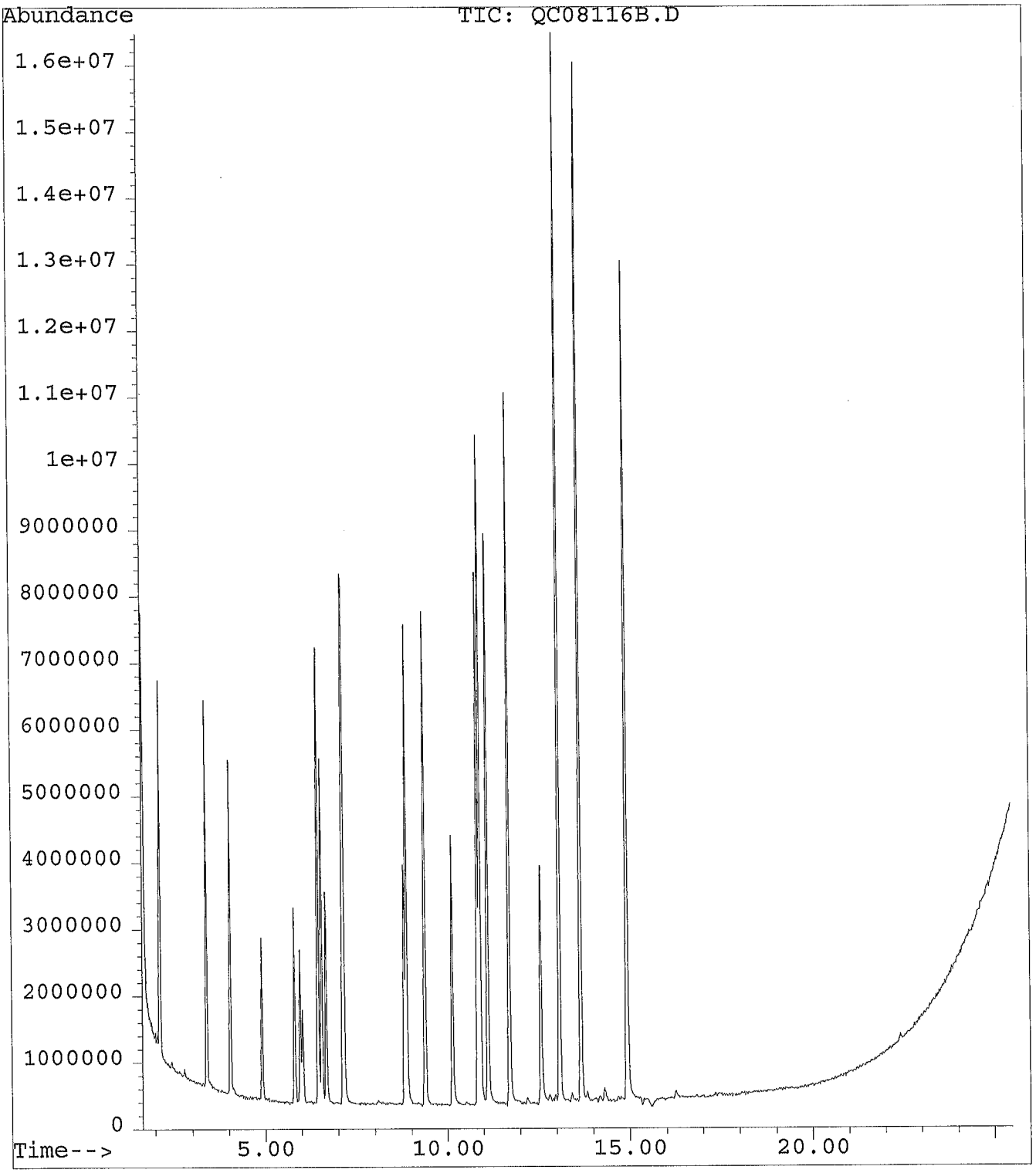
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	7.49	7.49	7.49	88	88		0.20	**8.50**	8.50	70	130	
1,3,5-Trimethylbenzene	9.35	9.35	9.35	94	94		0.20	**9.96**	9.96	70	130	
1,2,4-Trimethylbenzene	15.38	15.38	15.38	95	95		0.20	**16.24**	16.24	70	130	
Toluene-d8	2.66	2.59	2.59	107	107				2.50	70	130	

IXED

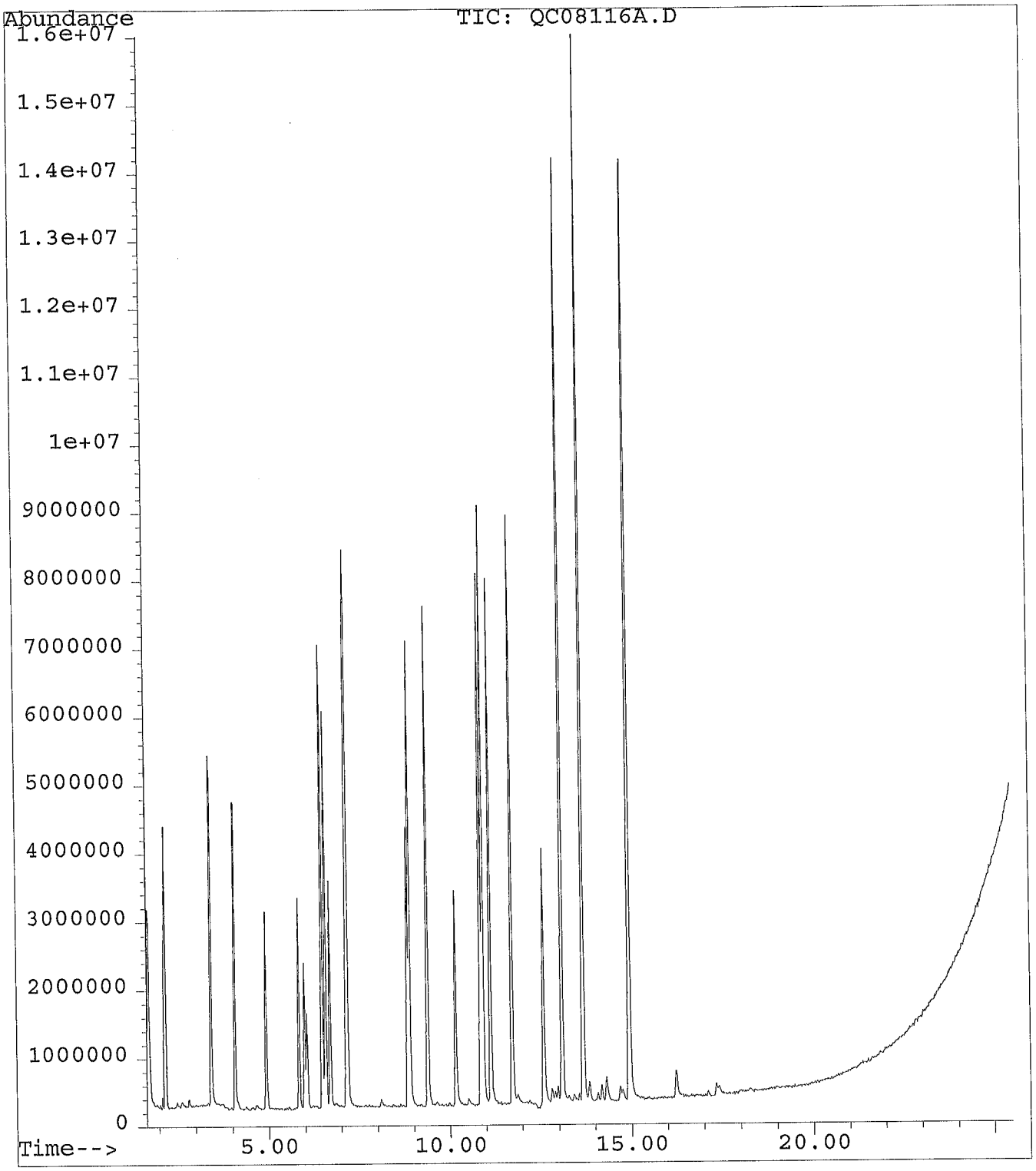
RPD %	imi	Flag
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1	25	
2	25	
10	25	
1	25	
4	25	
1	25	
6	25	
6	25	
3	25	
3	25	
16	25	
5	25	
17	25	
17	25	
17	25	
10	25	
5	25	

RPD imi Flag %

File : C:\MSCHEM\1\DATA\08116B_3\QC08116B.D
Operator : KL
Acquired : 11 Aug 126 9:04 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08116B_3\QC08116A.D
Operator : KL
Acquired : 11 Aug 126 8:27 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081226-MB1
Date: 8/12/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	115		112		70	130	3	25	
75-35-4	1,1-Dichloroethene	122		111		70	130	10	25	
75-09-2	Dichloromethane	114		109		70	130	4	25	
75-34-3	1,1-Dichloroethane	115		112		70	130	3	25	
67-66-3	Chloroform	112		106		70	130	6	25	
71-55-6	1,1,1-Trichloroethane	111		105		70	130	6	25	
107-06-2	1,2-Dichloroethane	123		107		70	130	14	25	
71-43-2	Benzene	106		97		70	130	9	25	
56-23-5	Carbon tetrachloride	107		103		70	130	4	25	
79-01-6	Trichloroethene	100		92		70	130	8	25	
108-88-3	Toluene	108		97		70	130	11	25	
106-93-4	1,2-Dibromoethane	123		102		70	130	18	25	
127-18-4	Tetrachloroethene	91		83		70	130	10	25	
100-41-4	Ethylbenzene	105		95		70	130	10	25	
1330-20-7	m,p-Xylenes	106		97		70	130	9	25	
95-47-6	o-Xylene	103		97		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	108		123		70	130	13	25	
95-63-6	1,2,4-Trimethylbenzene	113		130		70	130	14	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08126A**	
File Name:	QC08126B.D					**Date Sampled:**		**Time:**
Sample ID:	ST62068					**Date Received:**		**Time:**
Method:	**TO15**					**Date Analyzed:**	**8/12/26**	**Time:** **9:04**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	12 Aug 126 9:04 am	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**081226-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.844	2.15	2.15	62.00	3308300
75-35-4	1,1-Dichloroethene	13	TRG	12.657	3.41	3.43	61.00	4862773
75-09-2	Dichloromethane	15	TRG	12.590	4.08	4.08	84.00	2197428
75-34-3	1,1-Dichloroethane	19	TRG	7.912	4.93	4.94	63.00	3277805
67-66-3	Chloroform	26	TRG	7.2525	5.83	5.80	83.00	2652711
71-55-6	1,1,1-Trichloroethane	28	TRG	3.390	6.05	6.08	97.00	1089056
107-06-2	1,2-Dichloroethane	29	TRG	9.619	6.68	6.71	61.95	3450150
71-43-2	Benzene	31	TRG	9.247	6.48	6.49	78.00	8014281
56-23-5	Carbon tetrachloride	32	TRG	9.372	5.98	6.01	116.90	1772366
79-01-6	Trichloroethene	36	TRG	5.935	7.14	7.17	130.00	2575341
108-88-3	Toluene	42	TRG	7.790	8.89	8.92	91.00	7505435
106-93-4	1,2-Dibromoethane	47	TRG	6.777	10.15	10.15	107.00	4883592
127-18-4	Tetrachloroethene	48	TRG	5.303	9.39	9.41	166.00	3074768
100-41-4	Ethylbenzene	51	TRG	8.829	10.92	10.94	91.00	11355629
1330-20-7	m,p-Xylenes	52	TRG	8.235	11.12	11.15	91.00	8521382
95-47-6	o-Xylene	55	TRG	8.789	11.71	11.76	91.00	9987866
108-67-8	1,3,5-Trimethylbenzene	58	TRG	10.771	13.09	13.12	105.00	15457842
95-63-6	1,2,4-Trimethylbenzene	59	TRG	18.330	13.67	13.71	105.00	17543511
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**3699844**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.17	7.20	114.00	**5919803**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**6359830**
2037-26-5	Toluene-d8	41	SURR	2.689	8.82	8.85	98.00	**3402722**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

							SDG:	LABQC	
							EAS ID:	QC08126A	
File Name:	QC08126A.D						**Date Sampled:**		**Time:**
Sample ID:	ST62068						**Date Received:**		**Time:**
Method:	**TO15**						**Date Analyzed:**	8/12/26	**Time:** 8:24
MiscInfo-Vol:		MDL FAC:	**1**				**Can Factor:**	1.00	
Date:	12 Aug 126 8:24 am	SF:	**2**				**Volume:**	1.00	
Run Method:	B1563_C.M	SamType:	**LCS**				**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3		**QCbatch:**	081226-MB1	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**				**Matrix:**	AA	
Instrument:	5970 - MS	Instrument ID:	**MB1**						
Analyst:	KL	Multiplier:	1.00						
		Type:	**TRG**						

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.481	2.15	2.15	62.00	3209651
75-35-4	1,1-Dichloroethene	13	TRG	11.463	3.43	3.43	61.00	4253167
75-09-2	Dichloromethane	15	TRG	12.037	4.08	4.08	84.00	2130632
75-34-3	1,1-Dichloroethane	19	TRG	7.668	4.93	4.94	63.00	3206568
67-66-3	Chloroform	26	TRG	6.83722101	5.85	5.80	83.00	2506916
71-55-6	1,1,1-Trichloroethane	28	TRG	3.180	6.07	6.08	97.00	1018910
107-06-2	1,2-Dichloroethane	29	TRG	8.353	6.70	6.71	61.95	3008197
71-43-2	Benzene	31	TRG	8.431	6.48	6.49	78.00	7457243
56-23-5	Carbon tetrachloride	32	TRG	8.989	6.00	6.01	116.90	1696005
79-01-6	Trichloroethene	36	TRG	5.475	7.16	7.17	130.00	2407145
108-88-3	Toluene	42	TRG	6.966	8.89	8.92	91.00	6847682
106-93-4	1,2-Dibromoethane	47	TRG	5.661	10.15	10.15	107.00	4169938
127-18-4	Tetrachloroethene	48	TRG	4.793	9.39	9.41	166.00	2811532
100-41-4	Ethylbenzene	51	TRG	7.987	10.92	10.94	91.00	10196118
1330-20-7	m,p-Xylenes	52	TRG	7.533	11.12	11.15	91.00	7736969
95-47-6	o-Xylene	55	TRG	8.269	11.72	11.76	91.00	9327210
108-67-8	1,3,5-Trimethylbenzene	58	TRG	12.250	13.09	13.12	105.00	17447970
95-63-6	1,2,4-Trimethylbenzene	59	TRG	21.034	13.67	13.71	105.00	19870126
363-72-4	Pentafluorobenzene	1	IS	5.000	6.58	6.59	168.00	**3752237**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.19	7.20	114.00	**6050408**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.85	10.88	117.00	**6312287**
2037-26-5	Toluene-d8	41	SURR	2.619	8.82	8.85	98.00	**3386507**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08126A	QC08126A	
File Name:	QC08126B.D	QC08126A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	081226-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	11.84	11.84	11.84	115	115		0.20	**10.28**	10.28	70	130	3
1,1-Dichloroethene	12.66	12.66	12.66	122	122		0.20	**10.34**	10.34	70	130	10
Dichloromethane	12.59	12.59	12.59	114	114		0.20	**11.00**	11.00	70	130	4
1,1-Dichloroethane	7.91	7.91	7.91	115	115		0.20	**6.88**	6.88	70	130	3
Chloroform	7.25	7.25	7.25	112	112		0.20	**6.46**	6.46	70	130	6
1,1,1-Trichloroethane	3.39	3.39	3.39	111	111		0.20	**3.04**	3.04	70	130	6
1,2-Dichloroethane	9.62	9.62	9.62	123	123		0.20	**7.81**	7.81	70	130	14
Benzene	9.25	9.25	9.25	106	106		0.20	**8.70**	8.70	70	130	9
Carbon tetrachloride	9.37	9.37	9.37	107	107		0.20	**8.75**	8.75	70	130	4
Trichloroethene	5.94	5.94	5.94	100	100		0.20	**5.94**	5.94	70	130	8
Toluene	7.79	7.79	7.79	108	108		0.20	**7.20**	7.20	70	130	11
1,2-Dibromoethane	6.78	6.78	6.78	123	123		0.20	**5.53**	5.53	70	130	18
Tetrachloroethene	5.30	5.30	5.30	91	91		0.20	**5.81**	5.81	70	130	10
Ethylbenzene	8.83	8.83	8.83	105	105		0.20	**8.39**	8.39	70	130	10
m,p-Xylenes	8.23	8.23	8.23	106	106		0.20	**7.78**	7.78	70	130	9
o-Xylene	8.79	8.79	8.79	103	103		0.20	**8.50**	8.50	70	130	6
1,3,5-Trimethylbenzene	10.77	10.77	10.77	108	108		0.20	**9.96**	9.96	70	130	13
1,2,4-Trimethylbenzene	18.33	18.33	18.33	113	113		0.20	**16.24**	16.24	70	130	14
Toluene-d8	2.69	2.69	2.69	108	108				2.50	70	130	
Vinyl chloride	11.48	11.48	11.48	112	112		0.20	**10.28**	10.28	70	130	
1,1-Dichloroethene	11.46	11.46	11.46	111	111		0.20	**10.34**	10.34	70	130	
Dichloromethane	12.04	12.04	12.04	109	109		0.20	**11.00**	11.00	70	130	
1,1-Dichloroethane	7.67	7.67	7.67	112	112		0.20	**6.88**	6.88	70	130	
Chloroform	6.84	6.84	6.84	106	106		0.20	**6.46**	6.46	70	130	
1,1,1-Trichloroethane	3.18	3.18	3.18	105	105		0.20	**3.04**	3.04	70	130	
1,2-Dichloroethane	8.35	8.35	8.35	107	107		0.20	**7.81**	7.81	70	130	
Benzene	8.43	8.43	8.43	97	97		0.20	**8.70**	8.70	70	130	
Carbon tetrachloride	8.99	8.99	8.99	103	103		0.20	**8.75**	8.75	70	130	
Trichloroethene	5.48	5.48	5.48	92	92		0.20	**5.94**	5.94	70	130	
Toluene	6.97	6.97	6.97	97	97		0.20	**7.20**	7.20	70	130	
1,2-Dibromoethane	5.66	5.66	5.66	102	102		0.20	**5.53**	5.53	70	130	
Tetrachloroethene	4.79	4.79	4.79	83	83		0.20	**5.81**	5.81	70	130	
Ethylbenzene	7.99	7.99	7.99	95	95		0.20	**8.39**	8.39	70	130	
m,p-Xylenes	7.53	7.53	7.53	97	97		0.20	**7.78**	7.78	70	130	

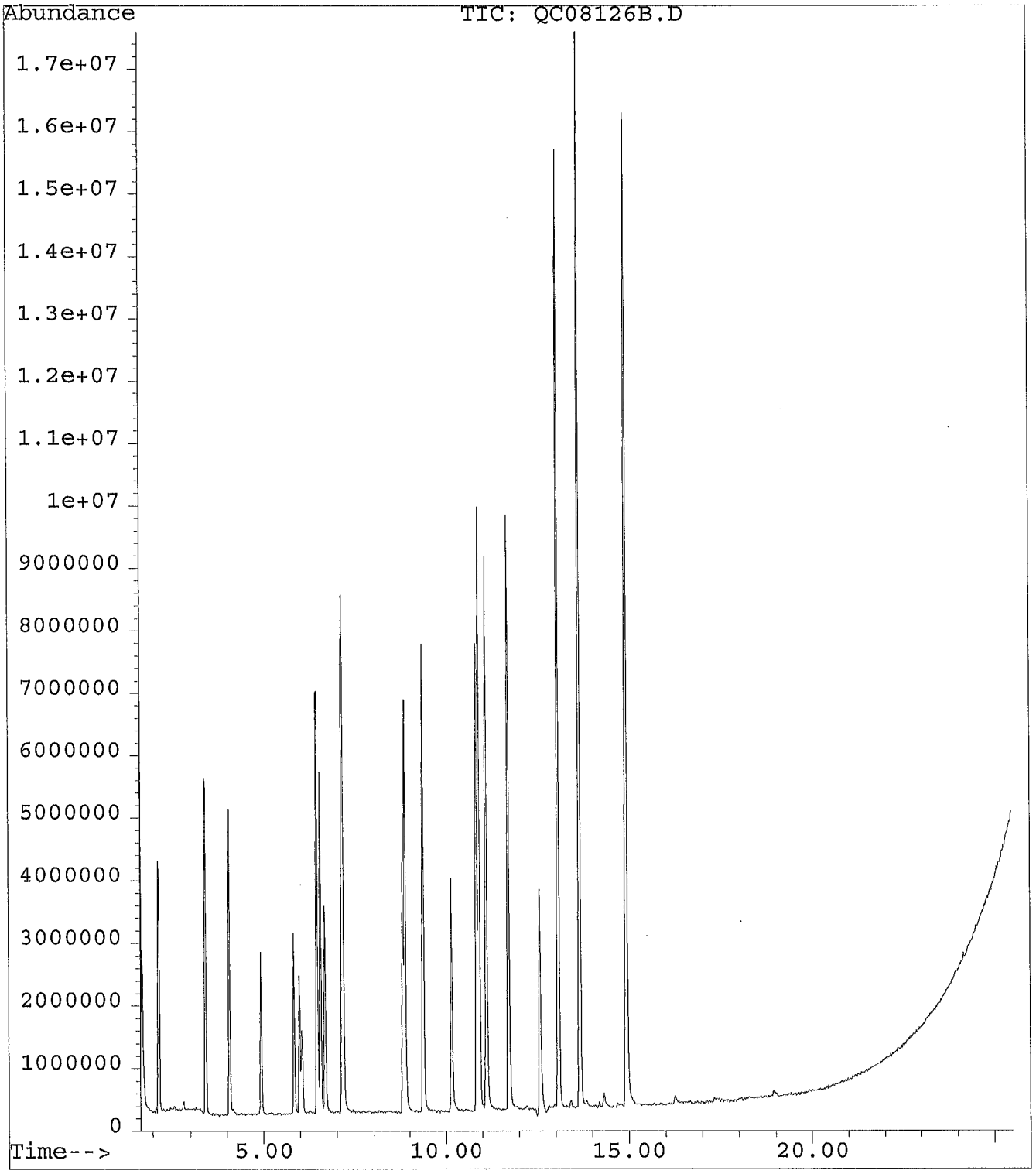
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	8.27	8.27	8.27	97	97		0.20	**8.50**	8.50	70	130	
1,3,5-Trimethylbenzene	12.25	12.25	12.25	123	123		0.20	**9.96**	9.96	70	130	
1,2,4-Trimethylbenzene	21.03	21.03	21.03	130	130		0.20	**16.24**	16.24	70	130	
Toluene-d8	2.62	2.69	2.69	105	105				2.50	70	130	

IXED

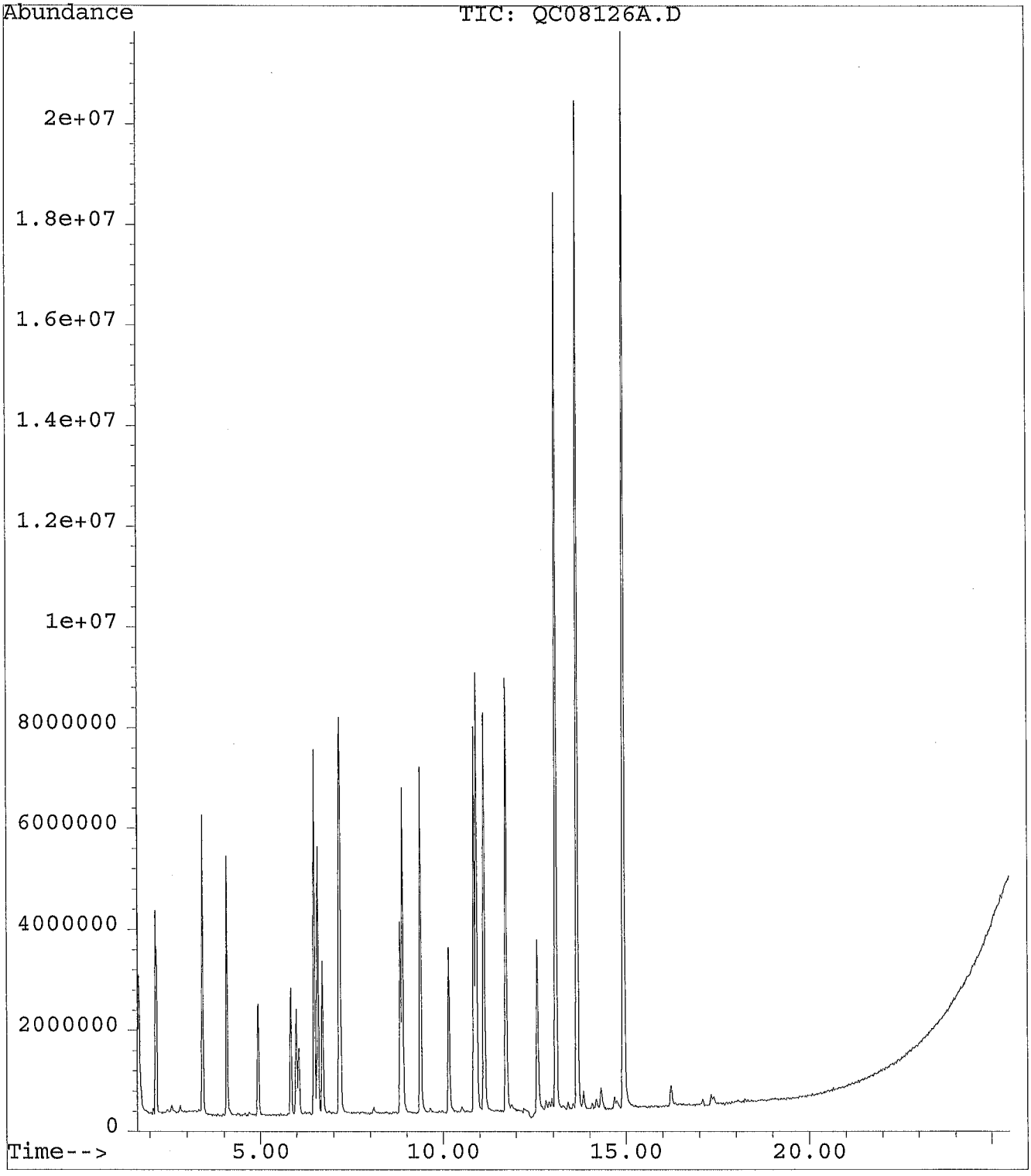
RPD %	imi	Flag
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10	25	
4	25	
3	25	
6	25	
6	25	
14	25	
9	25	
4	25	
8	25	
11	25	
18	25	
10	25	
10	25	
9	25	
6	25	
13	25	
14	25	

RPD imi Flag %

File : C:\MSCHEM\1\DATA\08126B_3\QC08126B.D
Operator : KL
Acquired : 12 Aug 126 9:04 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08126B_3\QC08126A.D
Operator : KL
Acquired : 12 Aug 126 8:24 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Spike Duplicate Report

TO15 **Volatile Organic Compounds by GC/MS**

QC_Batch: 081426-MB1
Date: 8/14/26

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
75-01-4	Vinyl chloride	112		110		70	130	2	25	
75-35-4	1,1-Dichloroethene	116		113		70	130	3	25	
75-09-2	Dichloromethane	104		99		70	130	5	25	
75-34-3	1,1-Dichloroethane	106		102		70	130	3	25	
67-66-3	Chloroform	99		87		70	130	12	25	
71-55-6	1,1,1-Trichloroethane	101		91		70	130	10	25	
107-06-2	1,2-Dichloroethane	105		94		70	130	11	25	
71-43-2	Benzene	102		95		70	130	7	25	
56-23-5	Carbon tetrachloride	95		91		70	130	5	25	
79-01-6	Trichloroethene	93		89		70	130	4	25	
108-88-3	Toluene	97		93		70	130	4	25	
106-93-4	1,2-Dibromoethane	96		84		70	130	13	25	
127-18-4	Tetrachloroethene	84		77		70	130	9	25	
100-41-4	Ethylbenzene	85		80		70	130	6	25	
1330-20-7	m,p-Xylenes	82		78		70	130	5	25	
95-47-6	o-Xylene	81		79		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	73		88		70	130	19	25	
95-63-6	1,2,4-Trimethylbenzene	74		95		70	130	24	25	

LCS - Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicated out of Limits

QUANTITATION REPORT LCS

EPA Method TO-15 Modified Full Scan GC/MS

					SDG:	LABQC	
					EAS ID:	QC08146A	
File Name:	QC08146B.D				**Date Sampled:**		**Time:**
Sample ID:	ST62068				**Date Received:**		**Time:**
Method:	**TO15**				**Date Analyzed:**	8/14/26	**Time:** 9:36
MiscInfo-Vol:		MDL FAC:	**1**		**Can Factor:**	1.00	
Date:	14 Aug 126 9:36 am	SF:	**2**		**Volume:**	1.00	
Run Method:	B1563_C.M	SamType:	**LCS**		**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV UG/M3	**QCbatch:**	081426-MB1	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**		**Matrix:**	AA	
Instrument:	5970 - MS	Instrument ID:	**MB1**				
Analyst:	KL	Multiplier:	1.00				
		Type:	**TRG**				

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.537	2.13	2.15	62.00	2986262
75-35-4	1,1-Dichloroethene	13	TRG	12.020	3.41	3.43	61.00	4216682
75-09-2	Dichloromethane	15	TRG	11.486	4.06	4.08	84.00	1878674
75-34-3	1,1-Dichloroethane	19	TRG	7.278	4.91	4.94	63.00	2789407
67-66-3	Chloroform	26	TRG	6.3846	5.81	5.80	83.00	2131766
71-55-6	1,1,1-Trichloroethane	28	TRG	3.080	6.03	6.08	97.00	893143
107-06-2	1,2-Dichloroethane	29	TRG	8.226	6.66	6.71	61.95	2710061
71-43-2	Benzene	31	TRG	8.880	6.46	6.49	78.00	7206506
56-23-5	Carbon tetrachloride	32	TRG	8.327	5.97	6.01	116.90	1380882
79-01-6	Trichloroethene	36	TRG	5.500	7.14	7.17	130.00	2217936
108-88-3	Toluene	42	TRG	6.978	8.88	8.92	91.00	6289231
106-93-4	1,2-Dibromoethane	47	TRG	5.301	10.13	10.13	107.00	3579323
127-18-4	Tetrachloroethene	48	TRG	4.881	9.37	9.41	166.00	2629972
100-41-4	Ethylbenzene	51	TRG	7.140	10.90	10.94	91.00	8272337
1330-20-7	m,p-Xylenes	52	TRG	6.390	11.10	11.15	91.00	5957253
95-47-6	o-Xylene	55	TRG	6.873	11.70	11.76	91.00	7036349
108-67-8	1,3,5-Trimethylbenzene	58	TRG	7.297	13.08	13.12	105.00	9433362
95-63-6	1,2,4-Trimethylbenzene	59	TRG	12.045	13.66	13.71	105.00	10620272
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**3467146**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.16	7.20	114.00	**5546846**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.83	10.88	117.00	**5729315**
2037-26-5	Toluene-d8	41	SURR	2.646	8.81	8.85	98.00	**3136715**

QUANTITATION REPORT LCD

EPA Method TO-15 Modified Full Scan GC/MS

						SDG:	**LABQC**	
						EAS ID:	**QC08146A**	
File Name:	QC08146A.D					**Date Sampled:**	**Time:**	
Sample ID:	ST62068					**Date Received:**	**Time:**	
Method:	**TO15**					**Date Analyzed:**	**8/14/26**	**Time:** **9:00**
MiscInfo-Vol:		MDL FAC:	**1**			**Can Factor:**	**1.00**	
Date:	14 Aug 126 9:00 am	SF:	**2**			**Volume:**	**1.00**	
Run Method:	B1563_C.M	SamType:	**LCS**			**Can (Vial) No:**		
Quant Method:	B1563_C.M	UnitDil:	**1000**	PPBV	UG/M3	**QCbatch:**	**081426-MB1**	
Cal Update:	Mon Aug 03 12:54:44 2026	Temp:	**25.0**			**Matrix:**	**AA**	
Instrument:	5970 - MS	Instrument ID:	**MB1**					
Analyst:	KL	Multiplier:	1.00					
		Type:	**TRG**					

CAS#	Compound	n	Type	Raw Amount	RT	Target RT	Ion	Sample Area
75-01-4	Vinyl chloride	5	TRG	11.325	2.14	2.15	62.00	3146889
75-35-4	1,1-Dichloroethene	13	TRG	11.659	3.41	3.43	61.00	4359273
75-09-2	Dichloromethane	15	TRG	10.934	4.06	4.08	84.00	1934618
75-34-3	1,1-Dichloroethane	19	TRG	7.035	4.91	4.94	63.00	2900432
67-66-3	Chloroform	26	TRG	5.63716277	5.81	5.80	83.00	1976315
71-55-6	1,1,1-Trichloroethane	28	TRG	2.784	6.03	6.08	97.00	819711
107-06-2	1,2-Dichloroethane	29	TRG	7.341	6.68	6.71	61.95	2526486
71-43-2	Benzene	31	TRG	8.301	6.46	6.49	78.00	7148883
56-23-5	Carbon tetrachloride	32	TRG	7.955	5.98	6.01	116.90	1368265
79-01-6	Trichloroethene	36	TRG	5.283	7.14	7.17	130.00	2252966
108-88-3	Toluene	42	TRG	6.682	8.88	8.92	91.00	6392568
106-93-4	1,2-Dibromoethane	47	TRG	4.644	10.14	10.14	107.00	3331539
127-18-4	Tetrachloroethene	48	TRG	4.480	9.37	9.41	166.00	2539781
100-41-4	Ethylbenzene	51	TRG	6.714	10.90	10.94	91.00	8245042
1330-20-7	m,p-Xylenes	52	TRG	6.105	11.11	11.15	91.00	6031975
95-47-6	o-Xylene	55	TRG	6.755	11.70	11.76	91.00	7329871
108-67-8	1,3,5-Trimethylbenzene	58	TRG	8.814	13.08	13.12	105.00	12077776
95-63-6	1,2,4-Trimethylbenzene	59	TRG	15.364	13.66	13.71	105.00	14157994
363-72-4	Pentafluorobenzene	1	IS	5.000	6.56	6.59	168.00	**3750833**
108-88-3	1,4-Difluorobenzene	27	IS	5.000	7.16	7.20	114.00	**5892667**
3114-55-4	Chlorobenzene-d5	49	IS	5.000	10.83	10.88	117.00	**6072414**
2037-26-5	Toluene-d8	41	SURR	2.588	8.81	8.85	98.00	**3259249**

QC CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

	LCS	LCD	
EAS ID:	QC08146A	QC08146A	
File Name:	QC08146B.D	QC08146A.D	
Sample ID	ST62068	ST62068	Can Factor: 1.00
QC Batch:	081426-MB1		
Air Volume:	1.0 ml		
Base Volume	1000 ml		
Combined Factor:	1,000.00		
Gas Constant:	23.8		
Unit Factor (ppbv):	1000 PPBV	UG/M3	
Sig Figs:	2	Fixed (1) FIXED	Fixed

Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
Vinyl chloride	11.54	11.54	11.54	112	112		0.20	**10.28**	10.28	70	130	2
1,1-Dichloroethene	12.02	12.02	12.02	116	116		0.20	**10.34**	10.34	70	130	3
Dichloromethane	11.49	11.49	11.49	104	104		0.20	**11.00**	11.00	70	130	5
1,1-Dichloroethane	7.28	7.28	7.28	106	106		0.20	**6.88**	6.88	70	130	3
Chloroform	6.38	6.38	6.38	99	99		0.20	**6.46**	6.46	70	130	12
1,1,1-Trichloroethane	3.08	3.08	3.08	101	101		0.20	**3.04**	3.04	70	130	10
1,2-Dichloroethane	8.23	8.23	8.23	105	105		0.20	**7.81**	7.81	70	130	11
Benzene	8.88	8.88	8.88	102	102		0.20	**8.70**	8.70	70	130	7
Carbon tetrachloride	8.33	8.33	8.33	95	95		0.20	**8.75**	8.75	70	130	5
Trichloroethene	5.50	5.50	5.50	93	93		0.20	**5.94**	5.94	70	130	4
Toluene	6.98	6.98	6.98	97	97		0.20	**7.20**	7.20	70	130	4
1,2-Dibromoethane	5.30	5.30	5.30	96	96		0.20	**5.53**	5.53	70	130	13
Tetrachloroethene	4.88	4.88	4.88	84	84		0.20	**5.81**	5.81	70	130	9
Ethylbenzene	7.14	7.14	7.14	85	85		0.20	**8.39**	8.39	70	130	6
m,p-Xylenes	6.39	6.39	6.39	82	82		0.20	**7.78**	7.78	70	130	5
o-Xylene	6.87	6.87	6.87	81	81		0.20	**8.50**	8.50	70	130	2
1,3,5-Trimethylbenzene	7.30	7.30	7.30	73	73		0.20	**9.96**	9.96	70	130	19
1,2,4-Trimethylbenzene	12.04	12.04	12.04	74	74		0.20	**16.24**	16.24	70	130	24
Toluene-d8	2.65	2.65	2.65	106	106				2.50	70	130	
Vinyl chloride	11.32	11.32	11.32	110	110		0.20	**10.28**	10.28	70	130	
1,1-Dichloroethene	11.66	11.66	11.66	113	113		0.20	**10.34**	10.34	70	130	
Dichloromethane	10.93	10.93	10.93	99	99		0.20	**11.00**	11.00	70	130	
1,1-Dichloroethane	7.04	7.04	7.04	102	102		0.20	**6.88**	6.88	70	130	
Chloroform	5.64	5.64	5.64	87	87		0.20	**6.46**	6.46	70	130	
1,1,1-Trichloroethane	2.78	2.78	2.78	91	91		0.20	**3.04**	3.04	70	130	
1,2-Dichloroethane	7.34	7.34	7.34	94	94		0.20	**7.81**	7.81	70	130	
Benzene	8.30	8.30	8.30	95	95		0.20	**8.70**	8.70	70	130	
Carbon tetrachloride	7.95	7.95	7.95	91	91		0.20	**8.75**	8.75	70	130	
Trichloroethene	5.28	5.28	5.28	89	89		0.20	**5.94**	5.94	70	130	
Toluene	6.68	6.68	6.68	93	93		0.20	**7.20**	7.20	70	130	
1,2-Dibromoethane	4.64	4.64	4.64	84	84		0.20	**5.53**	5.53	70	130	
Tetrachloroethene	4.48	4.48	4.48	77	77		0.20	**5.81**	5.81	70	130	
Ethylbenzene	6.71	6.71	6.71	80	80		0.20	**8.39**	8.39	70	130	
m,p-Xylenes	6.11	6.11	6.11	78	78		0.20	**7.78**	7.78	70	130	

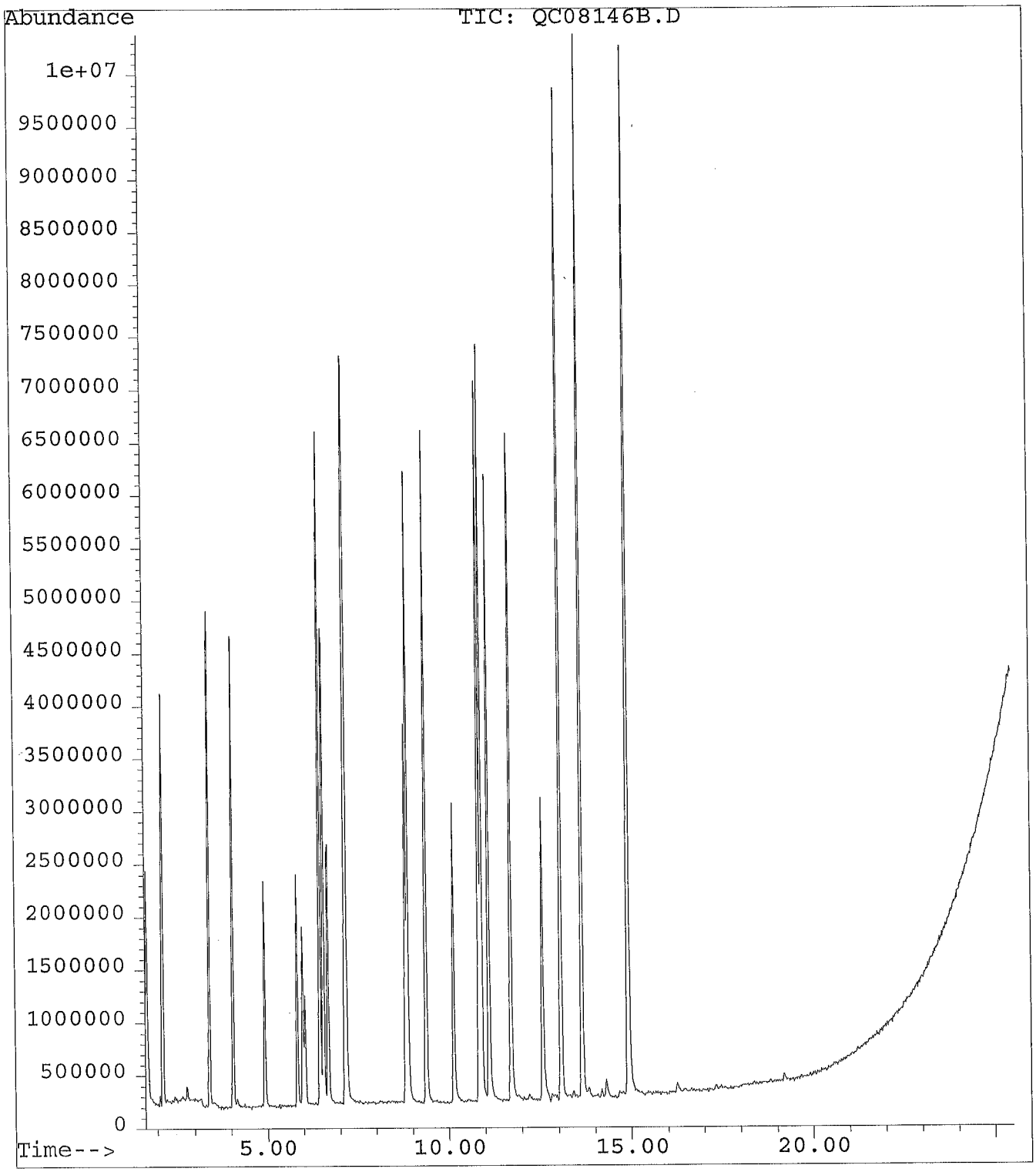
Compound	Raw Amount	PPBV	PPBV	%	%	Flag	MDL PPBV	Spike	Spike PPBV	LCL	UCL	RPD %
o-Xylene	6.76	6.76	6.76	79	79		0.20	**8.50**	8.50	70	130	
1,3,5-Trimethylbenzene	8.81	8.81	8.81	88	88		0.20	**9.96**	9.96	70	130	
1,2,4-Trimethylbenzene	15.36	15.36	15.36	95	95		0.20	**16.24**	16.24	70	130	
Toluene-d8	2.59	2.65	2.65	104	104				2.50	70	130	

IXED

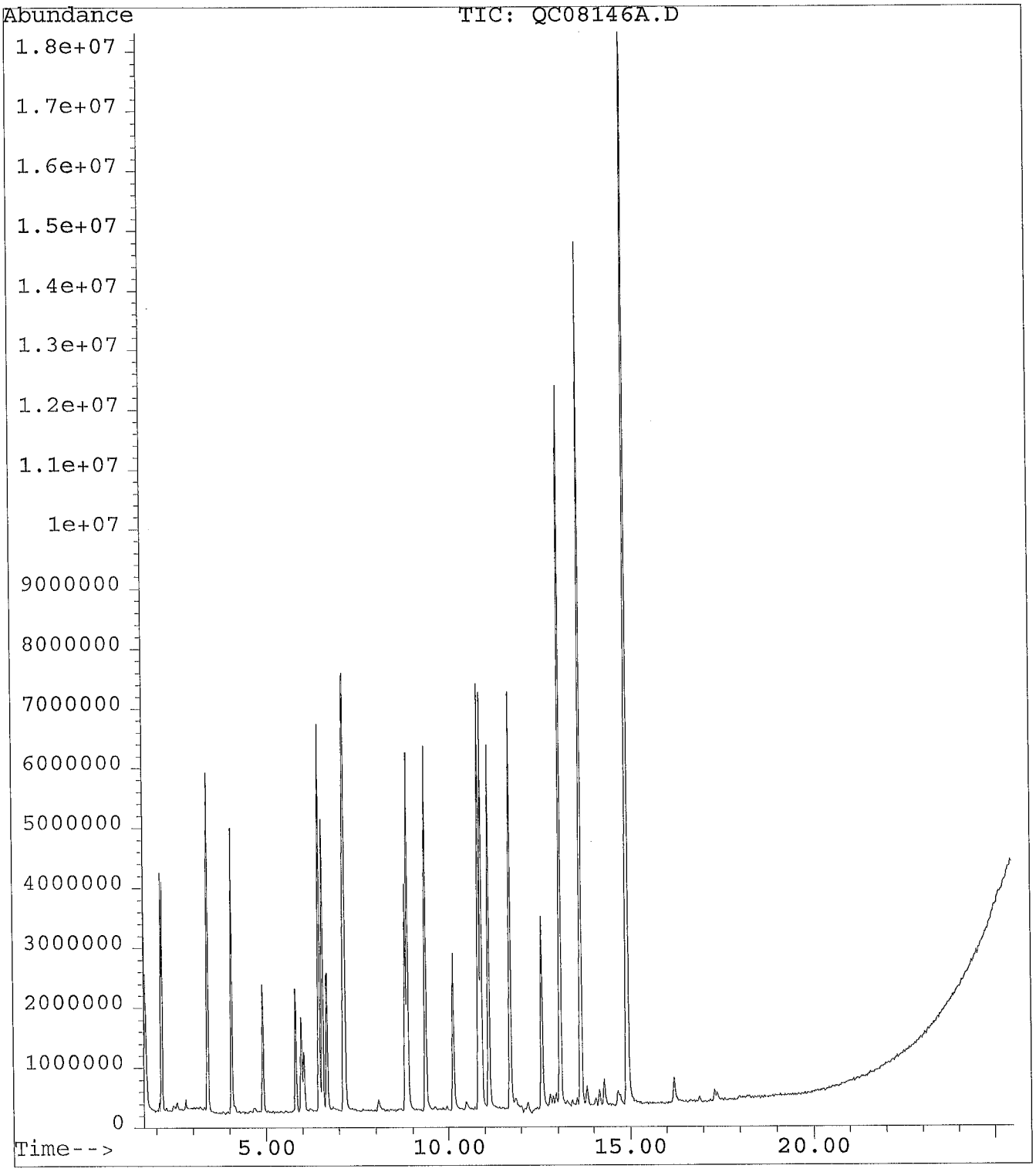
RPD %	imi	Flag
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3	25	
5	25	
3	25	
12	25	
10	25	
11	25	
7	25	
5	25	
4	25	
4	25	
13	25	
9	25	
6	25	
5	25	
2	25	
19	25	
24	25	

RPD imi Flag %

File : C:\MSCHEM\1\DATA\08146B_3\QC08146B.D
Operator : KL
Acquired : 14 Aug 126 9:36 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



File : C:\MSCHEM\1\DATA\08146B_3\QC08146A.D
Operator : KL
Acquired : 14 Aug 126 9:00 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: ST62068
Misc Info :
Vial Number: 1



Continuing Calibration Data Package

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Continuing Calibration QC Batch report for each DAB in this SDG.

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Sample Calculations
Chromatogram

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		**Sample Calculation:**
QC_Batch:	**0080326-MA1**		1) CCRFi = $\frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Alstdi)}$ i
Sample ID:	ST62126		
Sample Analysis Date:	3 Aug 126 7:45 am		
Run Method:	B1563_C.M		CCRFi is the Continuing Calibration RF
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	PFB - Pentafluorobenzene
			14DFB - 1,4-Difluorobenzene
A passing calibration can have (10%) or 10 compounds out			d5CB - d5-Chlorobenzene

Compound	Area Astdi	**Cal Level Cstdi ppbv**	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	**Quant IS**
Propylene	2556808	**4.750**	0.524	0.429	-22.0	**30**	IN	**PFB**
Dichlorodifluoromethane	6729544	**4.750**	1.378	0.986	-39.7	**30**	OUT	**PFB**
Methanol	4242099	**7.870**	0.524	0.397	-32.2	**50**	IN	**PFB**
Chloromethane	4249257	**4.750**	0.870	0.699	-24.5	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	6729544	**4.750**	1.378	1.135	-21.4	**30**	IN	**PFB**
Vinyl chloride	3561270	**4.750**	0.729	0.617	-18.2	**30**	IN	**PFB**
1,3-Butadiene	1943581	**4.750**	0.398	0.326	-22.0	**30**	IN	**PFB**
Bromomethane	2266360	**4.750**	0.464	0.331	-40.4	**30**	OUT	**PFB**
Chloroethane	1244387	**4.750**	0.255	0.204	-24.6	**30**	IN	**PFB**
Ethanol	1852477	**16.040**	0.112	0.098	-14.2	**50**	IN	**PFB**
Acrolein	815839	**6.890**	0.115	0.121	5.0	**30**	IN	**PFB**
Trichlorofluoromethane	3595444	**4.560**	0.767	0.609	-25.9	**30**	IN	**PFB**
Acetone	1354476	**6.380**	0.207	0.202	-2.2	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	7068586	**6.140**	1.120	0.927	-20.7	**50**	IN	**PFB**
t-Butyl alcohol	5064339	**4.560**	1.080	0.895	-20.7	**40**	IN	**PFB**
Methyl iodide	674929	**1.390**	0.472	0.305	-55.0	**30**	OUT	**PFB**
1,1-Dichloroethene	4790446	**4.350**	1.071	0.932	-15.0	**30**	IN	**PFB**
Acrylonitrile	1679100	**5.270**	0.310	0.275	-12.7	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	2294186	**4.200**	0.531	0.449	-18.2	**30**	IN	**PFB**
Allyl chloride	354780	**4.990**	0.069	0.055	-26.7	**40**	IN	**PFB**
Methylene chloride	1741996	**4.580**	0.370	0.302	-22.6	**30**	IN	**PFB**
Carbon disulfide	3629946	**4.810**	0.734	0.627	-17.1	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1805326	**3.740**	0.470	0.392	-19.7	**30**	IN	**PFB**
Methyl tert butyl ether	3317281	**3.820**	0.845	0.836	-1.1	**40**	IN	**PFB**
Propionitrile	2068554	**6.510**	0.309	0.260	-18.9	**40**	IN	**PFB**
1,1-Dichloroethane	4052950	**4.380**	0.900	0.724	-24.3	**30**	IN	**PFB**
Ethyl tert butyl ether	3018280	**3.010**	0.975	0.977	0.1	**40**	IN	**PFB**
Vinyl acetate	532653	**4.560**	0.114	0.110	-3.1	**40**	IN	**PFB**
2-Butanone (MEK)	1135886	**5.280**	0.209	0.190	-10.0	**40**	IN	**PFB**
Diisopropyl ether	763168	**2.700**	0.275	0.258	-6.4	**40**	IN	**PFB**
Hexane	4750782	**3.830**	1.207	1.065	-13.3	**40**	IN	**PFB**
Methacrylonitrile	1185253	**4.980**	0.232	0.226	-2.3	**40**	IN	**PFB**
Ethyl acetate	659901	**4.540**	0.141	0.127	-11.4	**40**	IN	**PFB**
Bromochloromethane	2256314	**2.760**	0.795	0.615	-29.2	**30**	IN	**PFB**

Compound	Area Astdl	Cal Level Cstdl ppbv	CCRRFl	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	1378629	**2.460**	0.545	0.482	-13.1	**40**	IN	**PFB**
Tetrahydrofuran	1068167	**5.380**	0.193	0.188	-3.0	**40**	IN	**PFB**
Isobutyl alcohol	236379	**3.780**	0.061	0.048	-27.8	**40**	IN	**PFB**
cis-1,2-Dichloroethene	2297601	**4.720**	0.474	0.401	-18.0	**30**	IN	**PFB**
2,2-Dichloropropane	2352950	**4.620**	0.495	0.454	-9.1	**30**	IN	**PFB**
Chloroform	3682206	**4.770**	0.751	0.592	-26.9	**30**	IN	**PFB**
1,1,1-Trichloroethane	2686064	**4.210**	0.429	0.348	-23.3	**30**	IN	**14DFB**
1,2-Dichloroethane	2513186	**4.340**	0.389	0.322	-21.0	**30**	IN	**14DFB**
1,1-Dichloropropene	2589729	**3.420**	0.509	0.418	-21.6	**30**	IN	**14DFB**
Cyclohexane	3882619	**3.970**	0.657	0.550	-19.5	**30**	IN	**14DFB**
Benzene	7180597	**4.460**	1.081	0.984	-9.9	**30**	IN	**14DFB**
Carbon tetrachloride	1819365	**4.500**	0.272	0.224	-21.0	**30**	IN	**14DFB**
t-Amyl methyl ether	2833600	**2.300**	0.828	0.764	-8.3	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	8899147	**2.820**	2.120	1.663	-27.4	**30**	IN	**14DFB**
n-Heptane	1790131	**3.140**	0.383	0.306	-25.1	**30**	IN	**14DFB**
1,2-Dichloropropane	2899486	**4.580**	0.425	0.355	-19.8	**30**	IN	**14DFB**
1,4 Dioxane	2961796	**8.760**	0.227	0.212	-7.0	**40**	IN	**14DFB**
Dibromomethane	954543	**1.950**	0.329	0.262	-25.7	**30**	IN	**14DFB**
Trichloroethene (TCE)	2935613	**4.430**	0.445	0.364	-22.3	**30**	IN	**14DFB**
Bromodichloromethane	1555415	**2.080**	0.502	0.410	-22.6	**40**	IN	**14DFB**
Methyl methacrylate	1653668	**3.510**	0.316	0.270	-17.4	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	2395788	**3.920**	0.411	0.326	-25.9	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	3064283	**4.550**	0.452	0.397	-13.9	**30**	IN	**14DFB**
Toluene	7729452	**4.580**	1.134	0.911	-24.4	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	3235589	**4.560**	0.477	0.411	-15.9	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1785395	**4.520**	0.265	0.231	-14.7	**30**	IN	**14DFB**
Ethyl methacrylate	2035899	**2.390**	0.572	0.477	-20.0	**40**	IN	**14DFB**
2-Hexanone	3894205	**3.680**	0.711	0.556	-27.8	**40**	IN	**14DFB**
1,3-Dichloropropane	3119083	**3.410**	0.614	0.576	-6.7	**30**	IN	**14DFB**
Octane	1860285	**2.830**	0.442	0.367	-20.2	**30**	IN	**14DFB**
Dibromochloromethane	1747621	**2.070**	0.567	0.426	-33.2	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	2282069	**2.310**	0.664	0.596	-11.3	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1796665	**2.310**	0.522	0.413	-26.5	**30**	IN	**14DFB**
Chlorobenzene	6960100	**4.330**	0.968	0.888	-9.0	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	1235463	**2.150**	0.346	0.269	-28.8	**30**	IN	**d5CB**
Ethylbenzene	9087601	**4.640**	1.180	0.994	-18.6	**30**	IN	**d5CB**
m,p-Xylenes	8321428	**4.660**	1.075	0.842	-27.8	**30**	IN	**d5CB**
Nonane	4460561	**2.470**	1.088	0.844	-28.8	**30**	IN	**d5CB**
Styrene	5568048	**4.550**	0.737	0.617	-19.4	**30**	IN	**d5CB**
Bromoform	1153376	**1.390**	0.500	0.371	-34.6	**40**	IN	**d5CB**
o-Xylene	8285685	**4.530**	1.102	0.860	-28.1	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	5172324	**2.350**	1.326	1.061	-25.0	**30**	IN	**d5CB**
1,2,3-Trichloropropane	1119690	**2.550**	0.264	0.221	-19.9	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	689733	**2.890**	0.144	0.119	-20.6	**40**	IN	**d5CB**
n-Propylbenzene	9198836	**3.210**	1.726	1.450	-19.0	**30**	IN	**d5CB**
Isopropylbenzene	5786866	**3.240**	1.076	0.859	-25.2	**30**	IN	**d5CB**
4-Ethyltoluene	18468412	**7.770**	1.432	0.958	-49.4	**30**	OUT	**d5CB**
1,3,5-Trimethylbenzene	10520422	**4.540**	1.396	1.029	-35.7	**30**	OUT	**d5CB**
Decane	6974926	**2.630**	1.597	1.258	-27.0	**30**	IN	**d5CB**
tert-butyl benzene	6535261	**2.860**	1.376	1.036	-32.9	**40**	IN	**d5CB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	8958612	**4.460**	1.210	1.056	-14.5	**30**	IN	**d5CB**
i-Butylbenzene	10456523	**2.850**	2.210	1.625	-36.0	**40**	IN	**d5CB**
sec-butylbenzene	10391439	**2.650**	2.362	1.547	-52.7	**40**	OUT	**d5CB**
1,3-Dichlorobenzene	5650414	**3.520**	0.967	0.712	-35.8	**40**	IN	**d5CB**
Isopropyltoluene	8379704	**2.980**	1.694	1.290	-31.2	**40**	IN	**d5CB**
Benzyl chloride	5671205	**3.140**	1.088	0.842	-29.2	**40**	IN	**d5CB**
1,4-Dichlorobenzene	5421945	**3.290**	0.993	0.768	-29.3	**40**	IN	**d5CB**
n-Butylbenzene	9909594	**2.330**	2.561	2.233	-14.7	**40**	IN	**d5CB**
1,2-Dichlorobenzene	5979940	**3.090**	1.166	0.886	-31.5	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	1685028	**2.940**	0.345	0.336	-2.7	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	606065	**1.955**	0.187	0.200	6.7	**50**	IN	**d5CB**
Naphthalene	294091	**0.765**	0.232	0.440	47.4	**50**	IN	**d5CB**
1,2,3-Trichlorobenzene	606065	**2.455**	0.149	0.160	6.9	**50**	IN	**d5CB**
Hexachlorobutadiene	1262550	**1.260**	0.603	0.481	-25.6	**50**	IN	**d5CB**
1,1-Difluoroethane	3672235	**4.750**	0.466	0.344	-35.4	**50**	IN	**d5CB**
Pentafluorobenzene	5140195	**5.000**		0.000				
1,4-Difluorobenzene	7444035	**5.000**		0.000				
Chlorobenzene-d5	8301969	**5.000**		0.000				
Toluene-d8	4099267	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08036**		
File Name:	C08036A.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/3/26**	**Time:**	**7:45**
Anal Date:	3 Aug 126 7:45 am	**SF:**	**2**	**QCbatch:**	**0080326-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.796	1.69	42.00	2556808
75-71-8	Dichlorodifluoromethane	3	TRG	6.093	1.74	85.00	6729544
67-56-1	Methanol	4	TRG	10.405	2.49	31.00	4242099
74-87-3	Chloromethane	5	TRG	4.822	2.03	50.00	4249257
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	8.708	1.91	85.00	6729544
75-01-4	Vinyl chloride	7	TRG	5.616	2.07	62.00	3561270
106-99-0	1,3-Butadiene	8	TRG	5.794	2.17	54.00	1943581
74-83-9	Bromomethane	9	TRG	5.307	2.44	94.00	2266360
75-00-3	Chloroethane	10	TRG	4.655	2.68	64.00	1244387
64-17-5	Ethanol	11	TRG	18.316	3.39	46.00	1852477
107-02-8	Acrolein	12	TRG	6.545	3.75	56.00	815839
75-69-4	Trichlorofluoromethane	13	TRG	5.740	2.78	101.00	3595444
67-64-1	Acetone	14	TRG	6.521	4.13	58.00	1354476
67-63-0	2-propanol (isopropylalcoh	15	TRG	7.414	3.99	45.00	7068586
75-65-0	t-Butyl alcohol	16	TRG	5.502	4.50	59.00	5064339
4227-95-6	Methyl iodide	17	TRG	1.929	3.51	142.00	674929
75-35-4	1,1-Dichloroethene	18	TRG	5.804	3.36	61.00	4790446
107-13-1	Acrylonitrile	19	TRG	5.938	4.96	53.00	1679100
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.965	3.45	151.00	2294186
107-05-1	Allyl chloride	21	TRG	6.321	2.88	76.00	354780
75-09-2	Methylene chloride	22	TRG	5.615	4.03	84.00	1741996
75-15-0	Carbon disulfide	23	TRG	5.630	3.45	76.00	3629946
156-60-5	trans-1,2-Dichloroethene	24	TRG	4.479	4.28	96.00	1805326
1634-04-4	Methyl tert butyl ether	25	TRG	3.862	4.42	73.00	3317281
107-12-0	Propionitrile	26	TRG	7.741	6.49	54.00	2068554
75-34-3	1,1-Dichloroethane	27	TRG	5.445	4.94	63.00	4052950
637-92-3	Ethyl tert butyl ether	28	TRG	3.006	5.22	59.00	3018280
108-05-4	Vinyl acetate	29	TRG	3.560	5.74	43.00	532653
78-93-3	2-Butanone (MEK)	30	TRG	5.811	6.18	72.00	1135886
108-20-3	Diisopropyl ether	31	TRG	2.874	4.81	87.00	763168
110-54-3	Hexane	32	TRG	4.339	4.33	57.00	4750782
126-98-7	Methacrylonitrile	33	TRG	5.094	6.51	67.00	1185253
141-78-6	Ethyl acetate	34	TRG	5.059	6.71	61.00	659901
74-97-5	Bromochloromethane	35	TRG	3.567	5.76	49.00	2256314

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.782	5.98	55.00	1378629
109-99-9	Tetrahydrofuran	37	TRG	5.539	6.18	72.00	1068167
78-83-1	Isobutyl alcohol	38	TRG	4.830	6.76	74.00	236379
156-59-2	cis-1,2-Dichloroethene	39	TRG	5.567	5.54	96.00	2297601
594-20-7	2,2-Dichloropropane	40	TRG	5.040	5.64	77.00	2352950
67-66-3	Chloroform	41	TRG	6.052	5.83	83.00	**3682206**
71-55-6	1,1,1-Trichloroethane	43	TRG	5.190	6.08	97.00	2686064
107-06-2	1,2-Dichloroethane	44	TRG	5.250	6.71	61.95	2513186
563-58-6	1,1-Dichloropropene	45	TRG	4.159	6.20	75.00	2589729
110-82-7	Cyclohexane	46	TRG	4.744	5.78	56.00	3882619
71-43-2	Benzene	47	TRG	4.903	6.49	78.00	7180597
56-23-5	Carbon tetrachloride	48	TRG	5.446	6.01	116.90	1819365
994-05-8	t-Amyl methyl ether	49	TRG	2.491	6.63	73.00	2833600
540-84-1	2,2,4-Trimethylpentane	50	TRG	3.593	6.34	57.00	8899147
142-82-5	n-Heptane	51	TRG	3.928	6.49	71.00	1790131
78-87-5	1,2-Dichloropropane	52	TRG	5.485	7.77	63.00	2899486
123-91-1	1,4 Dioxane	53	TRG	9.375	8.09	88.00	2961796
74-95-3	Dibromomethane	54	TRG	2.451	7.65	174.00	954543
79-01-6	Trichloroethene (TCE)	55	TRG	5.417	6.49	130.00	2935613
75-27-4	Bromodichloromethane	56	TRG	2.550	7.85	83.00	1555415
80-62-6	Methyl methacrylate	57	TRG	4.120	8.05	69.00	1653668
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	4.937	9.40	58.00	2395788
10061-01-5	cis-1,3-Dichloropropene	59	TRG	5.182	8.62	75.00	**3064283**
108-88-3	Toluene	61	TRG	5.696	8.92	91.00	7729452
10061-02-6	trans-1,3-Dichloropropene	62	TRG	5.285	9.43	75.00	3235589
79-00-5	1,1,2-Trichloroethane	63	TRG	5.183	9.63	61.00	1785395
97-63-2	Ethyl methacrylate	64	TRG	2.868	9.67	69.00	2035899
591-78-6	2-Hexanone	65	TRG	4.701	10.50	58.00	3894205
142-28-9	1,3-Dichloropropane	66	TRG	3.637	10.00	76.00	3119083
111-65-9	Octane	67	TRG	3.402	8.72	85.00	1860285
124-48-1	Dibromochloromethane	68	TRG	2.758	9.87	129.00	1747621
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	2.572	10.18	107.00	2282069
127-18-4	Tetrachloroethene (PCE)	70	TRG	2.921	9.41	166.00	1796665
108-90-7	Chlorobenzene	72	TRG	5.784	10.91	112.00	6960100
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	2.768	11.00	131.00	1235463
100-41-4	Ethylbenzene	74	TRG	5.505	10.94	106	9087601
1330-20-7	m,p-Xylenes	75	TRG	5.955	11.15	91.00	8321428
111-84-2	Nonane	76	TRG	3.181	10.86	57.00	4460561
100-42-5	Styrene	77	TRG	5.434	11.83	104.00	5568048
75-25-2	Bromoform	78	TRG	1.871	11.86	173.00	1153376
95-47-6	o-Xylene	79	TRG	5.803	11.75	91.00	8285685
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.937	12.92	83.00	5172324
96-18-4	1,2,3-Trichloropropane	81	TRG	3.058	13.12	110.00	1119690
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	2.777	13.21	53.00	689733
103-65-1	n-Propylbenzene	83	TRG	3.820	12.83	91.00	9198836
98-82-8	Isopropylbenzene	84	TRG	4.058	12.24	105.00	5786866
622-96-8	4-Ethyltoluene	85	TRG	11.612	13.00	105.00	18468412
108-67-8	1,3,5-Trimethylbenzene	86	TRG	6.160	13.12	105.00	10520422
124-18-5	Decane	87	TRG	3.340	12.85	57.00	6974926
98-06-6	tert-butyl benzene	88	TRG	3.801	13.61	119.00	6535261

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	5.109	13.71	105.00	8958612
538-93-2	i-Butylbenzene	90	TRG	3.875	13.89	91.00	10456523
135-98-8	sec-butylbenzene	91	TRG	4.046	13.87	105.00	10391439
541-73-1	1,3-Dichlorobenzene	92	TRG	4.780	14.19	146.00	5650414
99-87-6	Isopropyltoluene	93	TRG	3.911	14.10	119.00	8379704
100-44-7	Benzyl chloride	94	TRG	4.055	13.31	91.00	5671205
106-46-7	1,4-Dichlorobenzene	95	TRG	4.253	14.34	146.00	5421945
104-51-8	n-Butylbenzene	96	TRG	2.673	14.76	91.00	9909594
95-50-1	1,2-Dichlorobenzene	97	TRG	4.064	15.01	146.00	5979940
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	3.019	16.27	75.00	1685028
120-82-1	1,2,4-Trichlorobenzene	99	TRG	1.824	17.40	180.00	606065
91-20-3	Naphthalene	100	TRG	0.402	17.95	128.00	294091
87-61-6	1,2,3-Trichlorobenzene	101	TRG	2.286	17.42	180.00	606065
87-68-3	Hexachlorobutadiene	102	TRG	1.582	17.36	225.00	1262550
75-37-6	1,1-Difluoroethane	103	TRG	6.430	1.85	51.00	3672235
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5140195**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7444035**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8301969**
2037-26-5	Toluene-d8	61	SURR	2.446	8.85	98.00	**4099267**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		**Sample Calculation:**
QC_Batch:	**0080426-MA1**		1) CCRFi = $\frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Aistdi)}$ i
Sample ID:	ST62126		
Sample Analysis Date:	4 Aug 126 7:49 am		
Run Method:	B1563_C.M		CCRFi is the Continuing Calibration RF
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	PFB - Pentafluorobenzene
			14DFB - 1,4-Difluorobenzene
A passing calibration can have (10%) or 10 compounds out			d5CB - d5-Chlorobenzene

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Propylene	2621069	**4.750**	0.523	0.429	-22.0	**30**	IN	**PFB**
Dichlorodifluoromethane	7160265	**4.750**	1.430	0.986	-45.0	**30**	OUT	**PFB**
Methanol	3627685	**7.870**	0.437	0.397	-10.2	**50**	IN	**PFB**
Chloromethane	4009016	**4.750**	0.800	0.699	-14.6	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	7138355	**4.750**	1.425	1.135	-25.5	**30**	IN	**PFB**
Vinyl chloride	3534190	**4.750**	0.706	0.617	-14.4	**30**	IN	**PFB**
1,3-Butadiene	1496617	**4.750**	0.299	0.326	8.4	**30**	IN	**PFB**
Bromomethane	2028405	**4.750**	0.405	0.331	-22.5	**30**	IN	**PFB**
Chloroethane	1256685	**4.750**	0.251	0.204	-22.7	**30**	IN	**PFB**
Ethanol	1702584	**16.040**	0.101	0.098	-2.3	**50**	IN	**PFB**
Acrolein	786939	**6.890**	0.108	0.121	10.7	**30**	IN	**PFB**
Trichlorofluoromethane	3337776	**4.560**	0.694	0.609	-13.9	**30**	IN	**PFB**
Acetone	1084155	**6.380**	0.161	0.202	20.2	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	6282031	**6.140**	0.970	0.927	-4.6	**50**	IN	**PFB**
t-Butyl alcohol	4763968	**4.560**	0.991	0.895	-10.7	**40**	IN	**PFB**
Methyl iodide	647792	**1.390**	0.442	0.305	-45.1	**30**	OUT	**PFB**
1,1-Dichloroethene	4556140	**4.350**	0.993	0.932	-6.6	**30**	IN	**PFB**
Acrylonitrile	1514409	**5.270**	0.273	0.275	0.9	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	2197311	**4.200**	0.496	0.449	-10.4	**30**	IN	**PFB**
Allyl chloride	322275	**4.990**	0.061	0.055	-12.2	**40**	IN	**PFB**
Methylene chloride	1478508	**4.580**	0.306	0.302	-1.4	**30**	IN	**PFB**
Carbon disulfide	3132411	**4.810**	0.618	0.627	1.5	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1706965	**3.740**	0.433	0.392	-10.4	**30**	IN	**PFB**
Methyl tert butyl ether	3086658	**3.820**	0.766	0.836	8.3	**40**	IN	**PFB**
Propionitrile	1974784	**6.510**	0.288	0.260	-10.7	**40**	IN	**PFB**
1,1-Dichloroethane	3596405	**4.380**	0.779	0.724	-7.5	**30**	IN	**PFB**
Ethyl tert butyl ether	2779190	**3.010**	0.876	0.977	10.3	**40**	IN	**PFB**
Vinyl acetate	474703	**4.560**	0.099	0.110	10.4	**40**	IN	**PFB**
2-Butanone (MEK)	994983	**5.280**	0.179	0.190	6.0	**40**	IN	**PFB**
Diisopropyl ether	667293	**2.700**	0.234	0.258	9.3	**40**	IN	**PFB**
Hexane	4314542	**3.830**	1.068	1.065	-0.3	**40**	IN	**PFB**
Methacrylonitrile	1142435	**4.980**	0.218	0.226	3.9	**40**	IN	**PFB**
Ethyl acetate	567578	**4.540**	0.119	0.127	6.6	**40**	IN	**PFB**
Bromochloromethane	2014572	**2.760**	0.692	0.615	-12.5	**30**	IN	**PFB**

Compound	Area Astdl	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	1231565	**2.460**	0.475	0.482	1.5	**40**	IN	**PFB**
Tetrahydrofuran	994983	**5.380**	0.175	0.188	6.5	**40**	IN	**PFB**
Isobutyl alcohol	234531	**3.780**	0.059	0.048	-23.6	**40**	IN	**PFB**
cis-1,2-Dichloroethene	2145753	**4.720**	0.431	0.401	-7.4	**30**	IN	**PFB**
2,2-Dichloropropane	2087056	**4.620**	0.428	0.454	5.7	**30**	IN	**PFB**
Chloroform	3459987	**4.770**	0.688	0.592	-16.2	**30**	IN	**PFB**
1,1,1-Trichloroethane	2299896	**4.210**	0.359	0.348	-3.4	**30**	IN	**14DFB**
1,2-Dichloroethane	2493899	**4.340**	0.378	0.322	-17.6	**30**	IN	**14DFB**
1,1-Dichloropropene	2277211	**3.420**	0.438	0.418	-4.7	**30**	IN	**14DFB**
Cyclohexane	3416788	**3.970**	0.566	0.550	-3.0	**30**	IN	**14DFB**
Benzene	6846825	**4.460**	1.010	0.984	-2.7	**30**	IN	**14DFB**
Carbon tetrachloride	1785669	**4.500**	0.261	0.224	-16.3	**30**	IN	**14DFB**
t-Amyl methyl ether	2577094	**2.300**	0.737	0.764	3.5	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	8049115	**2.820**	1.878	1.663	-12.9	**30**	IN	**14DFB**
n-Heptane	1559109	**3.140**	0.327	0.306	-6.7	**30**	IN	**14DFB**
1,2-Dichloropropane	2593152	**4.580**	0.372	0.355	-4.9	**30**	IN	**14DFB**
1,4 Dioxane	2797391	**8.760**	0.210	0.212	1.0	**40**	IN	**14DFB**
Dibromomethane	961510	**1.950**	0.324	0.262	-24.0	**30**	IN	**14DFB**
Trichloroethene (TCE)	2790503	**4.430**	0.414	0.364	-13.8	**30**	IN	**14DFB**
Bromodichloromethane	1429926	**2.080**	0.452	0.410	-10.4	**40**	IN	**14DFB**
Methyl methacrylate	1500136	**3.510**	0.281	0.270	-4.3	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	2176685	**3.920**	0.365	0.326	-12.1	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	2788566	**4.550**	0.403	0.397	-1.5	**30**	IN	**14DFB**
Toluene	6794453	**4.580**	0.976	0.911	-7.1	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	2905380	**4.560**	0.419	0.411	-1.9	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1593403	**4.520**	0.232	0.231	-0.2	**30**	IN	**14DFB**
Ethyl methacrylate	1816913	**2.390**	0.500	0.477	-4.9	**40**	IN	**14DFB**
2-Hexanone	3419171	**3.680**	0.611	0.556	-9.9	**40**	IN	**14DFB**
1,3-Dichloropropane	2957863	**3.410**	0.571	0.576	0.9	**30**	IN	**14DFB**
Octane	1574717	**2.830**	0.366	0.367	0.3	**30**	IN	**14DFB**
Dibromochloromethane	1670133	**2.070**	0.531	0.426	-24.7	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	2156218	**2.310**	0.614	0.596	-3.0	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1702101	**2.310**	0.485	0.413	-17.3	**30**	IN	**14DFB**
Chlorobenzene	6514985	**4.330**	0.856	0.888	3.6	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	1211718	**2.150**	0.321	0.269	-19.2	**30**	IN	**d5CB**
Ethylbenzene	9617835	**4.640**	1.179	0.994	-18.6	**30**	IN	**d5CB**
m,p-Xylenes	8015038	**4.660**	0.978	0.842	-16.2	**30**	IN	**d5CB**
Nonane	3919901	**2.470**	0.903	0.844	-6.9	**30**	IN	**d5CB**
Styrene	5765649	**4.550**	0.721	0.617	-16.8	**30**	IN	**d5CB**
Bromoform	1185592	**1.390**	0.485	0.371	-30.7	**40**	IN	**d5CB**
o-Xylene	7672070	**4.530**	0.963	0.860	-12.0	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	4702617	**2.350**	1.138	1.061	-7.3	**30**	IN	**d5CB**
1,2,3-Trichloropropane	1068514	**2.550**	0.238	0.221	-8.1	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	734997	**2.890**	0.145	0.119	-21.4	**40**	IN	**d5CB**
n-Propylbenzene	9968585	**3.210**	1.766	1.450	-21.8	**30**	IN	**d5CB**
Isopropylbenzene	5290664	**3.240**	0.929	0.859	-8.1	**30**	IN	**d5CB**
4-Ethyltoluene	18098435	**7.770**	1.325	0.958	-38.3	**30**	OUT	**d5CB**
1,3,5-Trimethylbenzene	10419895	**4.540**	1.305	1.029	-26.9	**30**	IN	**d5CB**
Decane	6458946	**2.630**	1.397	1.258	-11.0	**30**	IN	**d5CB**
tert-butyl benzene	6020360	**2.860**	1.197	1.036	-15.6	**40**	IN	**d5CB**

Compound	Area Astdl	Cal Level Cstdl ppbv	CCRRFl	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	10312809	**4.460**	1.315	1.056	-24.5	**30**	IN	**d5CB**
i-Butylbenzene	9675522	**2.850**	1.931	1.625	-18.8	**40**	IN	**d5CB**
sec-butylbenzene	9936337	**2.650**	2.132	1.547	-37.9	**40**	IN	**d5CB**
1,3-Dichlorobenzene	5027596	**3.520**	0.812	0.712	-14.1	**40**	IN	**d5CB**
Isopropyltoluene	7828939	**2.980**	1.494	1.290	-15.8	**40**	IN	**d5CB**
Benzyl chloride	4853254	**3.140**	0.879	0.842	-4.4	**40**	IN	**d5CB**
1,4-Dichlorobenzene	4802038	**3.290**	0.830	0.768	-8.1	**40**	IN	**d5CB**
n-Butylbenzene	12768630	**2.330**	3.117	2.233	-39.6	**40**	IN	**d5CB**
1,2-Dichlorobenzene	5177172	**3.090**	0.953	0.886	-7.5	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	1172951	**2.940**	0.227	0.336	32.5	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	269685	**1.955**	0.078	0.200	60.8	**50**	OUT	**d5CB**
Naphthalene	172565	**0.765**	0.128	0.440	70.9	**50**	OUT	**d5CB**
1,2,3-Trichlorobenzene	264146	**2.455**	0.061	0.160	61.7	**50**	OUT	**d5CB**
Hexachlorobutadiene	902196	**1.260**	0.407	0.481	15.3	**50**	IN	**d5CB**
1,1-Difluoroethane	4139065	**4.750**	0.496	0.344	-44.1	**50**	IN	**d5CB**
Pentafluorobenzene	5272438	**5.000**		0.000				
1,4-Difluorobenzene	7600136	**5.000**		0.000				
Chlorobenzene-d5	8791513	**5.000**		0.000				
Toluene-d8	3953973	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08046**		
File Name:	C08046A.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/4/26**	**Time:**	**7:49**
Anal Date:	4 Aug 126 7:49 am	**SF:**	**2**	**QCbatch:**	**0080426-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.793	1.69	42.00	2621069
75-71-8	Dichlorodifluoromethane	3	TRG	6.408	1.74	85.00	7160265
67-56-1	Methanol	4	TRG	8.675	2.49	31.00	3627685
74-87-3	Chloromethane	5	TRG	4.401	2.03	50.00	4009016
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	9.162	1.91	85.00	7138355
75-01-4	Vinyl chloride	7	TRG	5.434	2.07	62.00	3534190
106-99-0	1,3-Butadiene	8	TRG	4.350	2.17	54.00	1496617
74-83-9	Bromomethane	9	TRG	4.586	2.44	94.00	2028405
75-00-3	Chloroethane	10	TRG	4.579	2.68	64.00	1256685
64-17-5	Ethanol	11	TRG	16.412	3.39	46.00	1702584
107-02-8	Acrolein	12	TRG	6.155	3.75	56.00	786939
75-69-4	Trichlorofluoromethane	13	TRG	5.195	2.78	101.00	3337776
67-64-1	Acetone	14	TRG	5.089	4.13	58.00	1084155
67-63-0	2-propanol (isopropylalcoh	15	TRG	6.424	3.99	45.00	6282031
75-65-0	t-Butyl alcohol	16	TRG	5.046	4.50	59.00	4763968
4227-95-6	Methyl iodide	17	TRG	1.790	3.51	142.00	647792
75-35-4	1,1-Dichloroethene	18	TRG	5.193	3.36	61.00	4556140
107-13-1	Acrylonitrile	19	TRG	5.222	4.96	53.00	1514409
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.636	3.45	151.00	2197311
107-05-1	Allyl chloride	21	TRG	5.598	2.88	76.00	322275
75-09-2	Methylene chloride	22	TRG	4.646	4.03	84.00	1478508
75-15-0	Carbon disulfide	23	TRG	4.737	3.45	76.00	3132411
156-60-5	trans-1,2-Dichloroethene	24	TRG	4.128	4.28	96.00	1706965
1634-04-4	Methyl tert butyl ether	25	TRG	3.503	4.42	73.00	3086658
107-12-0	Propionitrile	26	TRG	7.204	6.49	54.00	1974784
75-34-3	1,1-Dichloroethane	27	TRG	4.711	4.94	63.00	3596405
637-92-3	Ethyl tert butyl ether	28	TRG	2.699	5.22	59.00	2779190
108-05-4	Vinyl acetate	29	TRG	3.104	5.74	43.00	474703
78-93-3	2-Butanone (MEK)	30	TRG	4.962	6.18	72.00	994983
108-20-3	Diisopropyl ether	31	TRG	2.450	4.81	87.00	667293
110-54-3	Hexane	32	TRG	3.842	4.33	57.00	4314542
126-98-7	Methacrylonitrile	33	TRG	4.787	6.51	67.00	1142435
141-78-6	Ethyl acetate	34	TRG	4.242	6.71	61.00	567578
74-97-5	Bromochloromethane	35	TRG	3.105	5.76	49.00	2014572

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.422	5.98	55.00	1231565
109-99-9	Tetrahydrofuran	37	TRG	5.030	6.18	72.00	994983
78-83-1	Isobutyl alcohol	38	TRG	4.672	6.76	74.00	234531
156-59-2	cis-1,2-Dichloroethene	39	TRG	5.069	5.54	96.00	2145753
594-20-7	2,2-Dichloropropane	40	TRG	4.359	5.64	77.00	2087056
67-66-3	Chloroform	41	TRG	5.544	5.83	83.00	**3459987**
71-55-6	1,1,1-Trichloroethane	43	TRG	4.352	6.08	97.00	2299896
107-06-2	1,2-Dichloroethane	44	TRG	5.103	6.71	61.95	2493899
563-58-6	1,1-Dichloropropene	45	TRG	3.582	6.20	75.00	2277211
110-82-7	Cyclohexane	46	TRG	4.089	5.78	56.00	3416788
71-43-2	Benzene	47	TRG	4.579	6.49	78.00	6846825
56-23-5	Carbon tetrachloride	48	TRG	5.236	6.01	116.90	1785669
994-05-8	t-Amyl methyl ether	49	TRG	2.219	6.63	73.00	2577094
540-84-1	2,2,4-Trimethylpentane	50	TRG	3.183	6.34	57.00	8049115
142-82-5	n-Heptane	51	TRG	3.351	6.49	71.00	1559109
78-87-5	1,2-Dichloropropane	52	TRG	4.805	7.77	63.00	2593152
123-91-1	1,4 Dioxane	53	TRG	8.673	8.09	88.00	2797391
74-95-3	Dibromomethane	54	TRG	2.418	7.65	174.00	961510
79-01-6	Trichloroethene (TCE)	55	TRG	5.043	6.49	130.00	2790503
75-27-4	Bromodichloromethane	56	TRG	2.296	7.85	83.00	1429926
80-62-6	Methyl methacrylate	57	TRG	3.661	8.05	69.00	1500136
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	4.393	9.40	58.00	2176685
10061-01-5	cis-1,3-Dichloropropene	59	TRG	4.619	8.62	75.00	**2788566**
108-88-3	Toluene	61	TRG	4.904	8.92	91.00	6794453
10061-02-6	trans-1,3-Dichloropropene	62	TRG	4.648	9.43	75.00	2905380
79-00-5	1,1,2-Trichloroethane	63	TRG	4.530	9.63	61.00	1593403
97-63-2	Ethyl methacrylate	64	TRG	2.507	9.67	69.00	1816913
591-78-6	2-Hexanone	65	TRG	4.043	10.50	58.00	3419171
142-28-9	1,3-Dichloropropane	66	TRG	3.378	10.00	76.00	2957863
111-65-9	Octane	67	TRG	2.820	8.72	85.00	1574717
124-48-1	Dibromochloromethane	68	TRG	2.581	9.87	129.00	1670133
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	2.380	10.18	107.00	2156218
127-18-4	Tetrachloroethene (PCE)	70	TRG	2.710	9.41	166.00	1702101
108-90-7	Chlorobenzene	72	TRG	5.112	10.91	112.00	6514985
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	2.564	11.00	131.00	1211718
100-41-4	Ethylbenzene	74	TRG	5.502	10.94	106	9617835
1330-20-7	m,p-Xylenes	75	TRG	5.416	11.15	91.00	8015038
111-84-2	Nonane	76	TRG	2.640	10.86	57.00	3919901
100-42-5	Styrene	77	TRG	5.313	11.83	104.00	5765649
75-25-2	Bromoform	78	TRG	1.816	11.86	173.00	1185592
95-47-6	o-Xylene	79	TRG	5.074	11.73	91.00	7672070
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.521	12.92	83.00	4702617
96-18-4	1,2,3-Trichloropropane	81	TRG	2.755	13.12	110.00	1068514
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	2.793	13.21	53.00	734997
103-65-1	n-Propylbenzene	83	TRG	3.909	12.83	91.00	9968585
98-82-8	Isopropylbenzene	84	TRG	3.503	12.24	105.00	5290664
622-96-8	4-Ethyltoluene	85	TRG	10.746	13.00	105.00	18098435
108-67-8	1,3,5-Trimethylbenzene	86	TRG	5.761	13.12	105.00	10419895
124-18-5	Decane	87	TRG	2.920	12.85	57.00	6458946
98-06-6	tert-butyl benzene	88	TRG	3.306	13.61	119.00	6020360

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	5.554	13.71	105.00	10312809
538-93-2	i-Butylbenzene	90	TRG	3.386	13.89	91.00	9675522
135-98-8	sec-butylbenzene	91	TRG	3.653	13.87	105.00	9936337
541-73-1	1,3-Dichlorobenzene	92	TRG	4.017	14.19	146.00	5027596
99-87-6	Isopropyltoluene	93	TRG	3.451	14.10	119.00	7828939
100-44-7	Benzyl chloride	94	TRG	3.277	13.31	91.00	4853254
106-46-7	1,4-Dichlorobenzene	95	TRG	3.557	14.34	146.00	4802038
104-51-8	n-Butylbenzene	96	TRG	3.252	14.76	91.00	12768630
95-50-1	1,2-Dichlorobenzene	97	TRG	3.322	15.01	146.00	5177172
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	1.984	16.27	75.00	1172951
120-82-1	1,2,4-Trichlorobenzene	99	TRG	0.766	17.40	180.00	269685
91-20-3	Naphthalene	100	TRG	0.223	17.95	128.00	172565
87-61-6	1,2,3-Trichlorobenzene	101	TRG	0.941	17.42	180.00	264146
87-68-3	Hexachlorobutadiene	102	TRG	1.068	17.35	225.00	902196
75-37-6	1,1-Difluoroethane	103	TRG	6.844	1.83	51.00	4139065
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5272438**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7600136**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8791513**
2037-26-5	Toluene-d8	61	SURR	2.311	8.85	98.00	**3953973**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		
QC_Batch:	**0080526-MA1**		
Sample ID:	ST62126		
Sample Analysis Date:	5 Aug 126 7:36 am		
Run Method:	B1563_C.M		
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	

Sample Calculation:

1) $CCRFi = \left| \frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Aistdi)} \right|_i$

CCRFi is the Continuing Calibration RF

PFB - Pentafluorobenzene
14DFB - 1,4-Difluorobenzene
d5CB - d5-Chlorobenzene

A passing calibration can have (10%) or 10 compounds out

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Propylene	2492166	**4.750**	0.499	0.429	-16.2	**30**	IN	**PFB**
Dichlorodifluoromethane	7793782	**4.750**	1.560	0.986	-58.2	**30**	OUT	**PFB**
Methanol	3049840	**7.870**	0.368	0.397	7.1	**50**	IN	**PFB**
Chloromethane	4133112	**4.750**	0.827	0.699	-18.4	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	7489440	**4.750**	1.499	1.135	-32.0	**30**	OUT	**PFB**
Vinyl chloride	3470463	**4.750**	0.694	0.617	-12.6	**30**	IN	**PFB**
1,3-Butadiene	1676536	**4.750**	0.336	0.326	-2.8	**30**	IN	**PFB**
Bromomethane	2156310	**4.750**	0.432	0.331	-30.5	**30**	OUT	**PFB**
Chloroethane	1315116	**4.750**	0.263	0.204	-28.7	**30**	IN	**PFB**
Ethanol	1631220	**16.040**	0.097	0.098	1.7	**50**	IN	**PFB**
Acrolein	990229	**6.890**	0.137	0.121	-12.7	**30**	IN	**PFB**
Trichlorofluoromethane	3366949	**4.560**	0.702	0.609	-15.2	**30**	IN	**PFB**
Acetone	1527792	**6.380**	0.228	0.202	-12.7	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	6565343	**6.140**	1.016	0.927	-9.6	**50**	IN	**PFB**
t-Butyl alcohol	4720276	**4.560**	0.984	0.895	-9.9	**40**	IN	**PFB**
Methyl iodide	320491	**1.390**	0.219	0.305	28.1	**30**	IN	**PFB**
1,1-Dichloroethene	4038004	**4.350**	0.882	0.932	5.3	**30**	IN	**PFB**
Acrylonitrile	1697559	**5.270**	0.306	0.275	-11.3	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	2093385	**4.200**	0.474	0.449	-5.4	**30**	IN	**PFB**
Allyl chloride	207725	**4.990**	0.040	0.055	27.5	**40**	IN	**PFB**
Methylene chloride	1632483	**4.580**	0.339	0.302	-12.3	**30**	IN	**PFB**
Carbon disulfide	3684695	**4.810**	0.728	0.627	-16.1	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1705365	**3.740**	0.433	0.392	-10.5	**30**	IN	**PFB**
Methyl tert butyl ether	3533357	**3.820**	0.879	0.836	-5.2	**40**	IN	**PFB**
Propionitrile	2050472	**6.510**	0.299	0.260	-15.2	**40**	IN	**PFB**
1,1-Dichloroethane	4012148	**4.380**	0.871	0.724	-20.3	**30**	IN	**PFB**
Ethyl tert butyl ether	3272468	**3.010**	1.033	0.977	-5.8	**40**	IN	**PFB**
Vinyl acetate	511496	**4.560**	0.107	0.110	3.2	**40**	IN	**PFB**
2-Butanone (MEK)	1114425	**5.280**	0.201	0.190	-5.5	**40**	IN	**PFB**
Diisopropyl ether	697279	**2.700**	0.245	0.258	5.0	**40**	IN	**PFB**
Hexane	4696378	**3.830**	1.166	1.065	-9.4	**40**	IN	**PFB**
Methacrylonitrile	1197612	**4.980**	0.229	0.226	-1.0	**40**	IN	**PFB**
Ethyl acetate	626594	**4.540**	0.131	0.127	-3.4	**40**	IN	**PFB**
Bromochloromethane	2200685	**2.760**	0.758	0.615	-23.2	**30**	IN	**PFB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	1352956	**2.460**	0.523	0.482	-8.4	**40**	IN	**PFB**
Tetrahydrofuran	1114425	**5.380**	0.197	0.188	-5.0	**40**	IN	**PFB**
Isobutyl alcohol	200083	**3.780**	0.050	0.048	-5.7	**40**	IN	**PFB**
cis-1,2-Dichloroethene	2131180	**4.720**	0.429	0.401	-6.9	**30**	IN	**PFB**
2,2-Dichloropropane	2658263	**4.620**	0.547	0.454	-20.4	**30**	IN	**PFB**
Chloroform	3590717	**4.770**	0.716	0.592	-20.9	**30**	IN	**PFB**
1,1,1-Trichloroethane	2806221	**4.210**	0.437	0.348	-25.6	**30**	IN	**14DFB**
1,2-Dichloroethane	2684566	**4.340**	0.405	0.322	-26.0	**30**	IN	**14DFB**
1,1-Dichloropropene	2488236	**3.420**	0.477	0.418	-13.9	**30**	IN	**14DFB**
Cyclohexane	3643849	**3.970**	0.601	0.550	-9.4	**30**	IN	**14DFB**
Benzene	6674224	**4.460**	0.980	0.984	0.3	**30**	IN	**14DFB**
Carbon tetrachloride	2016632	**4.500**	0.294	0.224	-30.8	**30**	OUT	**14DFB**
t-Amyl methyl ether	2931387	**2.300**	0.835	0.764	-9.3	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	8339327	**2.820**	1.937	1.663	-16.5	**30**	IN	**14DFB**
n-Heptane	1593394	**3.140**	0.332	0.306	-8.6	**30**	IN	**14DFB**
1,2-Dichloropropane	2797200	**4.580**	0.400	0.355	-12.7	**30**	IN	**14DFB**
1,4 Dioxane	2808332	**8.760**	0.210	0.212	1.0	**40**	IN	**14DFB**
Dibromomethane	953091	**1.950**	0.320	0.262	-22.4	**30**	IN	**14DFB**
Trichloroethene (TCE)	2582182	**4.430**	0.382	0.364	-4.9	**30**	IN	**14DFB**
Bromodichloromethane	1589798	**2.080**	0.501	0.410	-22.2	**40**	IN	**14DFB**
Methyl methacrylate	1597200	**3.510**	0.298	0.270	-10.6	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	2303837	**3.920**	0.385	0.326	-18.1	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	3094711	**4.550**	0.446	0.397	-12.2	**30**	IN	**14DFB**
Toluene	7273885	**4.580**	1.040	0.911	-14.1	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	3311054	**4.560**	0.476	0.411	-15.7	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1734837	**4.520**	0.251	0.231	-8.7	**30**	IN	**14DFB**
Ethyl methacrylate	1880389	**2.390**	0.515	0.477	-8.1	**40**	IN	**14DFB**
2-Hexanone	3258417	**3.680**	0.580	0.556	-4.3	**40**	IN	**14DFB**
1,3-Dichloropropane	3088239	**3.410**	0.593	0.576	-3.0	**30**	IN	**14DFB**
Octane	1645387	**2.830**	0.381	0.367	-3.7	**30**	IN	**14DFB**
Dibromochloromethane	1717018	**2.070**	0.543	0.426	-27.7	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	2263189	**2.310**	0.642	0.596	-7.7	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1549569	**2.310**	0.439	0.413	-6.4	**30**	IN	**14DFB**
Chlorobenzene	6154734	**4.330**	0.813	0.888	8.4	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	1244924	**2.150**	0.331	0.269	-23.2	**30**	IN	**d5CB**
Ethylbenzene	9561472	**4.640**	1.179	0.994	-18.6	**30**	IN	**d5CB**
m,p-Xylenes	8015066	**4.660**	0.984	0.842	-16.9	**30**	IN	**d5CB**
Nonane	4017745	**2.470**	0.930	0.844	-10.2	**30**	IN	**d5CB**
Styrene	5547465	**4.550**	0.697	0.617	-13.0	**30**	IN	**d5CB**
Bromoform	1117462	**1.390**	0.460	0.371	-23.9	**40**	IN	**d5CB**
o-Xylene	7766769	**4.530**	0.981	0.860	-14.0	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	4650962	**2.350**	1.132	1.061	-6.7	**30**	IN	**d5CB**
1,2,3-Trichloropropane	1047720	**2.550**	0.235	0.221	-6.6	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	1065132	**2.890**	0.211	0.119	-76.9	**40**	OUT	**d5CB**
n-Propylbenzene	9585902	**3.210**	1.708	1.450	-17.8	**30**	IN	**d5CB**
Isopropylbenzene	5150943	**3.240**	0.909	0.859	-5.9	**30**	IN	**d5CB**
4-Ethyltoluene	17790564	**7.770**	1.310	0.958	-36.7	**30**	OUT	**d5CB**
1,3,5-Trimethylbenzene	10081918	**4.540**	1.270	1.029	-23.5	**30**	IN	**d5CB**
Decane	6321453	**2.630**	1.375	1.258	-9.3	**30**	IN	**d5CB**
tert-butyl benzene	5473479	**2.860**	1.095	1.036	-5.7	**40**	IN	**d5CB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	9795926	**4.460**	1.256	1.056	-19.0	**30**	IN	**d5CB**
i-Butylbenzene	9173361	**2.850**	1.841	1.625	-13.3	**40**	IN	**d5CB**
sec-butylbenzene	9589386	**2.650**	2.070	1.547	-33.8	**40**	IN	**d5CB**
1,3-Dichlorobenzene	4627359	**3.520**	0.752	0.712	-5.6	**40**	IN	**d5CB**
Isopropyltoluene	7531060	**2.980**	1.446	1.290	-12.0	**40**	IN	**d5CB**
Benzyl chloride	4741925	**3.140**	0.864	0.842	-2.6	**40**	IN	**d5CB**
1,4-Dichlorobenzene	4499528	**3.290**	0.782	0.768	-1.9	**40**	IN	**d5CB**
n-Butylbenzene	12981941	**2.330**	3.187	2.233	-42.7	**40**	OUT	**d5CB**
1,2-Dichlorobenzene	4953994	**3.090**	0.917	0.886	-3.5	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	1351423	**2.940**	0.263	0.336	21.8	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	456347	**1.955**	0.134	0.200	33.3	**50**	IN	**d5CB**
Naphthalene	194575	**0.765**	0.145	0.440	66.9	**50**	OUT	**d5CB**
1,2,3-Trichlorobenzene	456347	**2.455**	0.106	0.160	33.4	**50**	IN	**d5CB**
Hexachlorobutadiene	1043446	**1.260**	0.474	0.481	1.4	**50**	IN	**d5CB**
1,1-Difluoroethane	4040607	**4.750**	0.487	0.344	-41.5	**50**	IN	**d5CB**
Pentafluorobenzene	5260132	**5.000**		0.000				
1,4-Difluorobenzene	7632695	**5.000**		0.000				
Chlorobenzene-d5	8740930	**5.000**		0.000				
Toluene-d8	4306022	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08056**		
File Name:	C08056A.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/5/26**	**Time:**	**7:36**
Anal Date:	5 Aug 126 7:36 am	**SF:**	**2**	**QCbatch:**	**0080526-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.521	1.69	42.00	2492166
75-71-8	Dichlorodifluoromethane	3	TRG	7.275	1.74	85.00	7793782
67-56-1	Methanol	4	TRG	7.310	2.49	31.00	3049840
74-87-3	Chloromethane	5	TRG	4.561	2.03	50.00	4133112
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	9.873	1.91	85.00	7489440
75-01-4	Vinyl chloride	7	TRG	5.348	2.07	62.00	3470463
106-99-0	1,3-Butadiene	8	TRG	4.884	2.17	54.00	1676536
74-83-9	Bromomethane	9	TRG	4.905	2.44	94.00	2156310
75-00-3	Chloroethane	10	TRG	4.817	2.68	64.00	1315116
64-17-5	Ethanol	11	TRG	15.761	3.39	46.00	1631220
107-02-8	Acrolein	12	TRG	7.763	3.75	56.00	990229
75-69-4	Trichlorofluoromethane	13	TRG	5.253	2.78	101.00	3366949
67-64-1	Acetone	14	TRG	7.188	4.13	58.00	1527792
67-63-0	2-propanol (isopropylalcoh	15	TRG	6.729	3.99	45.00	6565343
75-65-0	t-Butyl alcohol	16	TRG	5.011	4.50	59.00	4720276
4227-95-6	Methyl iodide	17	TRG	0.897	3.51	142.00	320491
75-35-4	1,1-Dichloroethene	18	TRG	4.324	3.36	61.00	4038004
107-13-1	Acrylonitrile	19	TRG	5.867	4.96	53.00	1697559
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.427	3.45	151.00	2093385
107-05-1	Allyl chloride	21	TRG	3.617	2.88	76.00	207725
75-09-2	Methylene chloride	22	TRG	5.142	4.03	84.00	1632483
75-15-0	Carbon disulfide	23	TRG	5.585	3.45	76.00	3684695
156-60-5	trans-1,2-Dichloroethene	24	TRG	4.134	4.28	96.00	1705365
1634-04-4	Methyl tert butyl ether	25	TRG	4.020	4.42	73.00	3533357
107-12-0	Propionitrile	26	TRG	7.498	6.49	54.00	2050472
75-34-3	1,1-Dichloroethane	27	TRG	5.267	4.94	63.00	4012148
637-92-3	Ethyl tert butyl ether	28	TRG	3.185	5.22	59.00	3272468
108-05-4	Vinyl acetate	29	TRG	3.344	5.74	43.00	511496
78-93-3	2-Butanone (MEK)	30	TRG	5.571	6.18	72.00	1114425
108-20-3	Diisopropyl ether	31	TRG	2.566	4.81	87.00	697279
110-54-3	Hexane	32	TRG	4.191	4.33	57.00	4696378
126-98-7	Methacrylonitrile	33	TRG	5.030	6.51	67.00	1197612
141-78-6	Ethyl acetate	34	TRG	4.695	6.71	61.00	626594
74-97-5	Bromochloromethane	35	TRG	3.400	5.76	49.00	2200685

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.667	5.98	55.00	1352956
109-99-9	Tetrahydrofuran	37	TRG	5.647	6.18	72.00	1114425
78-83-1	Isobutyl alcohol	38	TRG	3.995	6.76	74.00	200083
156-59-2	cis-1,2-Dichloroethene	39	TRG	5.046	5.54	96.00	2131180
594-20-7	2,2-Dichloropropane	40	TRG	5.565	5.64	77.00	2658263
67-66-3	Chloroform	41	TRG	5.767	5.83	83.00	**3590717**
71-55-6	1,1,1-Trichloroethane	43	TRG	5.288	6.08	97.00	2806221
107-06-2	1,2-Dichloroethane	44	TRG	5.469	6.71	61.95	2684566
563-58-6	1,1-Dichloropropene	45	TRG	3.897	6.20	75.00	2488236
110-82-7	Cyclohexane	46	TRG	4.342	5.78	56.00	3643849
71-43-2	Benzene	47	TRG	4.445	6.49	78.00	6674224
56-23-5	Carbon tetrachloride	48	TRG	5.888	6.01	116.90	2016632
994-05-8	t-Amyl methyl ether	49	TRG	2.513	6.63	73.00	2931387
540-84-1	2,2,4-Trimethylpentane	50	TRG	3.284	6.34	57.00	8339327
142-82-5	n-Heptane	51	TRG	3.410	6.49	71.00	1593394
78-87-5	1,2-Dichloropropane	52	TRG	5.161	7.77	63.00	2797200
123-91-1	1,4 Dioxane	53	TRG	8.670	8.09	88.00	2808332
74-95-3	Dibromomethane	54	TRG	2.386	7.65	174.00	953091
79-01-6	Trichloroethene (TCE)	55	TRG	4.647	6.49	130.00	2582182
75-27-4	Bromodichloromethane	56	TRG	2.542	7.85	83.00	1589798
80-62-6	Methyl methacrylate	57	TRG	3.881	8.05	69.00	1597200
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	4.630	9.40	58.00	2303837
10061-01-5	cis-1,3-Dichloropropene	59	TRG	5.104	8.62	75.00	**3094711**
108-88-3	Toluene	61	TRG	5.228	8.92	91.00	7273885
10061-02-6	trans-1,3-Dichloropropene	62	TRG	5.274	9.43	75.00	3311054
79-00-5	1,1,2-Trichloroethane	63	TRG	4.912	9.63	61.00	1734837
97-63-2	Ethyl methacrylate	64	TRG	2.584	9.67	69.00	1880389
591-78-6	2-Hexanone	65	TRG	3.837	10.50	58.00	3258417
142-28-9	1,3-Dichloropropane	66	TRG	3.512	10.00	76.00	3088239
111-65-9	Octane	67	TRG	2.935	8.72	85.00	1645387
124-48-1	Dibromochloromethane	68	TRG	2.643	9.87	129.00	1717018
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	2.487	10.18	107.00	2263189
127-18-4	Tetrachloroethene (PCE)	70	TRG	2.457	9.41	166.00	1549569
108-90-7	Chlorobenzene	72	TRG	4.858	10.91	112.00	6154734
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	2.649	11.00	131.00	1244924
100-41-4	Ethylbenzene	74	TRG	5.501	10.94	106	9561472
1330-20-7	m,p-Xylenes	75	TRG	5.447	11.15	91.00	8015066
111-84-2	Nonane	76	TRG	2.721	10.86	57.00	4017745
100-42-5	Styrene	77	TRG	5.142	11.83	104.00	5547465
75-25-2	Bromoform	78	TRG	1.722	11.86	173.00	1117462
95-47-6	o-Xylene	79	TRG	5.166	11.73	91.00	7766769
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.508	12.92	83.00	4650962
96-18-4	1,2,3-Trichloropropane	81	TRG	2.717	13.12	110.00	1047720
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	3.949	13.21	53.00	1065132
103-65-1	n-Propylbenzene	83	TRG	3.780	12.83	91.00	9585902
98-82-8	Isopropylbenzene	84	TRG	3.430	12.24	105.00	5150943
622-96-8	4-Ethyltoluene	85	TRG	10.624	13.00	105.00	17790564
108-67-8	1,3,5-Trimethylbenzene	86	TRG	5.607	13.12	105.00	10081918
124-18-5	Decane	87	TRG	2.875	12.85	57.00	6321453
98-06-6	tert-butyl benzene	88	TRG	3.023	13.61	119.00	5473479

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	5.306	13.71	105.00	9795926
538-93-2	i-Butylbenzene	90	TRG	3.228	13.89	91.00	9173361
135-98-8	sec-butylbenzene	91	TRG	3.546	13.87	105.00	9589386
541-73-1	1,3-Dichlorobenzene	92	TRG	3.718	14.19	146.00	4627359
99-87-6	Isopropyltoluene	93	TRG	3.339	14.10	119.00	7531060
100-44-7	Benzyl chloride	94	TRG	3.221	13.31	91.00	4741925
106-46-7	1,4-Dichlorobenzene	95	TRG	3.352	14.34	146.00	4499528
104-51-8	n-Butylbenzene	96	TRG	3.325	14.76	91.00	12981941
95-50-1	1,2-Dichlorobenzene	97	TRG	3.197	15.01	146.00	4953994
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	2.300	16.27	75.00	1351423
120-82-1	1,2,4-Trichlorobenzene	99	TRG	1.304	17.40	180.00	456347
91-20-3	Naphthalene	100	TRG	0.253	17.95	128.00	194575
87-61-6	1,2,3-Trichlorobenzene	101	TRG	1.635	17.42	180.00	456347
87-68-3	Hexachlorobutadiene	102	TRG	1.242	17.35	225.00	1043446
75-37-6	1,1-Difluoroethane	103	TRG	6.720	1.79	51.00	4040607
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5260132**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7632695**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8740930**
2037-26-5	Toluene-d8	61	SURR	2.506	8.85	98.00	**4306022**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		**Sample Calculation:**
QC_Batch:	**0080626-MA1**		1) CCRFi = $\frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Aistdi)}$ |
Sample ID:	ST62126		
Sample Analysis Date:	6 Aug 126 7:43 am		
Run Method:	B1563_C.M		CCRFi is the Continuing Calibration RF
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	PFB - Pentafluorobenzene
			14DFB - 1,4-Difluorobenzene
A passing calibration can have (10%) or 10 compounds out			d5CB - d5-Chlorobenzene

Compound	Area Astdi	**Cal Level Cstdi ppbv**	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	**Quant IS**
Propylene	2183042	**4.750**	0.456	0.429	-6.3	**30**	IN	**PFB**
Dichlorodifluoromethane	7445670	**4.750**	1.555	0.986	-57.7	**30**	OUT	**PFB**
Methanol	3789017	**7.870**	0.478	0.397	-20.5	**50**	IN	**PFB**
Chloromethane	3271186	**4.750**	0.683	0.699	2.2	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	7011150	**4.750**	1.465	1.135	-29.0	**30**	IN	**PFB**
Vinyl chloride	3399556	**4.750**	0.710	0.617	-15.1	**30**	IN	**PFB**
1,3-Butadiene	1918364	**4.750**	0.401	0.326	-22.8	**30**	IN	**PFB**
Bromomethane	1956713	**4.750**	0.409	0.331	-23.6	**30**	IN	**PFB**
Chloroethane	1266360	**4.750**	0.265	0.204	-29.4	**30**	IN	**PFB**
Ethanol	1951321	**16.040**	0.121	0.098	-22.7	**50**	IN	**PFB**
Acrolein	827755	**6.890**	0.119	0.121	1.7	**30**	IN	**PFB**
Trichlorofluoromethane	3281114	**4.560**	0.714	0.609	-17.2	**30**	IN	**PFB**
Acetone	1254059	**6.380**	0.195	0.202	3.5	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	7538359	**6.140**	1.218	0.927	-31.4	**50**	IN	**PFB**
t-Butyl alcohol	5508775	**4.560**	1.199	0.895	-33.9	**40**	IN	**PFB**
Methyl iodide	545078	**1.390**	0.389	0.305	-27.7	**30**	IN	**PFB**
1,1-Dichloroethene	4747922	**4.350**	1.083	0.932	-16.2	**30**	IN	**PFB**
Acrylonitrile	1614160	**5.270**	0.304	0.275	-10.5	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	2036003	**4.200**	0.481	0.449	-7.0	**30**	IN	**PFB**
Allyl chloride	307221	**4.990**	0.061	0.055	-11.9	**40**	IN	**PFB**
Methylene chloride	1595977	**4.580**	0.346	0.302	-14.6	**30**	IN	**PFB**
Carbon disulfide	3038066	**4.810**	0.627	0.627	0.1	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1687192	**3.740**	0.448	0.392	-14.2	**30**	IN	**PFB**
Methyl tert butyl ether	3660476	**3.820**	0.951	0.836	-13.8	**40**	IN	**PFB**
Propionitrile	2133822	**6.510**	0.325	0.260	-25.1	**40**	IN	**PFB**
1,1-Dichloroethane	4035794	**4.380**	0.914	0.724	-26.3	**30**	IN	**PFB**
Ethyl tert butyl ether	2952954	**3.010**	0.973	0.977	0.3	**40**	IN	**PFB**
Vinyl acetate	548743	**4.560**	0.119	0.110	-8.4	**40**	IN	**PFB**
2-Butanone (MEK)	1072258	**5.280**	0.202	0.190	-6.0	**40**	IN	**PFB**
Diisopropyl ether	849959	**2.700**	0.312	0.258	-20.9	**40**	IN	**PFB**
Hexane	4883323	**3.830**	1.265	1.065	-18.8	**40**	IN	**PFB**
Methacrylonitrile	1148508	**4.980**	0.229	0.226	-1.1	**40**	IN	**PFB**
Ethyl acetate	355504	**4.540**	0.078	0.127	38.8	**40**	IN	**PFB**
Bromochloromethane	2092036	**2.760**	0.752	0.615	-22.2	**30**	IN	**PFB**

Compound	Area Astdl	Cal Level Cstdl ppbv	CCRRFl	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	1298731	**2.460**	0.524	0.482	-8.7	**40**	IN	**PFB**
Tetrahydrofuran	1072258	**5.380**	0.198	0.188	-5.4	**40**	IN	**PFB**
Isobutyl alcohol	238026	**3.780**	0.062	0.048	-31.2	**40**	IN	**PFB**
cis-1,2-Dichloroethene	2185625	**4.720**	0.459	0.401	-14.5	**30**	IN	**PFB**
2,2-Dichloropropane	2059164	**4.620**	0.442	0.454	2.6	**30**	IN	**PFB**
Chloroform	3556086	**4.770**	0.740	0.592	-25.0	**30**	IN	**PFB**
1,1,1-Trichloroethane	2399668	**4.210**	0.376	0.348	-8.1	**30**	IN	**14DFB**
1,2-Dichloroethane	2653963	**4.340**	0.403	0.322	-25.4	**30**	IN	**14DFB**
1,1-Dichloropropene	2568167	**3.420**	0.495	0.418	-18.4	**30**	IN	**14DFB**
Cyclohexane	3831986	**3.970**	0.636	0.550	-15.8	**30**	IN	**14DFB**
Benzene	6910235	**4.460**	1.021	0.984	-3.8	**30**	IN	**14DFB**
Carbon tetrachloride	1798889	**4.500**	0.264	0.224	-17.5	**30**	IN	**14DFB**
t-Amyl methyl ether	2744854	**2.300**	0.787	0.764	-3.0	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	8902320	**2.820**	2.081	1.663	-25.1	**30**	IN	**14DFB**
n-Heptane	1747898	**3.140**	0.367	0.306	-19.9	**30**	IN	**14DFB**
1,2-Dichloropropane	2879169	**4.580**	0.414	0.355	-16.7	**30**	IN	**14DFB**
1,4 Dioxane	3080697	**8.760**	0.232	0.212	-9.3	**40**	IN	**14DFB**
Dibromomethane	893390	**1.950**	0.302	0.262	-15.4	**30**	IN	**14DFB**
Trichloroethene (TCE)	2818873	**4.430**	0.420	0.364	-15.2	**30**	IN	**14DFB**
Bromodichloromethane	1344777	**2.080**	0.426	0.410	-4.1	**40**	IN	**14DFB**
Methyl methacrylate	1593383	**3.510**	0.299	0.270	-11.0	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	2491829	**3.920**	0.419	0.326	-28.6	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	2822676	**4.550**	0.409	0.397	-3.0	**30**	IN	**14DFB**
Toluene	7269997	**4.580**	1.047	0.911	-14.8	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	3031402	**4.560**	0.438	0.411	-6.6	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1705623	**4.520**	0.249	0.231	-7.5	**30**	IN	**14DFB**
Ethyl methacrylate	2022401	**2.390**	0.558	0.477	-17.0	**40**	IN	**14DFB**
2-Hexanone	3896821	**3.680**	0.698	0.556	-25.5	**40**	IN	**14DFB**
1,3-Dichloropropane	3081814	**3.410**	0.596	0.576	-3.4	**30**	IN	**14DFB**
Octane	1837923	**2.830**	0.428	0.367	-16.6	**30**	IN	**14DFB**
Dibromochloromethane	1603789	**2.070**	0.511	0.426	-20.0	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	2140081	**2.310**	0.611	0.596	-2.5	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1619655	**2.310**	0.462	0.413	-11.9	**30**	IN	**14DFB**
Chlorobenzene	6733622	**4.330**	0.869	0.888	2.1	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	1148515	**2.150**	0.299	0.269	-11.1	**30**	IN	**d5CB**
Ethylbenzene	10365228	**4.640**	1.249	0.994	-25.6	**30**	IN	**d5CB**
m,p-Xylenes	8932342	**4.660**	1.072	0.842	-27.3	**30**	IN	**d5CB**
Nonane	4714696	**2.470**	1.067	0.844	-26.4	**30**	IN	**d5CB**
Styrene	5824789	**4.550**	0.716	0.617	-16.0	**30**	IN	**d5CB**
Bromoform	1101196	**1.390**	0.443	0.371	-19.3	**40**	IN	**d5CB**
o-Xylene	8755144	**4.530**	1.081	0.860	-25.7	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	4825765	**2.350**	1.148	1.061	-8.2	**30**	IN	**d5CB**
1,2,3-Trichloropropane	1067354	**2.550**	0.234	0.221	-6.1	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	1179438	**2.890**	0.228	0.119	-91.5	**40**	OUT	**d5CB**
n-Propylbenzene	10739864	**3.210**	1.871	1.450	-29.0	**30**	IN	**d5CB**
Isopropylbenzene	5552332	**3.240**	0.958	0.859	-11.6	**30**	IN	**d5CB**
4-Ethyltoluene	18342501	**7.770**	1.320	0.958	-37.8	**30**	OUT	**d5CB**
1,3,5-Trimethylbenzene	10827511	**4.540**	1.333	1.029	-29.6	**30**	IN	**d5CB**
Decane	7600650	**2.630**	1.616	1.258	-28.5	**30**	IN	**d5CB**
tert-butyl benzene	6456026	**2.860**	1.262	1.036	-21.9	**40**	IN	**d5CB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	10719150	**4.460**	1.344	1.056	-27.2	**30**	IN	**d5CB**
I-Butylbenzene	10740673	**2.850**	2.107	1.625	-29.6	**40**	IN	**d5CB**
sec-butylbenzene	10759034	**2.650**	2.270	1.547	-46.7	**40**	OUT	**d5CB**
1,3-Dichlorobenzene	5495981	**3.520**	0.873	0.712	-22.6	**40**	IN	**d5CB**
Isopropyltoluene	8359233	**2.980**	1.568	1.290	-21.5	**40**	IN	**d5CB**
Benzyl chloride	5637089	**3.140**	1.004	0.842	-19.2	**40**	IN	**d5CB**
1,4-Dichlorobenzene	5350917	**3.290**	0.909	0.768	-18.4	**40**	IN	**d5CB**
n-Butylbenzene	15139105	**2.330**	3.633	2.233	-62.7	**40**	OUT	**d5CB**
1,2-Dichlorobenzene	6032952	**3.090**	1.092	0.886	-23.2	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	1715629	**2.940**	0.326	0.336	2.9	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	648695	**1.955**	0.186	0.200	7.3	**50**	IN	**d5CB**
Naphthalene	680838	**0.765**	0.498	0.440	-13.1	**50**	IN	**d5CB**
1,2,3-Trichlorobenzene	648695	**2.455**	0.148	0.160	7.5	**50**	IN	**d5CB**
Hexachlorobutadiene	1187638	**1.260**	0.527	0.481	-9.6	**50**	IN	**d5CB**
1,1-Difluoroethane	3800404	**4.750**	0.447	0.344	-30.1	**50**	IN	**d5CB**
Pentafluorobenzene	5038928	**5.000**		0.000				
1,4-Difluorobenzene	7584005	**5.000**		0.000				
Chlorobenzene-d5	8942865	**5.000**		0.000				
Toluene-d8	4382511	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08066**		
File Name:	C08066A.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/6/26**	**Time:**	**7:43**
Anal Date:	6 Aug 126 7:43 am	**SF:**	**2**	**QCbatch:**	**0080626-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.049	1.69	42.00	2183042
75-71-8	Dichlorodifluoromethane	3	TRG	7.245	1.74	85.00	7445670
67-56-1	Methanol	4	TRG	9.480	2.49	31.00	3789017
74-87-3	Chloromethane	5	TRG	3.726	2.03	50.00	3271186
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	9.543	1.91	85.00	7011150
75-01-4	Vinyl chloride	7	TRG	5.469	2.07	62.00	3399556
106-99-0	1,3-Butadiene	8	TRG	5.834	2.17	54.00	1918364
74-83-9	Bromomethane	9	TRG	4.631	2.44	94.00	1956713
75-00-3	Chloroethane	10	TRG	4.843	2.68	64.00	1266360
64-17-5	Ethanol	11	TRG	19.681	3.39	46.00	1951321
107-02-8	Acrolein	12	TRG	6.774	3.75	56.00	827755
75-69-4	Trichlorofluoromethane	13	TRG	5.344	2.78	101.00	3281114
67-64-1	Acetone	14	TRG	6.159	4.13	58.00	1254059
67-63-0	2-propanol (isopropylalcoh	15	TRG	8.066	3.99	45.00	7538359
75-65-0	t-Butyl alcohol	16	TRG	6.105	4.50	59.00	5508775
4227-95-6	Methyl iodide	17	TRG	1.560	3.51	142.00	545078
75-35-4	1,1-Dichloroethene	18	TRG	5.897	3.36	61.00	4747922
107-13-1	Acrylonitrile	19	TRG	5.823	4.96	53.00	1614160
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.495	3.45	151.00	2036003
107-05-1	Allyl chloride	21	TRG	5.584	2.88	76.00	307221
75-09-2	Methylene chloride	22	TRG	5.248	4.03	84.00	1595977
75-15-0	Carbon disulfide	23	TRG	4.807	3.45	76.00	3038066
156-60-5	trans-1,2-Dichloroethene	24	TRG	4.270	4.28	96.00	1687192
1634-04-4	Methyl tert butyl ether	25	TRG	4.347	4.42	73.00	3660476
107-12-0	Propionitrile	26	TRG	8.145	6.49	54.00	2133822
75-34-3	1,1-Dichloroethane	27	TRG	5.531	4.94	63.00	4035794
637-92-3	Ethyl tert butyl ether	28	TRG	3.001	5.22	59.00	2952954
108-05-4	Vinyl acetate	29	TRG	3.742	5.74	43.00	548743
78-93-3	2-Butanone (MEK)	30	TRG	5.595	6.18	72.00	1072258
108-20-3	Diisopropyl ether	31	TRG	3.265	4.81	87.00	849959
110-54-3	Hexane	32	TRG	4.550	4.33	57.00	4883323
126-98-7	Methacrylonitrile	33	TRG	5.035	6.51	67.00	1148508
141-78-6	Ethyl acetate	34	TRG	2.780	6.71	61.00	355504
74-97-5	Bromochloromethane	35	TRG	3.374	5.76	49.00	2092036

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.673	5.98	55.00	1298731
109-99-9	Tetrahydrofuran	37	TRG	5.672	6.18	72.00	1072258
78-83-1	Isobutyl alcohol	38	TRG	4.961	6.76	74.00	238026
156-59-2	cis-1,2-Dichloroethene	39	TRG	5.402	5.54	96.00	2185625
594-20-7	2,2-Dichloropropane	40	TRG	4.500	5.64	77.00	2059164
67-66-3	Chloroform	41	TRG	5.962	5.83	83.00	**3556086**
71-55-6	1,1,1-Trichloroethane	43	TRG	4.551	6.08	97.00	2399668
107-06-2	1,2-Dichloroethane	44	TRG	5.442	6.71	61.95	2653963
563-58-6	1,1-Dichloropropene	45	TRG	4.048	6.20	75.00	2568167
110-82-7	Cyclohexane	46	TRG	4.595	5.78	56.00	3831986
71-43-2	Benzene	47	TRG	4.631	6.49	78.00	6910235
56-23-5	Carbon tetrachloride	48	TRG	5.286	6.01	116.90	1798889
994-05-8	t-Amyl methyl ether	49	TRG	2.369	6.63	73.00	2744854
540-84-1	2,2,4-Trimethylpentane	50	TRG	3.528	6.34	57.00	8902320
142-82-5	n-Heptane	51	TRG	3.765	6.49	71.00	1747898
78-87-5	1,2-Dichloropropane	52	TRG	5.346	7.77	63.00	2879169
123-91-1	1,4 Dioxane	53	TRG	9.572	8.09	88.00	3080697
74-95-3	Dibromomethane	54	TRG	2.251	7.65	174.00	893390
79-01-6	Trichloroethene (TCE)	55	TRG	5.106	6.49	130.00	2818873
75-27-4	Bromodichloromethane	56	TRG	2.164	7.85	83.00	1344777
80-62-6	Methyl methacrylate	57	TRG	3.897	8.05	69.00	1593383
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	5.040	9.40	58.00	2491829
10061-01-5	cis-1,3-Dichloropropene	59	TRG	4.686	8.62	75.00	**2822676**
108-88-3	Toluene	61	TRG	5.259	8.92	91.00	7269997
10061-02-6	trans-1,3-Dichloropropene	62	TRG	4.860	9.43	75.00	3031402
79-00-5	1,1,2-Trichloroethane	63	TRG	4.860	9.63	61.00	1705623
97-63-2	Ethyl methacrylate	64	TRG	2.797	9.67	69.00	2022401
591-78-6	2-Hexanone	65	TRG	4.618	10.50	58.00	3896821
142-28-9	1,3-Dichloropropane	66	TRG	3.527	10.00	76.00	3081814
111-65-9	Octane	67	TRG	3.299	8.72	85.00	1837923
124-48-1	Dibromochloromethane	68	TRG	2.484	9.87	129.00	1603789
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	2.367	10.18	107.00	2140081
127-18-4	Tetrachloroethene (PCE)	70	TRG	2.585	9.41	166.00	1619655
108-90-7	Chlorobenzene	72	TRG	5.194	10.91	112.00	6733622
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	2.389	11.00	131.00	1148515
100-41-4	Ethylbenzene	74	TRG	5.829	10.94	106	10365228
1330-20-7	m,p-Xylenes	75	TRG	5.934	11.15	91.00	8932342
111-84-2	Nonane	76	TRG	3.121	10.86	57.00	4714696
100-42-5	Styrene	77	TRG	5.277	11.83	104.00	5824789
75-25-2	Bromoform	78	TRG	1.658	11.86	173.00	1101196
95-47-6	o-Xylene	79	TRG	5.692	11.71	91.00	8755144
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.544	12.92	83.00	4825765
96-18-4	1,2,3-Trichloropropane	81	TRG	2.706	13.12	110.00	1067354
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	4.252	13.21	53.00	1179438
103-65-1	n-Propylbenzene	83	TRG	4.140	12.83	91.00	10739864
98-82-8	Isopropylbenzene	84	TRG	3.614	12.24	105.00	5552332
622-96-8	4-Ethyltoluene	85	TRG	10.706	13.00	105.00	18342501
108-67-8	1,3,5-Trimethylbenzene	86	TRG	5.885	13.12	105.00	10827511
124-18-5	Decane	87	TRG	3.379	12.85	57.00	7600650
98-06-6	tert-butyl benzene	88	TRG	3.486	13.61	119.00	6456026

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	5.675	13.71	105.00	10719150
538-93-2	i-Butylbenzene	90	TRG	3.695	13.89	91.00	10740673
135-98-8	sec-butylbenzene	91	TRG	3.889	13.87	105.00	10759034
541-73-1	1,3-Dichlorobenzene	92	TRG	4.316	14.19	146.00	5495981
99-87-6	Isopropyltoluene	93	TRG	3.622	14.10	119.00	8359233
100-44-7	Benzyl chloride	94	TRG	3.742	13.31	91.00	5637089
106-46-7	1,4-Dichlorobenzene	95	TRG	3.896	14.34	146.00	5350917
104-51-8	n-Butylbenzene	96	TRG	3.790	14.76	91.00	15139105
95-50-1	1,2-Dichlorobenzene	97	TRG	3.806	15.01	146.00	6032952
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	2.853	16.27	75.00	1715629
120-82-1	1,2,4-Trichlorobenzene	99	TRG	1.812	17.40	180.00	648695
91-20-3	Naphthalene	100	TRG	0.865	17.95	128.00	680838
87-61-6	1,2,3-Trichlorobenzene	101	TRG	2.271	17.42	180.00	648695
87-68-3	Hexachlorobutadiene	102	TRG	1.382	17.32	225.00	1187638
75-37-6	1,1-Difluoroethane	103	TRG	6.178	1.81	51.00	3800404
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5038928**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7584005**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8942865**
2037-26-5	Toluene-d8	61	SURR	2.567	8.85	98.00	**4382511**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		**Sample Calculation:**
QC_Batch:	**0080726-MA1**		1) CCRFi = $\frac{(Astd_i)\ (Cistd_i)}{(Cstd_i)\ (Aistd_i)}$ i
Sample ID:	ST62126		
Sample Analysis Date:	7 Aug 126 7:47 am		
Run Method:	B1563_C.M		CCRFi is the Continuing Calibration RF
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	PFB - Pentafluorobenzene
			14DFB - 1,4-Difluorobenzene
A passing calibration can have (10%) or 10 compounds out			d5CB - d5-Chlorobenzene

Compound	Area Astd	Cal Level Cstd ppbv	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Propylene	2148130	**4.750**	0.522	0.429	-21.6	**30**	IN	**PFB**
Dichlorodifluoromethane	6257281	**4.750**	1.520	0.986	-54.2	**30**	OUT	**PFB**
Methanol	3158691	**7.870**	0.463	0.397	-16.8	**50**	IN	**PFB**
Chloromethane	3056033	**4.750**	0.743	0.699	-6.3	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	7047560	**4.750**	1.712	1.135	-50.8	**30**	OUT	**PFB**
Vinyl chloride	3283939	**4.750**	0.798	0.617	-29.4	**30**	IN	**PFB**
1,3-Butadiene	1570438	**4.750**	0.382	0.326	-16.9	**30**	IN	**PFB**
Bromomethane	1398256	**4.750**	0.340	0.331	-2.8	**30**	IN	**PFB**
Chloroethane	935334	**4.750**	0.227	0.204	-11.2	**30**	IN	**PFB**
Ethanol	1504284	**16.040**	0.108	0.098	-10.0	**50**	IN	**PFB**
Acrolein	718490	**6.890**	0.120	0.121	0.7	**30**	IN	**PFB**
Trichlorofluoromethane	2786616	**4.560**	0.705	0.609	-15.8	**30**	IN	**PFB**
Acetone	1118236	**6.380**	0.202	0.202	-0.1	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	6474035	**6.140**	1.217	0.927	-31.2	**50**	IN	**PFB**
t-Butyl alcohol	4687932	**4.560**	1.187	0.895	-32.5	**40**	IN	**PFB**
Methyl Iodide	434830	**1.390**	0.361	0.305	-18.5	**30**	IN	**PFB**
1,1-Dichloroethene	4162276	**4.350**	1.104	0.932	-18.5	**30**	IN	**PFB**
Acrylonitrile	1388989	**5.270**	0.304	0.275	-10.6	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	1907028	**4.200**	0.524	0.449	-16.6	**30**	IN	**PFB**
Allyl chloride	300451	**4.990**	0.069	0.055	-27.3	**40**	IN	**PFB**
Methylene chloride	1485598	**4.580**	0.374	0.302	-24.1	**30**	IN	**PFB**
Carbon disulfide	2930469	**4.810**	0.703	0.627	-12.1	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1515270	**3.740**	0.468	0.392	-19.3	**30**	IN	**PFB**
Methyl tert butyl ether	2983232	**3.820**	0.901	0.836	-7.9	**40**	IN	**PFB**
Propionitrile	1814955	**6.510**	0.322	0.260	-23.8	**40**	IN	**PFB**
1,1-Dichloroethane	3192962	**4.380**	0.841	0.724	-16.2	**30**	IN	**PFB**
Ethyl tert butyl ether	2677445	**3.010**	1.027	0.977	-5.1	**40**	IN	**PFB**
Vinyl acetate	460421	**4.560**	0.117	0.110	-5.8	**40**	IN	**PFB**
2-Butanone (MEK)	960973	**5.280**	0.210	0.190	-10.5	**40**	IN	**PFB**
Diisopropyl ether	635011	**2.700**	0.271	0.258	-5.1	**40**	IN	**PFB**
Hexane	4343685	**3.830**	1.309	1.065	-22.9	**40**	IN	**PFB**
Methacrylonitrile	1028400	**4.980**	0.238	0.226	-5.3	**40**	IN	**PFB**
Ethyl acetate	337962	**4.540**	0.086	0.127	32.3	**40**	IN	**PFB**
Bromochloromethane	1698029	**2.760**	0.710	0.615	-15.4	**30**	IN	**PFB**

Compound	Area Astdl	Cal Level Cstdl ppbv	CCRRFl	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	1149182	**2.460**	0.539	0.482	-11.8	**40**	IN	**PFB**
Tetrahydrofuran	960973	**5.380**	0.206	0.188	-9.9	**40**	IN	**PFB**
Isobutyl alcohol	196410	**3.780**	0.060	0.048	-26.0	**40**	IN	**PFB**
cis-1,2-Dichloroethene	1946324	**4.720**	0.476	0.401	-18.6	**30**	IN	**PFB**
2,2-Dichloropropane	1970207	**4.620**	0.492	0.454	-8.4	**30**	IN	**PFB**
Chloroform	3087762	**4.770**	0.747	0.592	-26.2	**30**	IN	**PFB**
1,1,1-Trichloroethane	2288981	**4.210**	0.419	0.348	-20.5	**30**	IN	**14DFB**
1,2-Dichloroethane	1887130	**4.340**	0.335	0.322	-4.2	**30**	IN	**14DFB**
1,1-Dichloropropene	2285098	**3.420**	0.515	0.418	-23.1	**30**	IN	**14DFB**
Cyclohexane	3355641	**3.970**	0.651	0.550	-18.5	**30**	IN	**14DFB**
Benzene	6053427	**4.460**	1.046	0.984	-6.3	**30**	IN	**14DFB**
Carbon tetrachloride	1486960	**4.500**	0.255	0.224	-13.5	**30**	IN	**14DFB**
t-Amyl methyl ether	2384192	**2.300**	0.799	0.764	-4.6	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	7835121	**2.820**	2.141	1.663	-28.7	**30**	IN	**14DFB**
n-Heptane	1478708	**3.140**	0.363	0.306	-18.6	**30**	IN	**14DFB**
1,2-Dichloropropane	2589656	**4.580**	0.436	0.355	-22.7	**30**	IN	**14DFB**
1,4 Dioxane	2412198	**8.760**	0.212	0.212	0.0	**40**	IN	**14DFB**
Dibromomethane	806202	**1.950**	0.319	0.262	-21.8	**30**	IN	**14DFB**
Trichloroethene (TCE)	2427081	**4.430**	0.422	0.364	-16.0	**30**	IN	**14DFB**
Bromodichloromethane	1349330	**2.080**	0.500	0.410	-22.0	**40**	IN	**14DFB**
Methyl methacrylate	1346914	**3.510**	0.296	0.270	-9.7	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	2053726	**3.920**	0.404	0.326	-23.9	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	2517667	**4.550**	0.426	0.397	-7.4	**30**	IN	**14DFB**
Toluene	6530232	**4.580**	1.099	0.911	-20.5	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	2719970	**4.560**	0.460	0.411	-11.8	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1651391	**4.520**	0.282	0.231	-21.7	**30**	IN	**14DFB**
Ethyl methacrylate	1715576	**2.390**	0.553	0.477	-16.0	**40**	IN	**14DFB**
2-Hexanone	3141531	**3.680**	0.658	0.556	-18.2	**40**	IN	**14DFB**
1,3-Dichloropropane	2699271	**3.410**	0.610	0.576	-5.9	**30**	IN	**14DFB**
Octane	1534625	**2.830**	0.418	0.367	-13.8	**30**	IN	**14DFB**
Dibromochloromethane	1436993	**2.070**	0.535	0.426	-25.7	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	1898865	**2.310**	0.633	0.596	-6.3	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1407214	**2.310**	0.469	0.413	-13.6	**30**	IN	**14DFB**
Chlorobenzene	5747517	**4.330**	0.857	0.888	3.5	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	1040821	**2.150**	0.312	0.269	-16.2	**30**	IN	**d5CB**
Ethylbenzene	8577810	**4.640**	1.193	0.994	-20.0	**30**	IN	**d5CB**
m,p-Xylenes	7233213	**4.660**	1.002	0.842	-19.0	**30**	IN	**d5CB**
Nonane	3889104	**2.470**	1.016	0.844	-20.3	**30**	IN	**d5CB**
Styrene	4969718	**4.550**	0.705	0.617	-14.2	**30**	IN	**d5CB**
Bromoform	986920	**1.390**	0.458	0.371	-23.4	**40**	IN	**d5CB**
o-Xylene	7114512	**4.530**	1.014	0.860	-17.9	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	4315910	**2.350**	1.185	1.061	-11.7	**30**	IN	**d5CB**
1,2,3-Trichloropropane	981867	**2.550**	0.248	0.221	-12.7	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	629686	**2.890**	0.141	0.119	-18.0	**40**	IN	**d5CB**
n-Propylbenzene	9109798	**3.210**	1.831	1.450	-26.3	**30**	IN	**d5CB**
Isopropylbenzene	4768629	**3.240**	0.950	0.859	-10.6	**30**	IN	**d5CB**
4-Ethyltoluene	16735293	**7.770**	1.390	0.958	-45.1	**30**	OUT	**d5CB**
1,3,5-Trimethylbenzene	9367312	**4.540**	1.332	1.029	-29.5	**30**	IN	**d5CB**
Decane	6420701	**2.630**	1.575	1.258	-25.3	**30**	IN	**d5CB**
tert-butyl benzene	5616938	**2.860**	1.267	1.036	-22.4	**40**	IN	**d5CB**

Compound	Area Astdi	**Cal Level Cstdi ppbv**	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	**Quant IS**
1,2,4-Trimethylbenzene	9366795	**4.460**	1.355	1.056	-28.3	**30**	IN	**d5CB**
i-Butylbenzene	9098972	**2.850**	2.060	1.625	-26.8	**40**	IN	**d5CB**
sec-butylbenzene	8692374	**2.650**	2.117	1.547	-36.8	**40**	IN	**d5CB**
1,3-Dichlorobenzene	4740181	**3.520**	0.869	0.712	-22.1	**40**	IN	**d5CB**
Isopropyltoluene	7411739	**2.980**	1.605	1.290	-24.4	**40**	IN	**d5CB**
Benzyl chloride	4702521	**3.140**	0.966	0.842	-14.8	**40**	IN	**d5CB**
1,4-Dichlorobenzene	4553622	**3.290**	0.893	0.768	-16.3	**40**	IN	**d5CB**
n-Butylbenzene	12460082	**2.330**	3.451	2.233	-54.5	**40**	OUT	**d5CB**
1,2-Dichlorobenzene	5158757	**3.090**	1.077	0.886	-21.6	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	1494801	**2.940**	0.328	0.336	2.4	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	544303	**1.955**	0.180	0.200	10.2	**50**	IN	**d5CB**
Naphthalene	295682	**0.765**	0.249	0.440	43.3	**50**	IN	**d5CB**
1,2,3-Trichlorobenzene	544303	**2.455**	0.143	0.160	10.4	**50**	IN	**d5CB**
Hexachlorobutadiene	1061068	**1.260**	0.543	0.481	-13.1	**50**	IN	**d5CB**
1,1-Difluoroethane	3681507	**4.750**	0.500	0.344	-45.4	**50**	IN	**d5CB**
Pentafluorobenzene	4332074	**5.000**		0.000				
1,4-Difluorobenzene	6488622	**5.000**		0.000				
Chlorobenzene-d5	7747801	**5.000**		0.000				
Toluene-d8	3710838	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08076**		
File Name:	C08076A.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/7/26**	**Time:**	**7:47**
Anal Date:	7 Aug 126 7:47 am	**SF:**	**2**	**QCbatch:**	**0080726-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Thu Aug 06 13:47:55 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.778	1.69	42.00	2148130
75-71-8	Dichlorodifluoromethane	3	TRG	7.002	1.74	85.00	6257281
67-56-1	Methanol	4	TRG	9.193	2.49	31.00	3158691
74-87-3	Chloromethane	5	TRG	4.063	2.03	50.00	3056033
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	7.165	1.91	85.00	7047560
75-01-4	Vinyl chloride	7	TRG	6.145	2.07	62.00	3283939
106-99-0	1,3-Butadiene	8	TRG	5.555	2.17	54.00	1570438
74-83-9	Bromomethane	9	TRG	4.881	2.44	94.00	1398256
75-00-3	Chloroethane	10	TRG	4.134	2.68	64.00	935334
64-17-5	Ethanol	11	TRG	17.648	3.39	46.00	1504284
107-02-8	Acrolein	12	TRG	6.840	3.75	56.00	718490
75-69-4	Trichlorofluoromethane	13	TRG	5.279	2.78	101.00	2786616
67-64-1	Acetone	14	TRG	6.388	4.13	58.00	1118236
67-63-0	2-propanol (isopropylalcoh	15	TRG	8.057	3.99	45.00	6474035
75-65-0	t-Butyl alcohol	16	TRG	6.043	4.50	59.00	4687932
4227-95-6	Methyl iodide	17	TRG	1.443	3.51	142.00	434830
75-35-4	1,1-Dichloroethene	18	TRG	6.064	3.36	61.00	4162276
107-13-1	Acrylonitrile	19	TRG	5.829	4.96	53.00	1388989
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.897	3.45	151.00	1907028
107-05-1	Allyl chloride	21	TRG	6.352	2.88	76.00	300451
75-09-2	Methylene chloride	22	TRG	5.682	4.03	84.00	1485598
75-15-0	Carbon disulfide	23	TRG	5.393	3.45	76.00	2930469
156-60-5	trans-1,2-Dichloroethene	24	TRG	4.460	4.28	96.00	1515270
1634-04-4	Methyl tert butyl ether	25	TRG	4.121	4.42	73.00	2983232
107-12-0	Propionitrile	26	TRG	8.059	6.49	54.00	1814955
75-34-3	1,1-Dichloroethane	27	TRG	5.090	4.94	63.00	3192962
637-92-3	Ethyl tert butyl ether	28	TRG	3.164	5.22	59.00	2677445
108-05-4	Vinyl acetate	29	TRG	3.651	5.74	43.00	460421
78-93-3	2-Butanone (MEK)	30	TRG	5.833	6.18	72.00	960973
108-20-3	Diisopropyl ether	31	TRG	2.837	4.81	87.00	635011
110-54-3	Hexane	32	TRG	4.707	4.33	57.00	4343685
126-98-7	Methacrylonitrile	33	TRG	5.245	6.51	67.00	1028400
141-78-6	Ethyl acetate	34	TRG	3.074	6.71	61.00	337962
74-97-5	Bromochloromethane	35	TRG	3.185	5.76	49.00	1698029

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.751	5.98	55.00	1149182
109-99-9	Tetrahydrofuran	37	TRG	5.913	6.18	72.00	960973
78-83-1	Isobutyl alcohol	38	TRG	4.762	6.76	74.00	196410
156-59-2	cis-1,2-Dichloroethene	39	TRG	5.596	5.54	96.00	1946324
594-20-7	2,2-Dichloropropane	40	TRG	5.008	5.64	77.00	1970207
67-66-3	Chloroform	41	TRG	6.022	5.83	83.00	**3087762**
71-55-6	1,1,1-Trichloroethane	43	TRG	5.074	6.08	97.00	2288981
107-06-2	1,2-Dichloroethane	44	TRG	4.523	6.71	61.95	1887130
563-58-6	1,1-Dichloropropene	45	TRG	4.210	6.20	75.00	2285098
110-82-7	Cyclohexane	46	TRG	4.703	5.78	56.00	3355641
71-43-2	Benzene	47	TRG	4.742	6.49	78.00	6053427
56-23-5	Carbon tetrachloride	48	TRG	5.107	6.01	116.90	1486960
994-05-8	t-Amyl methyl ether	49	TRG	2.405	6.63	73.00	2384192
540-84-1	2,2,4-Trimethylpentane	50	TRG	3.630	6.34	57.00	7835121
142-82-5	n-Heptane	51	TRG	3.723	6.49	71.00	1478708
78-87-5	1,2-Dichloropropane	52	TRG	5.620	7.77	63.00	2589656
123-91-1	1,4 Dioxane	53	TRG	8.760	8.09	88.00	2412198
74-95-3	Dibromomethane	54	TRG	2.374	7.65	174.00	806202
79-01-6	Trichloroethene (TCE)	55	TRG	5.138	6.49	130.00	2427081
75-27-4	Bromodichloromethane	56	TRG	2.538	7.85	83.00	1349330
80-62-6	Methyl methacrylate	57	TRG	3.850	8.05	69.00	1346914
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	4.855	9.40	58.00	2053726
10061-01-5	cis-1,3-Dichloropropene	59	TRG	4.885	8.62	75.00	**2517667**
108-88-3	Toluene	61	TRG	5.521	8.92	91.00	6530232
10061-02-6	trans-1,3-Dichloropropene	62	TRG	5.097	9.43	75.00	2719970
79-00-5	1,1,2-Trichloroethane	63	TRG	5.500	9.63	61.00	1651391
97-63-2	Ethyl methacrylate	64	TRG	2.773	9.67	69.00	1715576
591-78-6	2-Hexanone	65	TRG	4.351	10.50	58.00	3141531
142-28-9	1,3-Dichloropropane	66	TRG	3.611	10.00	76.00	2699271
111-65-9	Octane	67	TRG	3.220	8.72	85.00	1534625
124-48-1	Dibromochloromethane	68	TRG	2.602	9.87	129.00	1436993
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	2.455	10.18	107.00	1898865
127-18-4	Tetrachloroethene (PCE)	70	TRG	2.625	9.41	166.00	1407214
108-90-7	Chlorobenzene	72	TRG	5.118	10.91	112.00	5747517
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	2.499	11.00	131.00	1040821
100-41-4	Ethylbenzene	74	TRG	5.568	10.94	106	8577810
1330-20-7	m,p-Xylenes	75	TRG	5.546	11.15	91.00	7233213
111-84-2	Nonane	76	TRG	2.972	10.86	57.00	3889104
100-42-5	Styrene	77	TRG	5.197	11.83	104.00	4969718
75-25-2	Bromoform	78	TRG	1.716	11.86	173.00	986920
95-47-6	o-Xylene	79	TRG	5.339	11.72	91.00	7114512
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.626	12.92	83.00	4315910
96-18-4	1,2,3-Trichloropropane	81	TRG	2.873	13.12	110.00	981867
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	2.723	13.21	53.00	629686
103-65-1	n-Propylbenzene	83	TRG	4.053	12.83	91.00	9109798
98-82-8	Isopropylbenzene	84	TRG	3.583	12.24	105.00	4768629
622-96-8	4-Ethyltoluene	85	TRG	11.275	13.00	105.00	16735293
108-67-8	1,3,5-Trimethylbenzene	86	TRG	5.877	13.12	105.00	9367312
124-18-5	Decane	87	TRG	3.294	12.85	57.00	6420701
98-06-6	tert-butyl benzene	88	TRG	3.500	13.61	119.00	5616938

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	5.724	13.71	105.00	9366795
538-93-2	i-Butylbenzene	90	TRG	3.613	13.89	91.00	9098972
135-98-8	sec-butylbenzene	91	TRG	3.626	13.87	105.00	8692374
541-73-1	1,3-Dichlorobenzene	92	TRG	4.297	14.19	146.00	4740181
99-87-6	Isopropyltoluene	93	TRG	3.707	14.10	119.00	7411739
100-44-7	Benzyl chloride	94	TRG	3.603	13.31	91.00	4702521
106-46-7	1,4-Dichlorobenzene	95	TRG	3.827	14.34	146.00	4553622
104-51-8	n-Butylbenzene	96	TRG	3.601	14.76	91.00	12460082
95-50-1	1,2-Dichlorobenzene	97	TRG	3.756	15.01	146.00	5158757
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	2.870	16.27	75.00	1494801
120-82-1	1,2,4-Trichlorobenzene	99	TRG	1.755	17.40	180.00	544303
91-20-3	Naphthalene	100	TRG	0.434	17.95	128.00	295682
87-61-6	1,2,3-Trichlorobenzene	101	TRG	2.200	17.42	180.00	544303
87-68-3	Hexachlorobutadiene	102	TRG	1.425	17.33	225.00	1061068
75-37-6	1,1-Difluoroethane	103	TRG	6.908	1.81	51.00	3681507
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4332074**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6488622**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7747801**
2037-26-5	Toluene-d8	61	SURR	2.541	8.85	98.00	**3710838**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		**Sample Calculation:**
QC_Batch:	**0081026-MA1**		1) CCRFi = $\frac{(Astdi)\ (Clstdi)}{(Cstdi)\ (Alstdi)}$ i
Sample ID:	ST62126		
Sample Analysis Date:	10 Aug 126 7:45 am		
Run Method:	B1563_C.M		CCRFi is the Continuing Calibration RF
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	PFB - Pentafluorobenzene
			14DFB - 1,4-Difluorobenzene
A passing calibration can have (10%) or 10 compounds out			d5CB - d5-Chlorobenzene

Compound	Area Astdi	**Cal Level Cstdi ppbv**	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	**Quant IS**
Propylene	2106600	**4.750**	0.335	0.429	22.0	**30**	IN	**PFB**
Dichlorodifluoromethane	7411022	**4.750**	1.178	0.986	-19.4	**30**	IN	**PFB**
Methanol	3318739	**7.870**	0.318	0.397	19.7	**50**	IN	**PFB**
Chloromethane	4097441	**4.750**	0.651	0.699	6.8	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	7411022	**4.750**	1.178	1.135	-3.7	**30**	IN	**PFB**
Vinyl chloride	37779	**4.750**	0.006	0.617	99.0	**30**	OUT	**PFB**
1,3-Butadiene	1900508	**4.750**	0.302	0.326	7.4	**30**	IN	**PFB**
Bromomethane	2013909	**4.750**	0.320	0.331	3.2	**30**	IN	**PFB**
Chloroethane	1276983	**4.750**	0.203	0.204	0.8	**30**	IN	**PFB**
Ethanol	1625401	**16.040**	0.076	0.098	22.3	**50**	IN	**PFB**
Acrolein	802402	**6.890**	0.088	0.121	27.5	**30**	IN	**PFB**
Trichlorofluoromethane	3282744	**4.560**	0.543	0.609	10.8	**30**	IN	**PFB**
Acetone	1100778	**6.380**	0.130	0.202	35.5	**40**	IN	**PFB**
2-propanol (Isopropylalcohol)	6321862	**6.140**	0.777	0.927	16.2	**50**	IN	**PFB**
t-Butyl alcohol	4430563	**4.560**	0.733	0.895	18.1	**40**	IN	**PFB**
Methyl Iodide	391954	**1.390**	0.213	0.305	30.1	**30**	OUT	**PFB**
1,1-Dichloroethene	4265799	**4.350**	0.740	0.932	20.6	**30**	IN	**PFB**
Acrylonitrile	1551670	**5.270**	0.222	0.275	19.2	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	2053813	**4.200**	0.369	0.449	17.9	**30**	IN	**PFB**
Allyl chloride	388907	**4.990**	0.059	0.055	-7.7	**40**	IN	**PFB**
Methylene chloride	1407190	**4.580**	0.232	0.302	23.2	**30**	IN	**PFB**
Carbon disulfide	3108482	**4.810**	0.488	0.627	22.2	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1481198	**3.740**	0.299	0.392	23.8	**30**	IN	**PFB**
Methyl tert butyl ether	2844286	**3.820**	0.562	0.836	32.7	**40**	IN	**PFB**
Propionitrile	1768672	**6.510**	0.205	0.260	21.1	**40**	IN	**PFB**
1,1-Dichloroethane	3855828	**4.380**	0.664	0.724	8.2	**30**	IN	**PFB**
Ethyl tert butyl ether	2682045	**3.010**	0.673	0.977	31.1	**40**	IN	**PFB**
Vinyl acetate	530470	**4.560**	0.088	0.110	20.3	**40**	IN	**PFB**
2-Butanone (MEK)	970923	**5.280**	0.139	0.190	27.0	**40**	IN	**PFB**
Diisopropyl ether	723162	**2.700**	0.202	0.258	21.7	**40**	IN	**PFB**
Hexane	4004606	**3.830**	0.789	1.065	25.9	**40**	IN	**PFB**
Methacrylonitrile	1001163	**4.980**	0.152	0.226	33.0	**40**	IN	**PFB**
Ethyl acetate	325650	**4.540**	0.054	0.127	57.3	**40**	OUT	**PFB**
Bromochloromethane	2108306	**2.760**	0.577	0.615	6.3	**30**	IN	**PFB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	1180058	**2.460**	0.362	0.482	24.9	**40**	IN	**PFB**
Tetrahydrofuran	970923	**5.380**	0.136	0.188	27.4	**40**	IN	**PFB**
Isobutyl alcohol	215954	**3.780**	0.043	0.048	9.4	**40**	IN	**PFB**
cis-1,2-Dichloroethene	1984038	**4.720**	0.317	0.401	21.0	**30**	IN	**PFB**
2,2-Dichloropropane	2013278	**4.620**	0.329	0.454	27.6	**30**	IN	**PFB**
Chloroform	3590762	**4.770**	0.568	0.592	4.0	**30**	IN	**PFB**
1,1,1-Trichloroethane	2500113	**4.210**	0.302	0.348	13.1	**30**	IN	**14DFB**
1,2-Dichloroethane	2570536	**4.340**	0.301	0.322	6.3	**30**	IN	**14DFB**
1,1-Dichloropropene	2342457	**3.420**	0.348	0.418	16.7	**30**	IN	**14DFB**
Cyclohexane	3464333	**3.970**	0.444	0.550	19.3	**30**	IN	**14DFB**
Benzene	6363641	**4.460**	0.726	0.984	26.2	**30**	IN	**14DFB**
Carbon tetrachloride	1858817	**4.500**	0.210	0.224	6.4	**30**	IN	**14DFB**
t-Amyl methyl ether	2365111	**2.300**	0.523	0.764	31.6	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	7718196	**2.820**	1.392	1.663	16.3	**30**	IN	**14DFB**
n-Heptane	1531430	**3.140**	0.248	0.306	19.0	**30**	IN	**14DFB**
1,2-Dichloropropane	2567948	**4.580**	0.285	0.355	19.7	**30**	IN	**14DFB**
1,4 Dioxane	2075913	**8.760**	0.121	0.212	43.2	**40**	OUT	**14DFB**
Dibromomethane	868248	**1.950**	0.226	0.262	13.5	**30**	IN	**14DFB**
Trichloroethene (TCE)	2460794	**4.430**	0.282	0.364	22.4	**30**	IN	**14DFB**
Bromodichloromethane	1317960	**2.080**	0.322	0.410	21.3	**40**	IN	**14DFB**
Methyl methacrylate	1409389	**3.510**	0.204	0.270	24.3	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	2038568	**3.920**	0.264	0.326	18.9	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	2495541	**4.550**	0.279	0.397	29.8	**30**	IN	**14DFB**
Toluene	7177903	**4.580**	0.797	0.911	12.6	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	2786607	**4.560**	0.311	0.411	24.4	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1615834	**4.520**	0.182	0.231	21.4	**30**	IN	**14DFB**
Ethyl methacrylate	1688285	**2.390**	0.359	0.477	24.7	**40**	IN	**14DFB**
2-Hexanone	2949342	**3.680**	0.408	0.556	26.7	**40**	IN	**14DFB**
1,3-Dichloropropane	2730907	**3.410**	0.407	0.576	29.3	**30**	IN	**14DFB**
Octane	1555393	**2.830**	0.279	0.367	23.9	**30**	IN	**14DFB**
Dibromochloromethane	1480262	**2.070**	0.364	0.426	14.6	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	1983346	**2.310**	0.437	0.596	26.8	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1502103	**2.310**	0.331	0.413	20.0	**30**	IN	**14DFB**
Chlorobenzene	5906108	**4.330**	0.675	0.888	24.0	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	1062813	**2.150**	0.245	0.269	9.0	**30**	IN	**d5CB**
Ethylbenzene	9057149	**4.640**	0.966	0.994	2.8	**30**	IN	**d5CB**
m,p-Xylenes	7870590	**4.660**	0.836	0.842	0.7	**30**	IN	**d5CB**
Nonane	4160093	**2.470**	0.834	0.844	1.3	**30**	IN	**d5CB**
Styrene	5345284	**4.550**	0.581	0.617	5.8	**30**	IN	**d5CB**
Bromoform	1016238	**1.390**	0.362	0.371	2.5	**40**	IN	**d5CB**
o-Xylene	7697432	**4.530**	0.841	0.860	2.2	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	4527998	**2.350**	0.954	1.061	10.1	**30**	IN	**d5CB**
1,2,3-Trichloropropane	1002959	**2.550**	0.195	0.221	11.7	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	1129805	**2.890**	0.193	0.119	-62.4	**40**	OUT	**d5CB**
n-Propylbenzene	9790335	**3.210**	1.509	1.450	-4.1	**30**	IN	**d5CB**
Isopropylbenzene	5028239	**3.240**	0.768	0.859	10.6	**30**	IN	**d5CB**
4-Ethyltoluene	18231742	**7.770**	1.161	0.958	-21.2	**30**	IN	**d5CB**
1,3,5-Trimethylbenzene	10133485	**4.540**	1.105	1.029	-7.4	**30**	IN	**d5CB**
Decane	7168834	**2.630**	1.349	1.258	-7.3	**30**	IN	**d5CB**
tert-butyl benzene	5914550	**2.860**	1.024	1.036	1.2	**40**	IN	**d5CB**

Compound	Area Astdl	Cal Level Cstdi ppbv	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	10163748	**4.460**	1.128	1.056	-6.8	**30**	IN	**d5CB**
i-Butylbenzene	9854848	**2.850**	1.711	1.625	-5.3	**40**	IN	**d5CB**
sec-butylbenzene	9979322	**2.650**	1.864	1.547	-20.5	**40**	IN	**d5CB**
1,3-Dichlorobenzene	5272301	**3.520**	0.741	0.712	-4.1	**40**	IN	**d5CB**
Isopropyltoluene	8023537	**2.980**	1.333	1.290	-3.3	**40**	IN	**d5CB**
Benzyl chloride	5060824	**3.140**	0.798	0.842	5.3	**40**	IN	**d5CB**
1,4-Dichlorobenzene	5222474	**3.290**	0.786	0.768	-2.3	**40**	IN	**d5CB**
n-Butylbenzene	14800639	**2.330**	3.144	2.233	-40.8	**40**	OUT	**d5CB**
1,2-Dichlorobenzene	5702766	**3.090**	0.913	0.886	-3.1	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	1689660	**2.940**	0.284	0.336	15.4	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	785534	**1.955**	0.199	0.200	0.6	**50**	IN	**d5CB**
Naphthalene	350628	**0.765**	0.227	0.440	48.5	**50**	IN	**d5CB**
1,2,3-Trichlorobenzene	785534	**2.455**	0.158	0.160	0.8	**50**	IN	**d5CB**
Hexachlorobutadiene	1352546	**1.260**	0.531	0.481	-10.5	**50**	IN	**d5CB**
1,1-Difluoroethane	3627890	**4.750**	0.378	0.344	-9.9	**50**	IN	**d5CB**
Pentafluorobenzene	6624191	**5.000**		0.000				
1,4-Difluorobenzene	9832804	**5.000**		0.000				
Chlorobenzene-d5	10102639	**5.000**		0.000				
Toluene-d8	5344228	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08106**		
File Name:	C08106AD.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/10/26**	**Time:**	**7:45**
Anal Date:	10 Aug 126 7:45 am	**SF:**	**2**	**QCbatch:**	**0081026-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	3.706	1.69	42.00	2106600
75-71-8	Dichlorodifluoromethane	3	TRG	4.969	1.74	85.00	7411022
67-56-1	Methanol	4	TRG	6.317	2.49	31.00	3318739
74-87-3	Chloromethane	5	TRG	4.427	2.03	50.00	4097441
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	4.928	1.91	85.00	7411022
75-01-4	Vinyl chloride	7	TRG	0.046	2.07	62.00	37779
106-99-0	1,3-Butadiene	8	TRG	4.396	2.17	54.00	1900508
74-83-9	Bromomethane	9	TRG	4.597	2.44	94.00	2013909
75-00-3	Chloroethane	10	TRG	3.688	2.68	64.00	1276983
64-17-5	Ethanol	11	TRG	12.470	3.39	46.00	1625401
107-02-8	Acrolein	12	TRG	4.995	3.75	56.00	802402
75-69-4	Trichlorofluoromethane	13	TRG	4.067	2.78	101.00	3282744
67-64-1	Acetone	14	TRG	4.112	4.13	58.00	1100778
67-63-0	2-propanol (isopropylalcoh	15	TRG	5.145	3.99	45.00	6321862
75-65-0	t-Butyl alcohol	16	TRG	3.735	4.50	59.00	4430563
4227-95-6	Methyl iodide	17	TRG	0.874	3.51	142.00	391954
75-35-4	1,1-Dichloroethene	18	TRG	3.209	3.36	61.00	4265799
107-13-1	Acrylonitrile	19	TRG	4.258	4.96	53.00	1551670
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	3.449	3.45	151.00	2053813
107-05-1	Allyl chloride	21	TRG	5.377	2.88	76.00	388907
75-09-2	Methylene chloride	22	TRG	3.520	4.03	84.00	1407190
75-15-0	Carbon disulfide	23	TRG	3.741	3.45	76.00	3108482
156-60-5	trans-1,2-Dichloroethene	24	TRG	2.851	4.28	96.00	1481198
1634-04-4	Methyl tert butyl ether	25	TRG	2.569	4.42	73.00	2844286
107-12-0	Propionitrile	26	TRG	5.136	6.49	54.00	1768672
75-34-3	1,1-Dichloroethane	27	TRG	4.020	4.94	63.00	3855828
637-92-3	Ethyl tert butyl ether	28	TRG	2.073	5.22	59.00	2682045
108-05-4	Vinyl acetate	29	TRG	2.781	5.74	43.00	530470
78-93-3	2-Butanone (MEK)	30	TRG	3.854	6.18	72.00	970923
108-20-3	Diisopropyl ether	31	TRG	2.113	4.81	87.00	723162
110-54-3	Hexane	32	TRG	2.838	4.33	57.00	4004606
126-98-7	Methacrylonitrile	33	TRG	3.339	6.51	67.00	1001163
141-78-6	Ethyl acetate	34	TRG	1.937	6.71	61.00	325650
74-97-5	Bromochloromethane	35	TRG	2.586	5.76	49.00	2108306

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	1.847	5.98	55.00	1180058
109-99-9	Tetrahydrofuran	37	TRG	3.907	6.18	72.00	970923
78-83-1	Isobutyl alcohol	38	TRG	3.424	6.76	74.00	215954
156-59-2	cis-1,2-Dichloroethene	39	TRG	3.730	5.54	96.00	1984038
594-20-7	2,2-Dichloropropane	40	TRG	3.347	5.64	77.00	2013278
67-66-3	Chloroform	41	TRG	4.580	5.83	83.00	**3590762**
71-55-6	1,1,1-Trichloroethane	43	TRG	3.657	6.08	97.00	2500113
107-06-2	1,2-Dichloroethane	44	TRG	4.065	6.71	61.95	2570536
563-58-6	1,1-Dichloropropene	45	TRG	2.848	6.20	75.00	2342457
110-82-7	Cyclohexane	46	TRG	3.204	5.78	56.00	3464333
71-43-2	Benzene	47	TRG	3.290	6.49	78.00	6363641
56-23-5	Carbon tetrachloride	48	TRG	4.213	6.01	116.90	1858817
994-05-8	t-Amyl methyl ether	49	TRG	1.574	6.63	73.00	2365111
540-84-1	2,2,4-Trimethylpentane	50	TRG	2.359	6.34	57.00	7718196
142-82-5	n-Heptane	51	TRG	2.544	6.49	71.00	1531430
78-87-5	1,2-Dichloropropane	52	TRG	3.678	7.77	63.00	2567948
123-91-1	1,4 Dioxane	53	TRG	4.975	8.09	88.00	2075913
74-95-3	Dibromomethane	54	TRG	1.688	7.65	174.00	868248
79-01-6	Trichloroethene (TCE)	55	TRG	3.438	6.49	130.00	2460794
75-27-4	Bromodichloromethane	56	TRG	1.636	7.85	83.00	1317960
80-62-6	Methyl methacrylate	57	TRG	2.658	8.05	69.00	1409389
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	3.180	9.40	58.00	2038568
10061-01-5	cis-1,3-Dichloropropene	59	TRG	3.195	8.62	75.00	**2495541**
108-88-3	Toluene	61	TRG	4.005	8.92	91.00	7177903
10061-02-6	trans-1,3-Dichloropropene	62	TRG	3.446	9.43	75.00	2786607
79-00-5	1,1,2-Trichloroethane	63	TRG	3.551	9.63	61.00	1615834
97-63-2	Ethyl methacrylate	64	TRG	1.801	9.67	69.00	1688285
591-78-6	2-Hexanone	65	TRG	2.696	10.50	58.00	2949342
142-28-9	1,3-Dichloropropane	66	TRG	2.411	10.00	76.00	2730907
111-65-9	Octane	67	TRG	2.153	8.72	85.00	1555393
124-48-1	Dibromochloromethane	68	TRG	1.768	9.87	129.00	1480262
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	1.692	10.18	107.00	1983346
127-18-4	Tetrachloroethene (PCE)	70	TRG	1.849	9.41	166.00	1502103
108-90-7	Chlorobenzene	72	TRG	4.033	10.91	112.00	5906108
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	1.957	11.00	131.00	1062813
100-41-4	Ethylbenzene	74	TRG	4.509	10.94	106	9057149
1330-20-7	m,p-Xylenes	75	TRG	4.628	11.15	91.00	7870590
111-84-2	Nonane	76	TRG	2.438	10.86	57.00	4160093
100-42-5	Styrene	77	TRG	4.287	11.83	104.00	5345284
75-25-2	Bromoform	78	TRG	1.355	11.86	173.00	1016238
95-47-6	o-Xylene	79	TRG	4.430	11.74	91.00	7697432
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.113	12.92	83.00	4527998
96-18-4	1,2,3-Trichloropropane	81	TRG	2.251	13.12	110.00	1002959
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	3.646	13.21	53.00	1129805
103-65-1	n-Propylbenzene	83	TRG	3.341	12.83	91.00	9790335
98-82-8	Isopropylbenzene	84	TRG	2.897	12.24	105.00	5028239
622-96-8	4-Ethyltoluene	85	TRG	9.420	13.00	105.00	18231742
108-67-8	1,3,5-Trimethylbenzene	86	TRG	4.876	13.12	105.00	10133485
124-18-5	Decane	87	TRG	2.821	12.85	57.00	7168834
98-06-6	tert-butyl benzene	88	TRG	2.827	13.61	119.00	5914550

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	4.763	13.71	105.00	10163748
538-93-2	i-Butylbenzene	90	TRG	3.001	13.89	91.00	9854848
135-98-8	sec-butylbenzene	91	TRG	3.193	13.87	105.00	9979322
541-73-1	1,3-Dichlorobenzene	92	TRG	3.665	14.19	146.00	5272301
99-87-6	Isopropyltoluene	93	TRG	3.077	14.10	119.00	8023537
100-44-7	Benzyl chloride	94	TRG	2.974	13.31	91.00	5060824
106-46-7	1,4-Dichlorobenzene	95	TRG	3.366	14.34	146.00	5222474
104-51-8	n-Butylbenzene	96	TRG	3.280	14.76	91.00	14800639
95-50-1	1,2-Dichlorobenzene	97	TRG	3.185	15.01	146.00	5702766
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	2.488	16.27	75.00	1689660
120-82-1	1,2,4-Trichlorobenzene	99	TRG	1.943	17.40	180.00	785534
91-20-3	Naphthalene	100	TRG	0.394	17.95	128.00	350628
87-61-6	1,2,3-Trichlorobenzene	101	TRG	2.434	17.42	180.00	785534
87-68-3	Hexachlorobutadiene	102	TRG	1.393	17.33	225.00	1352546
75-37-6	1,1-Difluoroethane	103	TRG	5.220	1.85	51.00	3627890
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6624191**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9832804**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10102639**
2037-26-5	Toluene-d8	61	SURR	2.415	8.85	98.00	**5344228**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		**Sample Calculation:**
QC_Batch:	**0081126-MA1**		1) CCRFI = $\left\lvert \frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Alstdi)} \right\rvert$ i
Sample ID:	ST62126		
Sample Analysis Date:	11 Aug 126 7:47 am		
Run Method:	B1563_C.M		CCRFI is the Continuing Calibration RF
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	PFB - Pentafluorobenzene
			14DFB - 1,4-Difluorobenzene
A passing calibration can have (10%) or 10 compounds out			d5CB - d5-Chlorobenzene

Compound	Area Astdi	**Cal Level Cstdi ppbv**	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	**Quant IS**
Propylene	2220162	**4.750**	0.476	0.429	-11.0	**30**	IN	**PFB**
Dichlorodifluoromethane	6551559	**4.750**	1.405	0.986	-42.5	**30**	OUT	**PFB**
Methanol	2725685	**7.870**	0.353	0.397	11.0	**50**	IN	**PFB**
Chloromethane	3895122	**4.750**	0.835	0.699	-19.6	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	6551559	**4.750**	1.405	1.135	-23.8	**30**	IN	**PFB**
Vinyl chloride	3144364	**4.750**	0.674	0.617	-9.3	**30**	IN	**PFB**
1,3-Butadiene	1459928	**4.750**	0.313	0.326	4.1	**30**	IN	**PFB**
Bromomethane	1488419	**4.750**	0.319	0.331	3.5	**30**	IN	**PFB**
Chloroethane	1011713	**4.750**	0.217	0.204	-6.1	**30**	IN	**PFB**
Ethanol	1440329	**16.040**	0.091	0.098	7.0	**50**	IN	**PFB**
Acrolein	692560	**6.890**	0.102	0.121	15.6	**30**	IN	**PFB**
Trichlorofluoromethane	2962953	**4.560**	0.662	0.609	-8.6	**30**	IN	**PFB**
Acetone	990138	**6.380**	0.158	0.202	21.8	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	5615116	**6.140**	0.932	0.927	-0.4	**50**	IN	**PFB**
t-Butyl alcohol	3881936	**4.560**	0.867	0.895	3.1	**40**	IN	**PFB**
Methyl iodide	296571	**1.390**	0.217	0.305	28.7	**30**	IN	**PFB**
1,1-Dichloroethene	4065469	**4.350**	0.952	0.932	-2.2	**30**	IN	**PFB**
Acrylonitrile	1352151	**5.270**	0.261	0.275	5.0	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	1820393	**4.200**	0.441	0.449	1.8	**30**	IN	**PFB**
Allyl chloride	323810	**4.990**	0.066	0.055	-21.1	**40**	IN	**PFB**
Methylene chloride	1268018	**4.580**	0.282	0.302	6.5	**30**	IN	**PFB**
Carbon disulfide	2495123	**4.810**	0.528	0.627	15.7	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1320576	**3.740**	0.360	0.392	8.3	**30**	IN	**PFB**
Methyl tert butyl ether	2427691	**3.820**	0.647	0.836	22.5	**40**	IN	**PFB**
Propionitrile	1640314	**6.510**	0.257	0.260	1.3	**40**	IN	**PFB**
1,1-Dichloroethane	3305048	**4.380**	0.769	0.724	-6.2	**30**	IN	**PFB**
Ethyl tert butyl ether	2289272	**3.010**	0.775	0.977	20.7	**40**	IN	**PFB**
Vinyl acetate	452878	**4.560**	0.101	0.110	8.2	**40**	IN	**PFB**
2-Butanone (MEK)	859634	**5.280**	0.166	0.190	12.8	**40**	IN	**PFB**
Diisopropyl ether	593542	**2.700**	0.224	0.258	13.3	**40**	IN	**PFB**
Hexane	3393599	**3.830**	0.903	1.065	15.3	**40**	IN	**PFB**
Methacrylonitrile	949420	**4.980**	0.194	0.226	14.2	**40**	IN	**PFB**
Ethyl acetate	278111	**4.540**	0.062	0.127	50.8	**40**	OUT	**PFB**
Bromochloromethane	1703920	**2.760**	0.629	0.615	-2.2	**30**	IN	**PFB**

Compound	Area Astdl	Cal Level Cstdl ppbv	CCRRFl	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	1062366	2.460	0.440	0.482	8.8	40	IN	PFB
Tetrahydrofuran	859634	5.380	0.163	0.188	13.2	40	IN	PFB
Isobutyl alcohol	176452	3.780	0.048	0.048	0.1	40	IN	PFB
cis-1,2-Dichloroethene	1763837	4.720	0.381	0.401	5.2	30	IN	PFB
2,2-Dichloropropane	1766602	4.620	0.389	0.454	14.2	30	IN	PFB
Chloroform	2950332	4.770	0.630	0.592	-6.5	30	IN	PFB
1,1,1-Trichloroethane	2013361	4.210	0.287	0.348	17.5	30	IN	14DFB
1,2-Dichloroethane	2112724	4.340	0.292	0.322	9.2	30	IN	14DFB
1,1-Dichloropropene	1999964	3.420	0.351	0.418	16.1	30	IN	14DFB
Cyclohexane	3028447	3.970	0.458	0.550	16.7	30	IN	14DFB
Benzene	5887949	4.460	0.792	0.984	19.5	30	IN	14DFB
Carbon tetrachloride	1634446	4.500	0.218	0.224	2.9	30	IN	14DFB
t-Amyl methyl ether	2088189	2.300	0.545	0.764	28.7	40	IN	14DFB
2,2,4-Trimethylpentane	6891677	2.820	1.466	1.663	11.8	30	IN	14DFB
n-Heptane	1336472	3.140	0.255	0.306	16.6	30	IN	14DFB
1,2-Dichloropropane	2150679	4.580	0.282	0.355	20.6	30	IN	14DFB
1,4 Dioxane	2179796	8.760	0.149	0.212	29.6	40	IN	14DFB
Dibromomethane	696586	1.950	0.214	0.262	18.1	30	IN	14DFB
Trichloroethene (TCE)	2202104	4.430	0.298	0.364	18.1	30	IN	14DFB
Bromodichloromethane	1204867	2.080	0.348	0.410	15.2	40	IN	14DFB
Methyl methacrylate	1271343	3.510	0.217	0.270	19.4	40	IN	14DFB
4-Methyl-2-pentanone (MIBK)	1926083	3.920	0.295	0.326	9.6	40	IN	14DFB
cis-1,3-Dichloropropene	2286777	4.550	0.302	0.397	24.1	30	IN	14DFB
Toluene	6018564	4.580	0.788	0.911	13.5	30	IN	14DFB
trans-1,3-Dichloropropene	2533141	4.560	0.333	0.411	18.9	30	IN	14DFB
1,1,2-Trichloroethane	1454751	4.520	0.193	0.231	16.5	30	IN	14DFB
Ethyl methacrylate	1556182	2.390	0.391	0.477	18.1	40	IN	14DFB
2-Hexanone	2675855	3.680	0.436	0.556	21.6	40	IN	14DFB
1,3-Dichloropropane	2495123	3.410	0.439	0.576	23.8	30	IN	14DFB
Octane	1372270	2.830	0.291	0.367	20.8	30	IN	14DFB
Dibromochloromethane	1387024	2.070	0.402	0.426	5.5	40	IN	14DFB
1,2-Dibromoethane (EDB)	1786230	2.310	0.464	0.596	22.2	30	IN	14DFB
Tetrachloroethene (PCE)	1345343	2.310	0.349	0.413	15.4	30	IN	14DFB
Chlorobenzene	5382725	4.330	0.599	0.888	32.5	30	OUT	d5CB
1,1,1,2-Tetrachloroethane	1006638	2.150	0.226	0.269	16.0	30	IN	d5CB
Ethylbenzene	8052964	4.640	0.837	0.994	15.9	30	IN	d5CB
m,p-Xylenes	6897934	4.660	0.713	0.842	15.2	30	IN	d5CB
Nonane	3442817	2.470	0.672	0.844	20.4	30	IN	d5CB
Styrene	4789604	4.550	0.507	0.617	17.8	30	IN	d5CB
Bromoform	942900	1.390	0.327	0.371	11.9	40	IN	d5CB
o-Xylene	6682945	4.530	0.711	0.860	17.3	30	IN	d5CB
1,1,2,2-Tetrachloroethane	4198151	2.350	0.861	1.061	18.8	30	IN	d5CB
1,2,3-Trichloropropane	935684	2.550	0.177	0.221	19.8	30	IN	d5CB
t-1,4-Dichloro-2-butene	992081	2.890	0.165	0.119	-38.9	40	IN	d5CB
n-Propylbenzene	8373747	3.210	1.257	1.450	13.3	30	IN	d5CB
Isopropylbenzene	4298253	3.240	0.639	0.859	25.6	30	IN	d5CB
4-Ethyltoluene	16000256	7.770	0.993	0.958	-3.6	30	IN	d5CB
1,3,5-Trimethylbenzene	8745312	4.540	0.928	1.029	9.7	30	IN	d5CB
Decane	5885501	2.630	1.079	1.258	14.2	30	IN	d5CB
tert-butyl benzene	4842206	2.860	0.816	1.036	21.2	40	IN	d5CB

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	8727630	**4.460**	0.943	1.056	10.7	**30**	IN	**d5CB**
I-Butylbenzene	8144968	**2.850**	1.378	1.625	15.2	**40**	IN	**d5CB**
sec-butylbenzene	8322253	**2.650**	1.514	1.547	2.1	**40**	IN	**d5CB**
1,3-Dichlorobenzene	4166865	**3.520**	0.571	0.712	19.8	**40**	IN	**d5CB**
Isopropyltoluene	6678837	**2.980**	1.080	1.290	16.3	**40**	IN	**d5CB**
Benzyl chloride	4292483	**3.140**	0.659	0.842	21.8	**40**	IN	**d5CB**
1,4-Dichlorobenzene	4056029	**3.290**	0.594	0.768	22.6	**40**	IN	**d5CB**
n-Butylbenzene	11909620	**2.330**	2.464	2.233	-10.3	**40**	IN	**d5CB**
1,2-Dichlorobenzene	4720268	**3.090**	0.736	0.886	16.9	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	1219472	**2.940**	0.200	0.336	40.5	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	426106	**1.955**	0.105	0.200	47.5	**50**	IN	**d5CB**
Naphthalene	209012	**0.765**	0.132	0.440	70.1	**50**	OUT	**d5CB**
1,2,3-Trichlorobenzene	426106	**2.455**	0.084	0.160	47.6	**50**	IN	**d5CB**
Hexachlorobutadiene	1035550	**1.260**	0.396	0.481	17.6	**50**	IN	**d5CB**
1,1-Difluoroethane	3541346	**4.750**	0.359	0.344	-4.5	**50**	IN	**d5CB**
Pentafluorobenzene	4908672	**5.000**		0.000				
1,4-Difluorobenzene	8333044	**5.000**		0.000				
Chlorobenzene-d5	10373368	**5.000**		0.000				
Toluene-d8	6150487	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08116**		
File Name:	C08116AD.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/11/26**	**Time:**	**7:47**
Anal Date:	11 Aug 126 7:47 am	**SF:**	**2**	**QCbatch:**	**0081126-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.271	1.69	42.00	2220162
75-71-8	Dichlorodifluoromethane	3	TRG	6.256	1.74	85.00	6551559
67-56-1	Methanol	4	TRG	7.001	2.49	31.00	2725685
74-87-3	Chloromethane	5	TRG	5.679	2.03	50.00	3895122
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	5.879	1.91	85.00	6551559
75-01-4	Vinyl chloride	7	TRG	5.192	2.07	62.00	3144364
106-99-0	1,3-Butadiene	8	TRG	4.557	2.17	54.00	1459928
74-83-9	Bromomethane	9	TRG	4.585	2.44	94.00	1488419
75-00-3	Chloroethane	10	TRG	3.943	2.68	64.00	1011713
64-17-5	Ethanol	11	TRG	14.913	3.39	46.00	1440329
107-02-8	Acrolein	12	TRG	5.818	3.75	56.00	692560
75-69-4	Trichlorofluoromethane	13	TRG	4.953	2.78	101.00	2962953
67-64-1	Acetone	14	TRG	4.992	4.13	58.00	990138
67-63-0	2-propanol (isopropylalcoh	15	TRG	6.167	3.99	45.00	5615116
75-65-0	t-Butyl alcohol	16	TRG	4.416	4.50	59.00	3881936
4227-95-6	Methyl iodide	17	TRG	0.890	3.51	142.00	296571
75-35-4	1,1-Dichloroethene	18	TRG	4.869	3.36	61.00	4065469
107-13-1	Acrylonitrile	19	TRG	5.008	4.96	53.00	1352151
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.126	3.45	151.00	1820393
107-05-1	Allyl chloride	21	TRG	6.041	2.88	76.00	323810
75-09-2	Methylene chloride	22	TRG	4.280	4.03	84.00	1268018
75-15-0	Carbon disulfide	23	TRG	4.053	3.45	76.00	2495123
156-60-5	trans-1,2-Dichloroethene	24	TRG	3.431	4.28	96.00	1320576
1634-04-4	Methyl tert butyl ether	25	TRG	2.960	4.42	73.00	2427691
107-12-0	Propionitrile	26	TRG	6.428	6.49	54.00	1640314
75-34-3	1,1-Dichloroethane	27	TRG	4.650	4.94	63.00	3305048
637-92-3	Ethyl tert butyl ether	28	TRG	2.388	5.22	59.00	2289272
108-05-4	Vinyl acetate	29	TRG	3.178	5.74	43.00	452878
78-93-3	2-Butanone (MEK)	30	TRG	4.605	6.18	72.00	859634
108-20-3	Diisopropyl ether	31	TRG	2.341	4.81	87.00	593542
110-54-3	Hexane	32	TRG	3.246	4.33	57.00	3393599
126-98-7	Methacrylonitrile	33	TRG	4.273	6.51	67.00	949420
141-78-6	Ethyl acetate	34	TRG	2.233	6.71	61.00	278111
74-97-5	Bromochloromethane	35	TRG	2.821	5.76	49.00	1703920

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.245	5.98	55.00	1062366
109-99-9	Tetrahydrofuran	37	TRG	4.668	6.18	72.00	859634
78-83-1	Isobutyl alcohol	38	TRG	3.775	6.76	74.00	176452
156-59-2	cis-1,2-Dichloroethene	39	TRG	4.476	5.54	96.00	1763837
594-20-7	2,2-Dichloropropane	40	TRG	3.963	5.64	77.00	1766602
67-66-3	Chloroform	41	TRG	5.078	5.83	83.00	**2950332**
71-55-6	1,1,1-Trichloroethane	43	TRG	3.475	6.08	97.00	2013361
107-06-2	1,2-Dichloroethane	44	TRG	3.943	6.71	61.95	2112724
563-58-6	1,1-Dichloropropene	45	TRG	2.869	6.20	75.00	1999964
110-82-7	Cyclohexane	46	TRG	3.305	5.78	56.00	3028447
71-43-2	Benzene	47	TRG	3.592	6.49	78.00	5887949
56-23-5	Carbon tetrachloride	48	TRG	4.371	6.01	116.90	1634446
994-05-8	t-Amyl methyl ether	49	TRG	1.640	6.63	73.00	2088189
540-84-1	2,2,4-Trimethylpentane	50	TRG	2.486	6.34	57.00	6891677
142-82-5	n-Heptane	51	TRG	2.620	6.49	71.00	1336472
78-87-5	1,2-Dichloropropane	52	TRG	3.634	7.77	63.00	2150679
123-91-1	1,4 Dioxane	53	TRG	6.164	8.09	88.00	2179796
74-95-3	Dibromomethane	54	TRG	1.598	7.65	174.00	696586
79-01-6	Trichloroethene (TCE)	55	TRG	3.630	6.49	130.00	2202104
75-27-4	Bromodichloromethane	56	TRG	1.765	7.85	83.00	1204867
80-62-6	Methyl methacrylate	57	TRG	2.830	8.05	69.00	1271343
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	3.546	9.40	58.00	1926083
10061-01-5	cis-1,3-Dichloropropene	59	TRG	3.455	8.62	75.00	**2286777**
108-88-3	Toluene	61	TRG	3.962	8.92	91.00	6018564
10061-02-6	trans-1,3-Dichloropropene	62	TRG	3.696	9.43	75.00	2533141
79-00-5	1,1,2-Trichloroethane	63	TRG	3.772	9.63	61.00	1454751
97-63-2	Ethyl methacrylate	64	TRG	1.958	9.67	69.00	1556182
591-78-6	2-Hexanone	65	TRG	2.886	10.50	58.00	2675855
142-28-9	1,3-Dichloropropane	66	TRG	2.599	10.00	76.00	2495123
111-65-9	Octane	67	TRG	2.242	8.72	85.00	1372270
124-48-1	Dibromochloromethane	68	TRG	1.955	9.87	129.00	1387024
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	1.798	10.18	107.00	1786230
127-18-4	Tetrachloroethene (PCE)	70	TRG	1.954	9.41	166.00	1345343
108-90-7	Chlorobenzene	72	TRG	3.580	10.91	112.00	5382725
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	1.805	11.00	131.00	1006638
100-41-4	Ethylbenzene	74	TRG	3.904	10.94	106	8052964
1330-20-7	m,p-Xylenes	75	TRG	3.950	11.15	91.00	6897934
111-84-2	Nonane	76	TRG	1.965	10.86	57.00	3442817
100-42-5	Styrene	77	TRG	3.741	11.83	104.00	4789604
75-25-2	Bromoform	78	TRG	1.224	11.86	173.00	942900
95-47-6	o-Xylene	79	TRG	3.746	11.73	91.00	6682945
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	1.908	12.92	83.00	4198151
96-18-4	1,2,3-Trichloropropane	81	TRG	2.045	13.12	110.00	935684
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	3.157	13.21	53.00	992081
103-65-1	n-Propylbenzene	83	TRG	2.783	12.83	91.00	8373747
98-82-8	Isopropylbenzene	84	TRG	2.412	12.24	105.00	4298253
622-96-8	4-Ethyltoluene	85	TRG	8.051	13.00	105.00	16000256
108-67-8	1,3,5-Trimethylbenzene	86	TRG	4.098	13.12	105.00	8745312
124-18-5	Decane	87	TRG	2.255	12.85	57.00	5885501
98-06-6	tert-butyl benzene	88	TRG	2.254	13.61	119.00	4842206

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	3.983	13.71	105.00	8727630
538-93-2	i-Butylbenzene	90	TRG	2.415	13.89	91.00	8144968
135-98-8	sec-butylbenzene	91	TRG	2.593	13.87	105.00	8322253
541-73-1	1,3-Dichlorobenzene	92	TRG	2.821	14.19	146.00	4166865
99-87-6	Isopropyltoluene	93	TRG	2.495	14.10	119.00	6678837
100-44-7	Benzyl chloride	94	TRG	2.457	13.31	91.00	4292483
106-46-7	1,4-Dichlorobenzene	95	TRG	2.546	14.34	146.00	4056029
104-51-8	n-Butylbenzene	96	TRG	2.571	14.76	91.00	11909620
95-50-1	1,2-Dichlorobenzene	97	TRG	2.567	15.01	146.00	4720268
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	1.748	16.27	75.00	1219472
120-82-1	1,2,4-Trichlorobenzene	99	TRG	1.026	17.40	180.00	426106
91-20-3	Naphthalene	100	TRG	0.229	17.95	128.00	209012
87-61-6	1,2,3-Trichlorobenzene	101	TRG	1.286	17.42	180.00	426106
87-68-3	Hexachlorobutadiene	102	TRG	1.039	17.33	225.00	1035550
75-37-6	1,1-Difluoroethane	103	TRG	4.963	1.83	51.00	3541346
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4908672**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8333044**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10373368**
2037-26-5	Toluene-d8	61	SURR	3.279	8.85	98.00	**6150487**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		
QC_Batch:	**0081226-MA1**		
Sample ID:	ST62126		
Sample Analysis Date:	12 Aug 126 7:47 am		
Run Method:	B1563_C.M		
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	

Sample Calculation:

1) $CCRFi = \left| \frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Aistdi)} \right|_i$

CCRFi is the Continuing Calibration RF

PFB - Pentafluorobenzene
14DFB - 1,4-Difluorobenzene
d5CB - d5-Chlorobenzene

A passing calibration can have (10%) or 10 compounds out

Compound	Area Astdi	**Cal Level Cstdi ppbv**	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	**Quant IS**
Propylene	2060658	**4.750**	0.509	0.429	-18.6	**30**	IN	**PFB**
Dichlorodifluoromethane	6129376	**4.750**	1.514	0.986	-53.5	**30**	OUT	**PFB**
Methanol	1774130	**7.870**	0.264	0.397	33.3	**50**	IN	**PFB**
Chloromethane	3297193	**4.750**	0.814	0.699	-16.6	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	6129376	**4.750**	1.514	1.135	-33.4	**30**	OUT	**PFB**
Vinyl chloride	31096	**4.750**	0.008	0.617	98.8	**30**	OUT	**PFB**
1,3-Butadiene	1266229	**4.750**	0.313	0.326	4.2	**30**	IN	**PFB**
Bromomethane	1541259	**4.750**	0.381	0.331	-15.1	**30**	IN	**PFB**
Chloroethane	1005759	**4.750**	0.248	0.204	-21.5	**30**	IN	**PFB**
Ethanol	1023005	**16.040**	0.075	0.098	23.9	**50**	IN	**PFB**
Acrolein	624829	**6.890**	0.106	0.121	12.3	**30**	IN	**PFB**
Trichlorofluoromethane	2737244	**4.560**	0.704	0.609	-15.6	**30**	IN	**PFB**
Acetone	869264	**6.380**	0.160	0.202	20.9	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	3612025	**6.140**	0.690	0.927	25.6	**50**	IN	**PFB**
t-Butyl alcohol	3715111	**4.560**	0.956	0.895	-6.8	**40**	IN	**PFB**
Methyl iodide	422451	**1.390**	0.357	0.305	-17.0	**30**	IN	**PFB**
1,1-Dichloroethene	3744837	**4.350**	1.010	0.932	-8.4	**30**	IN	**PFB**
Acrylonitrile	1257225	**5.270**	0.280	0.275	-1.8	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	1681851	**4.200**	0.470	0.449	-4.5	**30**	IN	**PFB**
Allyl chloride	303448	**4.990**	0.071	0.055	-30.7	**40**	IN	**PFB**
Methylene chloride	1167886	**4.580**	0.299	0.302	0.9	**30**	IN	**PFB**
Carbon disulfide	2420127	**4.810**	0.590	0.627	5.9	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1219150	**3.740**	0.382	0.392	2.5	**30**	IN	**PFB**
Methyl tert butyl ether	2326747	**3.820**	0.715	0.836	14.5	**40**	IN	**PFB**
Propionitrile	1491591	**6.510**	0.269	0.260	-3.4	**40**	IN	**PFB**
1,1-Dichloroethane	3140136	**4.380**	0.841	0.724	-16.2	**30**	IN	**PFB**
Ethyl tert butyl ether	2200112	**3.010**	0.857	0.977	12.2	**40**	IN	**PFB**
Vinyl acetate	414008	**4.560**	0.107	0.110	3.3	**40**	IN	**PFB**
2-Butanone (MEK)	774134	**5.280**	0.172	0.190	9.5	**40**	IN	**PFB**
Diisopropyl ether	579112	**2.700**	0.252	0.258	2.6	**40**	IN	**PFB**
Hexane	3225741	**3.830**	0.988	1.065	7.2	**40**	IN	**PFB**
Methacrylonitrile	871931	**4.980**	0.205	0.226	9.2	**40**	IN	**PFB**
Ethyl acetate	269123	**4.540**	0.070	0.127	45.2	**40**	OUT	**PFB**
Bromochloromethane	1670098	**2.760**	0.710	0.615	-15.4	**30**	IN	**PFB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFI	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	941810	**2.460**	0.449	0.482	6.8	**40**	IN	**PFB**
Tetrahydrofuran	774134	**5.380**	0.169	0.188	10.0	**40**	IN	**PFB**
Isobutyl alcohol	134190	**3.780**	0.042	0.048	12.5	**40**	IN	**PFB**
cis-1,2-Dichloroethene	1612942	**4.720**	0.401	0.401	0.1	**30**	IN	**PFB**
2,2-Dichloropropane	1674582	**4.620**	0.425	0.454	6.4	**30**	IN	**PFB**
Chloroform	2904839	**4.770**	0.714	0.592	-20.7	**30**	IN	**PFB**
1,1,1-Trichloroethane	1954000	**4.210**	0.357	0.348	-2.8	**30**	IN	**14DFB**
1,2-Dichloroethane	2092277	**4.340**	0.371	0.322	-15.4	**30**	IN	**14DFB**
1,1-Dichloropropene	1873127	**3.420**	0.422	0.418	-0.8	**30**	IN	**14DFB**
Cyclohexane	2891643	**3.970**	0.561	0.550	-2.0	**30**	IN	**14DFB**
Benzene	5280315	**4.460**	0.911	0.984	7.3	**30**	IN	**14DFB**
Carbon tetrachloride	1544029	**4.500**	0.264	0.224	-17.7	**30**	IN	**14DFB**
t-Amyl methyl ether	1953371	**2.300**	0.654	0.764	14.4	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	6374731	**2.820**	1.740	1.663	-4.6	**30**	IN	**14DFB**
n-Heptane	1224436	**3.140**	0.300	0.306	1.9	**30**	IN	**14DFB**
1,2-Dichloropropane	2107190	**4.580**	0.354	0.355	0.3	**30**	IN	**14DFB**
1,4 Dioxane	1856240	**8.760**	0.163	0.212	23.1	**40**	IN	**14DFB**
Dibromomethane	667457	**1.950**	0.263	0.262	-0.7	**30**	IN	**14DFB**
Trichloroethene (TCE)	1956413	**4.430**	0.340	0.364	6.6	**30**	IN	**14DFB**
Bromodichloromethane	1134265	**2.080**	0.420	0.410	-2.5	**40**	IN	**14DFB**
Methyl methacrylate	1104602	**3.510**	0.242	0.270	10.1	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	1672281	**3.920**	0.328	0.326	-0.7	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	2061511	**4.550**	0.349	0.397	12.2	**30**	IN	**14DFB**
Toluene	5409543	**4.580**	0.909	0.911	0.2	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	2232708	**4.560**	0.377	0.411	8.3	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1350524	**4.520**	0.230	0.231	0.6	**30**	IN	**14DFB**
Ethyl methacrylate	1352772	**2.390**	0.436	0.477	8.6	**40**	IN	**14DFB**
2-Hexanone	2298438	**3.680**	0.481	0.556	13.6	**40**	IN	**14DFB**
1,3-Dichloropropane	2293460	**3.410**	0.518	0.576	10.1	**30**	IN	**14DFB**
Octane	1207687	**2.830**	0.329	0.367	10.6	**30**	IN	**14DFB**
Dibromochloromethane	1204627	**2.070**	0.448	0.426	-5.2	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	1596458	**2.310**	0.532	0.596	10.7	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1153904	**2.310**	0.385	0.413	6.9	**30**	IN	**14DFB**
Chlorobenzene	4668187	**4.330**	0.772	0.888	13.0	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	869975	**2.150**	0.290	0.269	-7.8	**30**	IN	**d5CB**
Ethylbenzene	6959237	**4.640**	1.074	0.994	-8.1	**30**	IN	**d5CB**
m,p-Xylenes	5918941	**4.660**	0.910	0.842	-8.1	**30**	IN	**d5CB**
Nonane	3050714	**2.470**	0.885	0.844	-4.8	**30**	IN	**d5CB**
Styrene	3860810	**4.550**	0.608	0.617	1.5	**30**	IN	**d5CB**
Bromoform	781450	**1.390**	0.403	0.371	-8.5	**40**	IN	**d5CB**
o-Xylene	5769062	**4.530**	0.912	0.860	-6.1	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	3269516	**2.350**	0.996	1.061	6.1	**30**	IN	**d5CB**
1,2,3-Trichloropropane	758564	**2.550**	0.213	0.221	3.4	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	806308	**2.890**	0.200	0.119	-67.7	**40**	OUT	**d5CB**
n-Propylbenzene	6901435	**3.210**	1.540	1.450	-6.2	**30**	IN	**d5CB**
Isopropylbenzene	3610037	**3.240**	0.798	0.859	7.1	**30**	IN	**d5CB**
4-Ethyltoluene	12793211	**7.770**	1.179	0.958	-23.1	**30**	IN	**d5CB**
1,3,5-Trimethylbenzene	7049605	**4.540**	1.112	1.029	-8.1	**30**	IN	**d5CB**
Decane	4880834	**2.630**	1.329	1.258	-5.7	**30**	IN	**d5CB**
tert-butyl benzene	4000009	**2.860**	1.002	1.036	3.3	**40**	IN	**d5CB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	6903776	**4.460**	1.109	1.056	-5.0	**30**	IN	**d5CB**
I-Butylbenzene	6696916	**2.850**	1.683	1.625	-3.5	**40**	IN	**d5CB**
sec-butylbenzene	6711148	**2.650**	1.814	1.547	-17.3	**40**	IN	**d5CB**
1,3-Dichlorobenzene	3270221	**3.520**	0.665	0.712	6.5	**40**	IN	**d5CB**
Isopropyltoluene	5159550	**2.980**	1.240	1.290	3.9	**40**	IN	**d5CB**
Benzyl chloride	3515310	**3.140**	0.802	0.842	4.8	**40**	IN	**d5CB**
1,4-Dichlorobenzene	3105232	**3.290**	0.676	0.768	12.0	**40**	IN	**d5CB**
n-Butylbenzene	9109471	**2.330**	2.800	2.233	-25.4	**40**	IN	**d5CB**
1,2-Dichlorobenzene	3415527	**3.090**	0.792	0.886	10.7	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	886086	**2.940**	0.216	0.336	35.8	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	319413	**1.955**	0.117	0.200	41.5	**50**	IN	**d5CB**
Naphthalene	162868	**0.765**	0.152	0.440	65.4	**50**	OUT	**d5CB**
1,2,3-Trichlorobenzene	319413	**2.455**	0.093	0.160	41.6	**50**	IN	**d5CB**
Hexachlorobutadiene	764536	**1.260**	0.435	0.481	9.6	**50**	IN	**d5CB**
1,1-Difluoroethane	3168318	**4.750**	0.478	0.344	-38.9	**50**	IN	**d5CB**
Pentafluorobenzene	4262085	**5.000**		0.000				
1,4-Difluorobenzene	6495240	**5.000**		0.000				
Chlorobenzene-d5	6981074	**5.000**		0.000				
Toluene-d8	3750378	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08126**		
File Name:	C08126A.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/12/26**	**Time:**	**7:47**
Anal Date:	12 Aug 126 7:47 am	**SF:**	**2**	**QCbatch:**	**0081226-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.634	1.69	42.00	2060658
75-71-8	Dichlorodifluoromethane	3	TRG	6.957	1.74	85.00	6129376
67-56-1	Methanol	4	TRG	5.248	2.49	31.00	1774130
74-87-3	Chloromethane	5	TRG	5.536	2.03	50.00	3297193
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	6.334	1.91	85.00	6129376
75-01-4	Vinyl chloride	7	TRG	0.059	2.07	62.00	31096
106-99-0	1,3-Butadiene	8	TRG	4.552	2.17	54.00	1266229
74-83-9	Bromomethane	9	TRG	5.468	2.44	94.00	1541259
75-00-3	Chloroethane	10	TRG	4.532	2.68	64.00	1005759
64-17-5	Ethanol	11	TRG	12.199	3.39	46.00	1023005
107-02-8	Acrolein	12	TRG	6.046	3.75	56.00	624829
75-69-4	Trichlorofluoromethane	13	TRG	5.270	2.78	101.00	2737244
67-64-1	Acetone	14	TRG	5.047	4.13	58.00	869264
67-63-0	2-propanol (isopropylalcoh	15	TRG	4.569	3.99	45.00	3612025
75-65-0	t-Butyl alcohol	16	TRG	4.868	4.50	59.00	3715111
4227-95-6	Methyl Iodide	17	TRG	1.424	3.51	142.00	422451
75-35-4	1,1-Dichloroethene	18	TRG	5.324	3.36	61.00	3744837
107-13-1	Acrylonitrile	19	TRG	5.362	4.96	53.00	1257225
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.390	3.45	151.00	1681851
107-05-1	Allyl chloride	21	TRG	6.520	2.88	76.00	303448
75-09-2	Methylene chloride	22	TRG	4.540	4.03	84.00	1167886
75-15-0	Carbon disulfide	23	TRG	4.527	3.45	76.00	2420127
156-60-5	trans-1,2-Dichloroethene	24	TRG	3.648	4.28	96.00	1219150
1634-04-4	Methyl tert butyl ether	25	TRG	3.267	4.42	73.00	2326747
107-12-0	Propionitrile	26	TRG	6.732	6.49	54.00	1491591
75-34-3	1,1-Dichloroethane	27	TRG	5.088	4.94	63.00	3140136
637-92-3	Ethyl tert butyl ether	28	TRG	2.643	5.22	59.00	2200112
108-05-4	Vinyl acetate	29	TRG	3.340	5.74	43.00	414008
78-93-3	2-Butanone (MEK)	30	TRG	4.776	6.18	72.00	774134
108-20-3	Diisopropyl ether	31	TRG	2.630	4.81	87.00	579112
110-54-3	Hexane	32	TRG	3.553	4.33	57.00	3225741
126-98-7	Methacrylonitrile	33	TRG	4.520	6.51	67.00	871931
141-78-6	Ethyl acetate	34	TRG	2.488	6.71	61.00	269123
74-97-5	Bromochloromethane	35	TRG	3.184	5.76	49.00	1670098

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.292	5.98	55.00	941810
109-99-9	Tetrahydrofuran	37	TRG	4.841	6.18	72.00	774134
78-83-1	Isobutyl alcohol	38	TRG	3.307	6.76	74.00	134190
156-59-2	cis-1,2-Dichloroethene	39	TRG	4.714	5.54	96.00	1612942
594-20-7	2,2-Dichloropropane	40	TRG	4.326	5.64	77.00	1674582
67-66-3	Chloroform	41	TRG	5.758	5.83	83.00	**2904839**
71-55-6	1,1,1-Trichloroethane	43	TRG	4.327	6.08	97.00	1954000
107-06-2	1,2-Dichloroethane	44	TRG	5.009	6.71	61.95	2092277
563-58-6	1,1-Dichloropropene	45	TRG	3.447	6.20	75.00	1873127
110-82-7	Cyclohexane	46	TRG	4.049	5.78	56.00	2891643
71-43-2	Benzene	47	TRG	4.132	6.49	78.00	5280315
56-23-5	Carbon tetrachloride	48	TRG	5.297	6.01	116.90	1544029
994-05-8	t-Amyl methyl ether	49	TRG	1.968	6.63	73.00	1953371
540-84-1	2,2,4-Trimethylpentane	50	TRG	2.950	6.34	57.00	6374731
142-82-5	n-Heptane	51	TRG	3.079	6.49	71.00	1224436
78-87-5	1,2-Dichloropropane	52	TRG	4.568	7.77	63.00	2107190
123-91-1	1,4 Dioxane	53	TRG	6.734	8.09	88.00	1856240
74-95-3	Dibromomethane	54	TRG	1.964	7.65	174.00	667457
79-01-6	Trichloroethene (TCE)	55	TRG	4.137	6.49	130.00	1956413
75-27-4	Bromodichloromethane	56	TRG	2.132	7.85	83.00	1134265
80-62-6	Methyl methacrylate	57	TRG	3.154	8.05	69.00	1104602
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	3.949	9.40	58.00	1672281
10061-01-5	cis-1,3-Dichloropropene	59	TRG	3.996	8.62	75.00	**2061511**
108-88-3	Toluene	61	TRG	4.569	8.92	91.00	5409543
10061-02-6	trans-1,3-Dichloropropene	62	TRG	4.179	9.43	75.00	2232708
79-00-5	1,1,2-Trichloroethane	63	TRG	4.493	9.63	61.00	1350524
97-63-2	Ethyl methacrylate	64	TRG	2.184	9.67	69.00	1352772
591-78-6	2-Hexanone	65	TRG	3.180	10.50	58.00	2298438
142-28-9	1,3-Dichloropropane	66	TRG	3.065	10.00	76.00	2293460
111-65-9	Octane	67	TRG	2.531	8.72	85.00	1207687
124-48-1	Dibromochloromethane	68	TRG	2.179	9.87	129.00	1204627
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	2.062	10.18	107.00	1596458
127-18-4	Tetrachloroethene (PCE)	70	TRG	2.150	9.41	166.00	1153904
108-90-7	Chlorobenzene	72	TRG	4.613	10.91	112.00	4668187
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	2.318	11.00	131.00	869975
100-41-4	Ethylbenzene	74	TRG	5.014	10.94	106	6959237
1330-20-7	m,p-Xylenes	75	TRG	5.037	11.15	91.00	5918941
111-84-2	Nonane	76	TRG	2.587	10.86	57.00	3050714
100-42-5	Styrene	77	TRG	4.481	11.83	104.00	3860810
75-25-2	Bromoform	78	TRG	1.508	11.86	173.00	781450
95-47-6	o-Xylene	79	TRG	4.805	11.73	91.00	5769062
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.208	12.92	83.00	3269516
96-18-4	1,2,3-Trichloropropane	81	TRG	2.463	13.12	110.00	758564
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	3.757	13.21	53.00	806308
103-65-1	n-Propylbenzene	83	TRG	3.408	12.83	91.00	6901435
98-82-8	Isopropylbenzene	84	TRG	3.010	12.24	105.00	3610037
622-96-8	4-Ethyltoluene	85	TRG	9.566	13.00	105.00	12793211
108-67-8	1,3,5-Trimethylbenzene	86	TRG	4.909	13.12	105.00	7049605
124-18-5	Decane	87	TRG	2.779	12.85	57.00	4880834
98-06-6	tert-butyl benzene	88	TRG	2.766	13.61	119.00	4000009

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	4.682	13.71	105.00	6903776
538-93-2	i-Butylbenzene	90	TRG	2.951	13.89	91.00	6696916
135-98-8	sec-butylbenzene	91	TRG	3.107	13.87	105.00	6711148
541-73-1	1,3-Dichlorobenzene	92	TRG	3.290	14.19	146.00	3270221
99-87-6	Isopropyltoluene	93	TRG	2.864	14.10	119.00	5159550
100-44-7	Benzyl chloride	94	TRG	2.989	13.31	91.00	3515310
106-46-7	1,4-Dichlorobenzene	95	TRG	2.897	14.34	146.00	3105232
104-51-8	n-Butylbenzene	96	TRG	2.922	14.76	91.00	9109471
95-50-1	1,2-Dichlorobenzene	97	TRG	2.760	15.01	146.00	3415527
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	1.888	16.27	75.00	886086
120-82-1	1,2,4-Trichlorobenzene	99	TRG	1.143	17.40	180.00	319413
91-20-3	Naphthalene	100	TRG	0.265	17.95	128.00	162868
87-61-6	1,2,3-Trichlorobenzene	101	TRG	1.433	17.42	180.00	319413
87-68-3	Hexachlorobutadiene	102	TRG	1.139	17.33	225.00	764536
75-37-6	1,1-Difluoroethane	103	TRG	6.598	1.83	51.00	3168318
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4262085**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6495240**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**6981074**
2037-26-5	Toluene-d8	61	SURR	2.565	8.85	98.00	**3750378**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		
QC_Batch:	**0081426-MA1**		
Sample ID:	ST62126		
Sample Analysis Date:	14 Aug 126 8:21 am		
Run Method:	B1563_C.M		
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 4**	**5**	

Sample Calculation:

1) $CCRFi = \left| \frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Alstdi)} \right|$

CCRFi is the Continuing Calibration RF

PFB - Pentafluorobenzene
14DFB - 1,4-Difluorobenzene
d5CB - d5-Chlorobenzene

A passing calibration can have (10%) or 10 compounds out

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Propylene	2107358	**4.750**	0.510	0.429	-18.9	**30**	IN	**PFB**
Dichlorodifluoromethane	6158325	**4.750**	1.491	0.986	-51.2	**30**	OUT	**PFB**
Methanol	1806570	**7.870**	0.264	0.397	33.4	**50**	IN	**PFB**
Chloromethane	3280516	**4.750**	0.794	0.699	-13.7	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	5678851	**4.750**	1.375	1.135	-21.1	**30**	IN	**PFB**
Vinyl chloride	3098786	**4.750**	0.750	0.617	-21.7	**30**	IN	**PFB**
1,3-Butadiene	1420551	**4.750**	0.344	0.326	-5.4	**30**	IN	**PFB**
Bromomethane	1375577	**4.750**	0.333	0.331	-0.8	**30**	IN	**PFB**
Chloroethane	932365	**4.750**	0.226	0.204	-10.4	**30**	IN	**PFB**
Ethanol	899884	**16.040**	0.065	0.098	34.4	**50**	IN	**PFB**
Acrolein	661796	**6.890**	0.110	0.121	8.9	**30**	IN	**PFB**
Trichlorofluoromethane	2310108	**4.560**	0.583	0.609	4.4	**30**	IN	**PFB**
Acetone	909976	**6.380**	0.164	0.202	18.8	**40**	IN	**PFB**
2-propanol (isopropylalcohol)	4143550	**6.140**	0.776	0.927	16.3	**50**	IN	**PFB**
t-Butyl alcohol	2671417	**4.560**	0.674	0.895	24.7	**40**	IN	**PFB**
Methyl Iodide	465919	**1.390**	0.386	0.305	-26.6	**30**	IN	**PFB**
1,1-Dichloroethene	4180952	**4.350**	1.106	0.932	-18.7	**30**	IN	**PFB**
Acrylonitrile	1236031	**5.270**	0.270	0.275	1.9	**40**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	1719573	**4.200**	0.471	0.449	-4.8	**30**	IN	**PFB**
Allyl chloride	352178	**4.990**	0.081	0.055	-48.7	**40**	OUT	**PFB**
Methylene chloride	1325165	**4.580**	0.333	0.302	-10.3	**30**	IN	**PFB**
Carbon disulfide	2466410	**4.810**	0.590	0.627	5.9	**30**	IN	**PFB**
trans-1,2-Dichloroethene	1369415	**3.740**	0.421	0.392	-7.4	**30**	IN	**PFB**
Methyl tert butyl ether	2523480	**3.820**	0.760	0.836	9.0	**40**	IN	**PFB**
Propionitrile	1420754	**6.510**	0.251	0.260	3.4	**40**	IN	**PFB**
1,1-Dichloroethane	2788239	**4.380**	0.732	0.724	-1.1	**30**	IN	**PFB**
Ethyl tert butyl ether	2170881	**3.010**	0.830	0.977	15.0	**40**	IN	**PFB**
Vinyl acetate	444877	**4.560**	0.112	0.110	-1.8	**40**	IN	**PFB**
2-Butanone (MEK)	784164	**5.280**	0.171	0.190	10.2	**40**	IN	**PFB**
Diisopropyl ether	686948	**2.700**	0.293	0.258	-13.3	**40**	IN	**PFB**
Hexane	3789293	**3.830**	1.138	1.065	-6.9	**40**	IN	**PFB**
Methacrylonitrile	854137	**4.980**	0.197	0.226	12.8	**40**	IN	**PFB**
Ethyl acetate	219210	**4.540**	0.056	0.127	56.2	**40**	OUT	**PFB**
Bromochloromethane	1449269	**2.760**	0.604	0.615	1.8	**30**	IN	**PFB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	939299	**2.460**	0.439	0.482	8.9	**40**	IN	**PFB**
Tetrahydrofuran	784164	**5.380**	0.168	0.188	10.6	**40**	IN	**PFB**
Isobutyl alcohol	107410	**3.780**	0.033	0.048	31.3	**40**	IN	**PFB**
cis-1,2-Dichloroethene	1714655	**4.720**	0.418	0.401	-4.1	**30**	IN	**PFB**
2,2-Dichloropropane	1511027	**4.620**	0.376	0.454	17.1	**30**	IN	**PFB**
Chloroform	2082907	**4.770**	0.502	0.592	15.1	**30**	IN	**PFB**
1,1,1-Trichloroethane	1584137	**4.210**	0.285	0.348	17.9	**30**	IN	**14DFB**
1,2-Dichloroethane	1635171	**4.340**	0.286	0.322	11.2	**30**	IN	**14DFB**
1,1-Dichloropropene	1920128	**3.420**	0.426	0.418	-1.8	**30**	IN	**14DFB**
Cyclohexane	3060255	**3.970**	0.584	0.550	-6.3	**30**	IN	**14DFB**
Benzene	5510062	**4.460**	0.937	0.984	4.8	**30**	IN	**14DFB**
Carbon tetrachloride	1294964	**4.500**	0.218	0.224	2.8	**30**	IN	**14DFB**
t-Amyl methyl ether	1851200	**2.300**	0.610	0.764	20.1	**40**	IN	**14DFB**
2,2,4-Trimethylpentane	6939643	**2.820**	1.866	1.663	-12.2	**30**	IN	**14DFB**
n-Heptane	1330424	**3.140**	0.321	0.306	-5.0	**30**	IN	**14DFB**
1,2-Dichloropropane	1874242	**4.580**	0.310	0.355	12.6	**30**	IN	**14DFB**
1,4 Dioxane	1830989	**8.760**	0.158	0.212	25.3	**40**	IN	**14DFB**
Dibromomethane	644982	**1.950**	0.251	0.262	4.1	**30**	IN	**14DFB**
Trichloroethene (TCE)	2173658	**4.430**	0.372	0.364	-2.2	**30**	IN	**14DFB**
Bromodichloromethane	965810	**2.080**	0.352	0.410	14.1	**40**	IN	**14DFB**
Methyl methacrylate	1038335	**3.510**	0.224	0.270	16.8	**40**	IN	**14DFB**
4-Methyl-2-pentanone (MIBK)	1534350	**3.920**	0.297	0.326	9.0	**40**	IN	**14DFB**
cis-1,3-Dichloropropene	1913850	**4.550**	0.319	0.397	19.7	**30**	IN	**14DFB**
Toluene	6183074	**4.580**	1.024	0.911	-12.3	**30**	IN	**14DFB**
trans-1,3-Dichloropropene	2004296	**4.560**	0.333	0.411	19.0	**30**	IN	**14DFB**
1,1,2-Trichloroethane	1106526	**4.520**	0.186	0.231	19.8	**30**	IN	**14DFB**
Ethyl methacrylate	1248500	**2.390**	0.396	0.477	16.9	**40**	IN	**14DFB**
2-Hexanone	2044527	**3.680**	0.421	0.556	24.3	**40**	IN	**14DFB**
1,3-Dichloropropane	2111197	**3.410**	0.469	0.576	18.5	**30**	IN	**14DFB**
Octane	1296317	**2.830**	0.347	0.367	5.4	**30**	IN	**14DFB**
Dibromochloromethane	1101449	**2.070**	0.403	0.426	5.2	**40**	IN	**14DFB**
1,2-Dibromoethane (EDB)	1509383	**2.310**	0.495	0.596	16.9	**30**	IN	**14DFB**
Tetrachloroethene (PCE)	1137584	**2.310**	0.373	0.413	9.6	**30**	IN	**14DFB**
Chlorobenzene	4944625	**4.330**	0.823	0.888	7.3	**30**	IN	**d5CB**
1,1,1,2-Tetrachloroethane	759238	**2.150**	0.254	0.269	5.4	**30**	IN	**d5CB**
Ethylbenzene	7014473	**4.640**	1.089	0.994	-9.5	**30**	IN	**d5CB**
m,p-Xylenes	5931375	**4.660**	0.917	0.842	-8.9	**30**	IN	**d5CB**
Nonane	3137555	**2.470**	0.915	0.844	-8.4	**30**	IN	**d5CB**
Styrene	3822551	**4.550**	0.605	0.617	1.9	**30**	IN	**d5CB**
Bromoform	730247	**1.390**	0.378	0.371	-1.9	**40**	IN	**d5CB**
o-Xylene	5734866	**4.530**	0.912	0.860	-6.0	**30**	IN	**d5CB**
1,1,2,2-Tetrachloroethane	3056764	**2.350**	0.937	1.061	11.7	**30**	IN	**d5CB**
1,2,3-Trichloropropane	662188	**2.550**	0.187	0.221	15.2	**30**	IN	**d5CB**
t-1,4-Dichloro-2-butene	355711	**2.890**	0.089	0.119	25.6	**40**	IN	**d5CB**
n-Propylbenzene	6684980	**3.210**	1.500	1.450	-3.4	**30**	IN	**d5CB**
Isopropylbenzene	3534815	**3.240**	0.786	0.859	8.5	**30**	IN	**d5CB**
4-Ethyltoluene	11562430	**7.770**	1.072	0.958	-11.9	**30**	IN	**d5CB**
1,3,5-Trimethylbenzene	6527962	**4.540**	1.036	1.029	-0.7	**30**	IN	**d5CB**
Decane	4940778	**2.630**	1.353	1.258	-7.6	**30**	IN	**d5CB**
tert-butyl benzene	4179505	**2.860**	1.053	1.036	-1.6	**40**	IN	**d5CB**

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	6231186	**4.460**	1.006	1.056	4.7	**30**	IN	**d5CB**
i-Butylbenzene	6845883	**2.850**	1.730	1.625	-6.5	**40**	IN	**d5CB**
sec-butylbenzene	6884360	**2.650**	1.871	1.547	-21.0	**40**	IN	**d5CB**
1,3-Dichlorobenzene	3418950	**3.520**	0.700	0.712	1.7	**40**	IN	**d5CB**
Isopropyltoluene	4808232	**2.980**	1.162	1.290	9.9	**40**	IN	**d5CB**
Benzyl chloride	3520832	**3.140**	0.808	0.842	4.1	**40**	IN	**d5CB**
1,4-Dichlorobenzene	3380765	**3.290**	0.740	0.768	3.6	**40**	IN	**d5CB**
n-Butylbenzene	8260384	**2.330**	2.554	2.233	-14.4	**40**	IN	**d5CB**
1,2-Dichlorobenzene	3563651	**3.090**	0.831	0.886	6.3	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	726259	**2.940**	0.178	0.336	47.1	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	247535	**1.955**	0.091	0.200	54.4	**50**	OUT	**d5CB**
Naphthalene	178919	**0.765**	0.168	0.440	61.7	**50**	OUT	**d5CB**
1,2,3-Trichlorobenzene	244062	**2.455**	0.072	0.160	55.2	**50**	OUT	**d5CB**
Hexachlorobutadiene	574769	**1.260**	0.329	0.481	31.6	**50**	IN	**d5CB**
1,1-Difluoroethane	3203630	**4.750**	0.486	0.344	-41.3	**50**	IN	**d5CB**
Pentafluorobenzene	4346485	**5.000**		0.000				
1,4-Difluorobenzene	6594338	**5.000**		0.000				
Chlorobenzene-d5	6941288	**5.000**		0.000				
Toluene-d8	3715770	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08146**		
File Name:	C08146AD.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:		**Detect:**	**ND**	**Date Analyzed:**	**8/14/26**	**Time:**	**8:21**
Anal Date:	14 Aug 126 8:21 am	**SF:**	**2**	**QCbatch:**	**0081426-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**5.0**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**TRG**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**0.4**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	5.650	1.69	42.00	2107358
75-71-8	Dichlorodifluoromethane	3	TRG	6.807	1.74	85.00	6158325
67-56-1	Methanol	4	TRG	5.240	2.49	31.00	1806570
74-87-3	Chloromethane	5	TRG	5.401	2.03	50.00	3280516
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	5.755	1.91	85.00	5678851
75-01-4	Vinyl chloride	7	TRG	5.779	2.07	62.00	3098786
106-99-0	1,3-Butadiene	8	TRG	5.008	2.17	54.00	1420551
74-83-9	Bromomethane	9	TRG	4.786	2.44	94.00	1375577
75-00-3	Chloroethane	10	TRG	4.106	2.68	64.00	932365
64-17-5	Ethanol	11	TRG	10.522	3.39	46.00	899884
107-02-8	Acrolein	12	TRG	6.279	3.75	56.00	661796
75-69-4	Trichlorofluoromethane	13	TRG	4.362	2.78	101.00	2310108
67-64-1	Acetone	14	TRG	5.181	4.13	58.00	909976
67-63-0	2-propanol (isopropylalcoh	15	TRG	5.140	3.99	45.00	4143550
75-65-0	t-Butyl alcohol	16	TRG	3.432	4.50	59.00	2671417
4227-95-6	Methyl iodide	17	TRG	1.545	3.51	142.00	465919
75-35-4	1,1-Dichloroethene	18	TRG	6.074	3.36	61.00	4180952
107-13-1	Acrylonitrile	19	TRG	5.170	4.96	53.00	1236031
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	4.401	3.45	151.00	1719573
107-05-1	Allyl chloride	21	TRG	7.420	2.88	76.00	352178
75-09-2	Methylene chloride	22	TRG	5.051	4.03	84.00	1325165
75-15-0	Carbon disulfide	23	TRG	4.524	3.45	76.00	2466410
156-60-5	trans-1,2-Dichloroethene	24	TRG	4.018	4.28	96.00	1369415
1634-04-4	Methyl tert butyl ether	25	TRG	3.474	4.42	73.00	2523480
107-12-0	Propionitrile	26	TRG	6.287	6.49	54.00	1420754
75-34-3	1,1-Dichloroethane	27	TRG	4.430	4.94	63.00	2788239
637-92-3	Ethyl tert butyl ether	28	TRG	2.557	5.22	59.00	2170881
108-05-4	Vinyl acetate	29	TRG	3.516	5.74	43.00	444877
78-93-3	2-Butanone (MEK)	30	TRG	4.744	6.18	72.00	784164
108-20-3	Diisopropyl ether	31	TRG	3.059	4.81	87.00	686948
110-54-3	Hexane	32	TRG	4.093	4.33	57.00	3789293
126-98-7	Methacrylonitrile	33	TRG	4.341	6.51	67.00	854137
141-78-6	Ethyl acetate	34	TRG	1.988	6.71	61.00	219210
74-97-5	Bromochloromethane	35	TRG	2.709	5.76	49.00	1449269

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	2.241	5.98	55.00	939299
109-99-9	Tetrahydrofuran	37	TRG	4.809	6.18	72.00	784164
78-83-1	Isobutyl alcohol	38	TRG	2.595	6.76	74.00	107410
156-59-2	cis-1,2-Dichloroethene	39	TRG	4.913	5.54	96.00	1714655
594-20-7	2,2-Dichloropropane	40	TRG	3.828	5.64	77.00	1511027
67-66-3	Chloroform	41	TRG	4.049	5.83	83.00	**2082907**
71-55-6	1,1,1-Trichloroethane	43	TRG	3.455	6.08	97.00	1584137
107-06-2	1,2-Dichloroethane	44	TRG	3.856	6.71	61.95	1635171
563-58-6	1,1-Dichloropropene	45	TRG	3.481	6.20	75.00	1920128
110-82-7	Cyclohexane	46	TRG	4.221	5.78	56.00	3060255
71-43-2	Benzene	47	TRG	4.247	6.49	78.00	5510062
56-23-5	Carbon tetrachloride	48	TRG	4.376	6.01	116.90	1294964
994-05-8	t-Amyl methyl ether	49	TRG	1.837	6.63	73.00	1851200
540-84-1	2,2,4-Trimethylpentane	50	TRG	3.163	6.34	57.00	6939643
142-82-5	n-Heptane	51	TRG	3.296	6.49	71.00	1330424
78-87-5	1,2-Dichloropropane	52	TRG	4.002	7.77	63.00	1874242
123-91-1	1,4 Dioxane	53	TRG	6.543	8.09	88.00	1830989
74-95-3	Dibromomethane	54	TRG	1.869	7.65	174.00	644982
79-01-6	Trichloroethene (TCE)	55	TRG	4.528	6.49	130.00	2173658
75-27-4	Bromodichloromethane	56	TRG	1.788	7.85	83.00	965810
80-62-6	Methyl methacrylate	57	TRG	2.920	8.05	69.00	1038335
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	3.569	9.40	58.00	1534350
10061-01-5	cis-1,3-Dichloropropene	59	TRG	3.654	8.62	75.00	**1913850**
108-88-3	Toluene	61	TRG	5.144	8.92	91.00	6183074
10061-02-6	trans-1,3-Dichloropropene	62	TRG	3.695	9.43	75.00	2004296
79-00-5	1,1,2-Trichloroethane	63	TRG	3.626	9.63	61.00	1106526
97-63-2	Ethyl methacrylate	64	TRG	1.986	9.67	69.00	1248500
591-78-6	2-Hexanone	65	TRG	2.786	10.50	58.00	2044527
142-28-9	1,3-Dichloropropane	66	TRG	2.779	10.00	76.00	2111197
111-65-9	Octane	67	TRG	2.676	8.72	85.00	1296317
124-48-1	Dibromochloromethane	68	TRG	1.962	9.87	129.00	1101449
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	1.920	10.18	107.00	1509383
127-18-4	Tetrachloroethene (PCE)	70	TRG	2.088	9.41	166.00	1137584
108-90-7	Chlorobenzene	72	TRG	4.914	10.91	112.00	4944625
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	2.035	11.00	131.00	759238
100-41-4	Ethylbenzene	74	TRG	5.082	10.94	106	7014473
1330-20-7	m,p-Xylenes	75	TRG	5.076	11.15	91.00	5931375
111-84-2	Nonane	76	TRG	2.676	10.86	57.00	3137555
100-42-5	Styrene	77	TRG	4.462	11.83	104.00	3822551
75-25-2	Bromoform	78	TRG	1.417	11.86	173.00	730247
95-47-6	o-Xylene	79	TRG	4.804	11.71	91.00	5734866
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	2.076	12.92	83.00	3056764
96-18-4	1,2,3-Trichloropropane	81	TRG	2.163	13.12	110.00	662188
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	1.816	13.21	53.00	355711
103-65-1	n-Propylbenzene	83	TRG	3.320	12.83	91.00	6684980
98-82-8	Isopropylbenzene	84	TRG	2.964	12.24	105.00	3534815
622-96-8	4-Ethyltoluene	85	TRG	8.695	13.00	105.00	11562430
108-67-8	1,3,5-Trimethylbenzene	86	TRG	4.572	13.12	105.00	6527962
124-18-5	Decane	87	TRG	2.830	12.85	57.00	4940778
98-06-6	tert-butyl benzene	88	TRG	2.907	13.61	119.00	4179505

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	4.250	13.71	105.00	6231186
538-93-2	i-Butylbenzene	90	TRG	3.034	13.89	91.00	6845883
135-98-8	sec-butylbenzene	91	TRG	3.206	13.87	105.00	6884360
541-73-1	1,3-Dichlorobenzene	92	TRG	3.460	14.19	146.00	3418950
99-87-6	Isopropyltoluene	93	TRG	2.684	14.10	119.00	4808232
100-44-7	Benzyl chloride	94	TRG	3.011	13.31	91.00	3520832
106-46-7	1,4-Dichlorobenzene	95	TRG	3.172	14.34	146.00	3380765
104-51-8	n-Butylbenzene	96	TRG	2.665	14.76	91.00	8260384
95-50-1	1,2-Dichlorobenzene	97	TRG	2.896	15.01	146.00	3563651
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	1.556	16.27	75.00	726259
120-82-1	1,2,4-Trichlorobenzene	99	TRG	0.891	17.40	180.00	247535
91-20-3	Naphthalene	100	TRG	0.293	17.95	128.00	178919
87-61-6	1,2,3-Trichlorobenzene	101	TRG	1.101	17.42	180.00	244062
87-68-3	Hexachlorobutadiene	102	TRG	0.861	17.31	225.00	574769
75-37-6	1,1-Difluoroethane	103	TRG	6.710	1.83	51.00	3203630
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4346485**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6594338**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**6941288**
2037-26-5	Toluene-d8	61	SURR	2.503	8.85	98.00	**3715770**

CONTINUING CALIBRATION REPORT

SDG:	**LABQC**		**Sample Calculation:**
QC_Batch:	**080526-MA1**		1) CCRFi = $\left\lvert \frac{(Astdi)\ (Cistdi)}{(Cstdi)\ (Aistdi)} \right\rvert$ i
Sample ID:	ST62126		
Sample Analysis Date:	5 Aug 126 11:36 am		
Run Method:	B1563_C.M		CCRFi is the Continuing Calibration RF
Quant/Calibration Method:	B15CS3_C.M		
Calibration Level:	**Level 0**	**0**	PFB - Pentafluorobenzene
			14DFB - 1,4-Difluorobenzene
A passing calibration can have (10%) or 10 compounds out			d5CB - d5-Chlorobenzene

Compound	Area Astdi	Cal Level Cstdi ppbv	CCRRFi	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Propylene	54414	**0.095**	0.527	0.429	-22.8	**30**	IN	**PFB**
Dichlorodifluoromethane	103322	**0.095**	1.001	0.986	-1.5	**30**	IN	**PFB**
Methanol	39900	**0.157**	0.234	0.397	41.0	**50**	IN	**PFB**
Chloromethane	88100	**0.095**	0.853	0.699	-22.1	**30**	IN	**PFB**
1,2-Dichlorotetrafluoroethane	145241	**0.095**	1.407	1.135	-23.9	**30**	IN	**PFB**
Vinyl chloride	71042	**0.095**	0.688	0.617	-11.6	**30**	IN	**PFB**
1,3-Butadiene	39380	**0.095**	0.381	0.326	-16.9	**30**	IN	**PFB**
Bromomethane	36904	**0.095**	0.357	0.331	-8.1	**30**	IN	**PFB**
Chloroethane	26671	**0.095**	0.258	0.204	-26.3	**30**	IN	**PFB**
Ethanol	465[illegible]					**0**	IN	**PFB**
Acrolein	217					**0**	IN	**PFB**
Trichlorofluoromethane	683					**0**	IN	**PFB**
Acetone	265					**0**	IN	**PFB**
2-propanol (isopropylalcohol)	1132					**0**	IN	**PFB**
t-Butyl alcohol	8082					**0**	IN	**PFB**
Methyl Iodide	1115	0.1 mL				**0**	IN	**PFB**
1,1-Dichloroethene	11399					**0**	IN	**PFB**
Acrylonitrile	4297					**0**	IN	**PFB**
1,1,2-Trichlorotrifluoroethane	4752						IN	**PFB**
Allyl chloride	708						IN	**PFB**
Methylene chloride	2994						IN	**PFB**
Carbon disulfide	73641						IN	**PFB**
trans-1,2-Dichloroethene	38166						IN	**PFB**
Methyl tert butyl ether	89130						IN	**PFB**
Propionitrile	44909						IN	**PFB**
1,1-Dichloroethane	75719		[illegible]	0.724	-9.4	**30**	IN	**PFB**
Ethyl tert butyl ether	82524	**0.060**	1.266	0.977	-29.6	**40**	IN	**PFB**
Vinyl acetate	9637	**0.091**	0.097	0.110	11.6	**40**	IN	**PFB**
2-Butanone (MEK)	28631	**0.106**	0.249	0.190	-30.7	**40**	IN	**PFB**
Diisopropyl ether	15135	**0.054**	0.258	0.258	0.2	**40**	IN	**PFB**
Hexane	101932	**0.077**	1.218	1.065	-14.4	**40**	IN	**PFB**
Methacrylonitrile	28051	**0.100**	0.258	0.226	-14.1	**40**	IN	**PFB**
Ethyl acetate	12672	**0.091**	0.128	0.127	-1.0	**40**	IN	**PFB**
Bromochloromethane	44144	**0.055**	0.739	0.615	-20.0	**30**	IN	**PFB**

Compound	Area Astd	Cal Level Cstd ppbv	CCRRFf	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
Methyl acrylate	16929	0.049	0.318	0.482	34.1	40	IN	PFB
Tetrahydrofuran	29029	0.108	0.247	0.188	-31.8	40	IN	PFB
Isobutyl alcohol	3275	0.078	0.039	0.048	18.8	40	IN	PFB
cis-1,2-Dichloroethene	50562	0.094	0.495	0.401	-23.3	30	IN	PFB
2,2-Dichloropropane	48009	0.092	0.480	0.454	-5.7	30	IN	PFB
Chloroform	69683	0.095	0.675	0.592	-14.0	30	IN	PFB
1,1,1-Trichloroethane	57584	0.084	0.424	0.348	-21.8	30	IN	14DFB
1,2-Dichloroethane	49951	0.087	0.355	0.322	-10.3	30	IN	14DFB
1,1-Dichloropropene	45623	0.068	0.415	0.418	0.9	30	IN	14DFB
Cyclohexane	70951	0.079	0.555	0.550	-0.9	30	IN	14DFB
Benzene	121400	0.089	0.843	0.984	14.3	30	IN	14DFB
Carbon tetrachloride	31644	0.090	0.217	0.224	3.2	30	IN	14DFB
t-Amyl methyl ether	50114	0.046	0.673	0.764	11.9	40	IN	14DFB
2,2,4-Trimethylpentane	190458	0.056	2.101	1.663	-26.3	30	IN	14DFB
n-Heptane	33619	0.063	0.330	0.306	-7.7	30	IN	14DFB
1,2-Dichloropropane	49701	0.092	0.334	0.355	6.0	30	IN	14DFB
1,4 Dioxane	49459	0.175	0.175	0.212	17.7	40	IN	14DFB
Dibromomethane	14268	0.039	0.226	0.262	13.6	30	IN	14DFB
Trichloroethene (TCE)	63382	0.089	0.440	0.364	-20.9	30	IN	14DFB
Bromodichloromethane	20957	0.042	0.308	0.410	24.7	40	IN	14DFB
Methyl methacrylate	27681	0.070	0.244	0.270	9.4	40	IN	14DFB
4-Methyl-2-pentanone (MIBK)	53255	0.078	0.422	0.326	-29.4	40	IN	14DFB
cis-1,3-Dichloropropene	61097	0.091	0.415	0.397	-4.4	30	IN	14DFB
Toluene	174704	0.092	1.173	0.911	-28.7	30	IN	14DFB
trans-1,3-Dichloropropene	75768	0.091	0.514	0.411	-25.1	30	IN	14DFB
1,1,2-Trichloroethane	39275	0.090	0.270	0.231	-16.5	30	IN	14DFB
Ethyl methacrylate	35199	0.048	0.453	0.477	5.0	40	IN	14DFB
2-Hexanone	91829	0.074	0.767	0.556	-37.8	40	IN	14DFB
1,3-Dichloropropane	77643	0.068	0.705	0.576	-22.5	30	IN	14DFB
Octane	43085	0.057	0.467	0.367	-27.1	30	IN	14DFB
Dibromochloromethane	37613	0.041	0.567	0.426	-33.2	40	IN	14DFB
1,2-Dibromoethane (EDB)	48551	0.046	0.652	0.596	-9.4	30	IN	14DFB
Tetrachloroethene (PCE)	37865	0.046	0.509	0.413	-23.1	30	IN	14DFB
Chlorobenzene	131252	0.087	0.942	0.888	-6.1	30	IN	d5CB
1,1,1,2-Tetrachloroethane	22378	0.043	0.325	0.269	-20.9	30	IN	d5CB
Ethylbenzene	179827	0.093	1.207	0.994	-21.4	30	IN	d5CB
m,p-Xylenes	126018	0.093	0.846	0.842	-0.5	30	IN	d5CB
Nonane	74950	0.049	0.955	0.844	-13.1	30	IN	d5CB
Styrene	81786	0.091	0.561	0.617	9.1	30	IN	d5CB
Bromoform	21477	0.028	0.479	0.371	-29.0	40	IN	d5CB
o-Xylene	143931	0.091	0.987	0.860	-14.8	30	IN	d5CB
1,1,2,2-Tetrachloroethane	87477	0.047	1.162	1.061	-9.6	30	IN	d5CB
1,2,3-Trichloropropane	20487	0.051	0.251	0.221	-13.7	30	IN	d5CB
t-1,4-Dichloro-2-butene	8612	0.058	0.093	0.119	22.2	40	IN	d5CB
n-Propylbenzene	152106	0.064	1.484	1.450	-2.3	30	IN	d5CB
Isopropylbenzene	105024	0.065	1.009	0.859	-17.4	30	IN	d5CB
4-Ethyltoluene	277505	0.155	1.118	0.958	-16.7	30	IN	d5CB
1,3,5-Trimethylbenzene	158329	0.091	1.086	1.029	-5.6	30	IN	d5CB
Decane	122139	0.053	1.439	1.258	-14.4	30	IN	d5CB
tert-butyl benzene	102598	0.057	1.124	1.036	-8.5	40	IN	d5CB

Compound	Area Astd1	Cal Level Cstd1 ppbv	CCRRF1	ICALRF AvgRFn	%Dev	%Dev Limit	%Dev Flag	Quant IS
1,2,4-Trimethylbenzene	141466	**0.090**	0.987	1.056	6.6	**30**	IN	**d5CB**
i-Butylbenzene	308846	**0.057**	3.383	1.625	-108.1	**40**	OUT	**d5CB**
sec-butylbenzene	125203	**0.061**	1.292	1.547	16.5	**40**	IN	**d5CB**
1,3-Dichlorobenzene	81958	**0.071**	0.726	0.712	-2.0	**40**	IN	**d5CB**
Isopropyltoluene	196263	**0.060**	2.052	1.290	-59.1	**40**	OUT	**d5CB**
Benzyl chloride	98710	**0.063**	0.981	0.842	-16.5	**40**	IN	**d5CB**
1,4-Dichlorobenzene	80700	**0.066**	0.766	0.768	0.3	**40**	IN	**d5CB**
n-Butylbenzene	228984	**0.056**	2.553	2.233	-14.3	**40**	IN	**d5CB**
1,2-Dichlorobenzene	91061	**0.065**	0.876	0.886	1.2	**40**	IN	**d5CB**
1,2-Dibromo-3-chloropropane	30477	**0.063**	0.303	0.336	9.9	**50**	IN	**d5CB**
1,2,4-Trichlorobenzene	11272	**0.039**	0.180	0.200	10.1	**50**	IN	**d5CB**
Naphthalene	9441	**0.015**	0.393	0.440	10.7	**50**	IN	**d5CB**
1,2,3-Trichlorobenzene	12011	**0.049**	0.153	0.160	4.4	**50**	IN	**d5CB**
Hexachlorobutadiene	20541	**0.025**	0.513	0.481	-6.7	**50**	IN	**d5CB**
1,1-Difluoroethane	59400	**0.095**	0.390	0.344	-13.5	**50**	IN	**d5CB**
Pentafluorobenzene	5433621	**5.000**		0.000				
1,4-Difluorobenzene	8093158	**5.000**		0.000				
Chlorobenzene-d5	8008525	**5.000**		0.000				
Toluene-d8	3873202	**2.500**		0.000				

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	**LABQC**		
				EAS ID:	**C08056**		
File Name:	C08056B.D	**Method:**	**TO-15**	**Date Sampled:**	**NA**	**Time:**	**NA**
Sample ID:	ST62126	**Matrix:**	**AA**	**Date Received:**	**NA**	**Time:**	**NA**
MiscInfo-Vol:	0.1 ML	**Detect:**	**ND**	**Date Analyzed:**	**8/5/26**	**Time:**	**11:36**
Anal Date:	5 Aug 126 11:36 am	**SF:**	**2**	**QCbatch:**	**080526-MA1**		
Quant Method:	B15CS3_C.M	**MDLSF:**	**2**	**Volume:**	**0.1**		
Run Method:	B1563_C.M	**Type:**	**TRG**	**Can (Vial) No:**	**NA**		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	**MA1**	**Can Factor:**	**1.00**		
Instrument:	5970 - MS	**EDD SURR:**	**PERCENT**	**SamType:**	**MB**		
Analyst:	KL	**UnitDil:**	**1000**	PPBV			
Template:	**B15CHIQ.MA1**	**MDL FAC**	**1**	UG/M3			
Temp	**24.5**	**EFLAG:**	**1.3**				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	TRG	0.117	1.69	42.00	54414
75-71-8	Dichlorodifluoromethane	3	TRG	0.184	1.74	85.00	103322
67-56-1	Methanol	4	TRG	0.093	2.49	31.00	39900
74-87-3	Chloromethane	5	TRG	0.395	2.03	50.00	88100
76-14-2	1,2-Dichlorotetrafluoroetha	6	TRG	-4.325	1.91	85.00	145241
75-01-4	Vinyl chloride	7	TRG	0.106	2.07	62.00	71042
106-99-0	1,3-Butadiene	8	TRG	0.111	2.17	54.00	39380
74-83-9	Bromomethane	9	TRG	0.481	2.44	94.00	36904
75-00-3	Chloroethane	10	TRG	0.470	2.68	64.00	26671
64-17-5	Ethanol	11	TRG	0.435	3.39	46.00	46507
107-02-8	Acrolein	12	TRG	0.165	3.75	56.00	21735
75-69-4	Trichlorofluoromethane	13	TRG	0.103	2.78	101.00	68335
67-64-1	Acetone	14	TRG	0.121	4.13	58.00	26531
67-63-0	2-propanol (isopropylalcoh	15	TRG	0.112	3.99	45.00	113249
75-65-0	t-Butyl alcohol	16	TRG	0.083	4.50	59.00	80825
4227-95-6	Methyl iodide	17	TRG	0.184	3.51	142.00	11154
75-35-4	1,1-Dichloroethene	18	TRG	-2.404	3.36	61.00	113992
107-13-1	Acrylonitrile	19	TRG	0.144	4.96	53.00	42973
76-13-1	1,1,2-Trichlorotrifluoroetha	20	TRG	0.097	3.45	151.00	47523
107-05-1	Allyl chloride	21	TRG	0.119	2.88	76.00	7086
75-09-2	Methylene chloride	22	TRG	0.091	4.03	84.00	29945
75-15-0	Carbon disulfide	23	TRG	0.108	3.45	76.00	73647
156-60-5	trans-1,2-Dichloroethene	24	TRG	0.090	4.28	96.00	38166
1634-04-4	Methyl tert butyl ether	25	TRG	0.098	4.42	73.00	89130
107-12-0	Propionitrile	26	TRG	0.159	6.49	54.00	44909
75-34-3	1,1-Dichloroethane	27	TRG	0.096	4.94	63.00	75719
637-92-3	Ethyl tert butyl ether	28	TRG	0.078	5.22	59.00	82524
108-05-4	Vinyl acetate	29	TRG	0.487	5.74	43.00	9637
78-93-3	2-Butanone (MEK)	30	TRG	0.139	6.18	72.00	28631
108-20-3	Diisopropyl ether	31	TRG	0.054	4.81	87.00	15135
110-54-3	Hexane	32	TRG	0.088	4.33	57.00	101932
126-98-7	Methacrylonitrile	33	TRG	0.114	6.51	67.00	28051
141-78-6	Ethyl acetate	34	TRG	0.092	6.71	61.00	12672
74-97-5	Bromochloromethane	35	TRG	0.066	5.76	49.00	44144

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
96-33-3	Methyl acrylate	36	TRG	0.032	5.98	55.00	16929
109-99-9	Tetrahydrofuran	37	TRG	0.142	6.18	72.00	29029
78-83-1	Isobutyl alcohol	38	TRG	0.063	6.76	74.00	3275
156-59-2	cis-1,2-Dichloroethene	39	TRG	0.116	5.54	96.00	50562
594-20-7	2,2-Dichloropropane	40	TRG	0.097	5.64	77.00	48009
67-66-3	Chloroform	41	TRG	0.108	5.83	83.00	**69683**
71-55-6	1,1,1-Trichloroethane	43	TRG	0.102	6.08	97.00	57584
107-06-2	1,2-Dichloroethane	44	TRG	0.096	6.71	61.95	49951
563-58-6	1,1-Dichloropropene	45	TRG	0.067	6.20	75.00	45623
110-82-7	Cyclohexane	46	TRG	0.080	5.78	56.00	70951
71-43-2	Benzene	47	TRG	0.076	6.49	78.00	121400
56-23-5	Carbon tetrachloride	48	TRG	0.087	6.01	116.90	31644
994-05-8	t-Amyl methyl ether	49	TRG	0.041	6.63	73.00	50114
540-84-1	2,2,4-Trimethylpentane	50	TRG	0.071	6.34	57.00	190458
142-82-5	n-Heptane	51	TRG	0.068	6.49	71.00	33619
78-87-5	1,2-Dichloropropane	52	TRG	0.086	7.77	63.00	49701
123-91-1	1,4 Dioxane	53	TRG	0.144	8.09	88.00	49459
74-95-3	Dibromomethane	54	TRG	0.034	7.65	174.00	14268
79-01-6	Trichloroethene (TCE)	55	TRG	0.108	6.49	130.00	63382
75-27-4	Bromodichloromethane	56	TRG	0.032	7.85	83.00	20957
80-62-6	Methyl methacrylate	57	TRG	0.063	8.05	69.00	27681
108-10-1	4-Methyl-2-pentanone (MI	58	TRG	0.101	9.40	58.00	53255
10061-01-5	cis-1,3-Dichloropropene	59	TRG	0.095	8.62	75.00	**61097**
108-88-3	Toluene	61	TRG	0.118	8.92	91.00	174704
10061-02-6	trans-1,3-Dichloropropene	62	TRG	0.114	9.43	75.00	75768
79-00-5	1,1,2-Trichloroethane	63	TRG	0.105	9.63	61.00	39275
97-63-2	Ethyl methacrylate	64	TRG	0.046	9.67	69.00	35199
591-78-6	2-Hexanone	65	TRG	0.102	10.50	58.00	91829
142-28-9	1,3-Dichloropropane	66	TRG	0.083	10.00	76.00	77643
111-65-9	Octane	67	TRG	0.072	8.72	85.00	43085
124-48-1	Dibromochloromethane	68	TRG	0.055	9.87	129.00	37613
106-93-4	1,2-Dibromoethane (EDB)	69	TRG	0.050	10.18	107.00	48551
127-18-4	Tetrachloroethene (PCE)	70	TRG	0.057	9.41	166.00	37865
108-90-7	Chlorobenzene	72	TRG	0.113	10.91	112.00	131252
630-20-6	1,1,1,2-Tetrachloroethane	73	TRG	0.052	11.00	131.00	22378
100-41-4	Ethylbenzene	74	TRG	0.113	10.94	106	179827
1330-20-7	m,p-Xylenes	75	TRG	0.093	11.15	91.00	126018
111-84-2	Nonane	76	TRG	0.055	10.86	57.00	74950
100-42-5	Styrene	77	TRG	0.083	11.83	104.00	81786
75-25-2	Bromoform	78	TRG	0.036	11.86	173.00	21477
95-47-6	o-Xylene	79	TRG	0.104	11.76	91.00	143931
79-34-5	1,1,2,2-Tetrachloroethane	80	TRG	0.051	12.92	83.00	87477
96-18-4	1,2,3-Trichloropropane	81	TRG	0.058	13.12	110.00	20487
110-57-6	t-1,4-Dichloro-2-butene	82	TRG	0.300	13.21	53.00	8612
103-65-1	n-Propylbenzene	83	TRG	0.065	12.83	91.00	152106
98-82-8	Isopropylbenzene	84	TRG	0.076	12.24	105.00	105024
622-96-8	4-Ethyltoluene	85	TRG	0.181	13.00	105.00	277505
108-67-8	1,3,5-Trimethylbenzene	86	TRG	0.096	13.12	105.00	158329
124-18-5	Decane	87	TRG	0.061	12.85	57.00	122139
98-06-6	tert-butyl benzene	88	TRG	0.062	13.61	119.00	102598

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
95-63-6	1,2,4-Trimethylbenzene	89	TRG	0.084	13.71	105.00	141466
538-93-2	i-Butylbenzene	90	TRG	0.119	13.89	91.00	308846
135-98-8	sec-butylbenzene	91	TRG	0.051	13.87	105.00	125203
541-73-1	1,3-Dichlorobenzene	92	TRG	0.072	14.19	146.00	81958
99-87-6	Isopropyltoluene	93	TRG	0.095	14.10	119.00	196263
100-44-7	Benzyl chloride	94	TRG	0.073	13.31	91.00	98710
106-46-7	1,4-Dichlorobenzene	95	TRG	0.066	14.34	146.00	80700
104-51-8	n-Butylbenzene	96	TRG	0.064	14.76	91.00	228984
95-50-1	1,2-Dichlorobenzene	97	TRG	0.064	15.01	146.00	91061
96-12-8	1,2-Dibromo-3-chloropropa	98	TRG	0.057	16.27	75.00	30477
120-82-1	1,2,4-Trichlorobenzene	99	TRG	0.035	17.40	180.00	11272
91-20-3	Naphthalene	100	TRG	0.013	17.95	128.00	9441
87-61-6	1,2,3-Trichlorobenzene	101	TRG	0.047	17.42	180.00	12011
87-68-3	Hexachlorobutadiene	102	TRG	0.027	17.34	225.00	20541
75-37-6	1,1-Difluoroethane	103	TRG	0.108	1.83	51.00	59400
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**5433621**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8093158**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8008525**
2037-26-5	Toluene-d8	61	SURR	2.126	8.85	98.00	**3873202**

Initial Calibration Data Packages

Samples were analyzed using the methods listed in Section 3. For each of the methods there is an Initial Calibration Curve that meets the criteria defined in Section 2 on Quality Control for the modified method.

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Response Factors
Quant Report

INITIAL CALIBRATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

File Name:	B08146D.D	**SDG:**	**LABQC**
Sample ID:	METHOD BLANK	**QC_Batch:**	**B08146**
Sample Analysis Date:	14 Aug 126 12:25 pm	IS Conc	5.0
Run Method:	B1563_C.M		
Quant and Calibration Method:	B15CS3_C.M		
Cal Update:	Fri Aug 07 13:09:23 2026 EPA T0-15		
Template:	B15CHIQ.MA1		

Calibration and Response Data Downloaded from Chemsation

		Calibration Amount CA, ppmv						Calibration Response, Area						Calibration	
		Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 1	Level 2
		Amt	Amt	Amt	Amt	Amt	Amt	C07306G.D	C07306D.D	C07306H.D	C07306P.D	C07306L.D	C07306M.D	C07306G.D	C07306D.D
n	Compound	0.25	1.0	2.0	5.0	10.0	20.0	0.25	1.0	2.0	5.0	10.0	20.0	0.25	1.0
2	Propylene	0.240	0.950	1.900	4.750	9.500	19.000	160523	558979	1015152	2191887	4722119	9771112	0.02251136	0.09916948
3	Dichlorodifluoromethane	0.238	0.950	1.900	4.750	9.500	19.000	357141	1346223	2920310	5576653	9339118	14903510	0.05008461	0.23883587
4	Methanol	0.393	1.570	3.148	7.870	15.700	31.480	161912	762824	1492991	4199923	8431664	16852414	0.02270615	0.13533399
5	Chloromethane	0.238	0.950	1.900	4.750	9.500	19.000	240606	878486	1552351	4133426	7790011	15781789	0.03374201	0.1558538
6	1,2-Dichlorotetrafluoroethane	0.238	0.950	1.900	4.750	9.500	19.000	374074	1553474	2778821	6988265	13417566	15438824	0.05245925	0.27560465
7	Vinyl chloride	0.238	0.950	1.900	4.750	9.500	19.000	205429	805233	1490952	3409344	7622224	11317700	0.02880887	0.14285785
8	1,3-Butadiene	0.238	0.950	1.900	4.750	9.500	19.000	103183	333151	697714	2084138	3915965	9115067	0.01447014	0.05910493
9	Bromomethane	0.238	0.950	1.900	4.750	9.500	19.000	114636	378529	721369	1861314	4012189	8344722	0.01607628	0.06715552
10	Chloroethane	0.238	0.950	1.900	4.750	9.500	19.000	69318	226647	430689	1238833	2436116	5287047	0.00972099	0.04020986
11	Ethanol	0.803	3.210	6.420	16.040	32.080	64.160	68404	399552	806703	2333191	3831560	8820894	0.00959281	0.07088525
12	Acrolein	0.344	1.380	2.760	6.890	13.780	27.560	60096	197878	361659	1090557	1968789	4761201	0.00842772	0.0351059
13	Trichlorofluoromethane	0.228	0.910	1.830	4.560	9.130	18.260	182235	655188	1259877	3543848	7549280	14231504	0.0255562	0.1162381
14	Acetone	0.320	1.280	2.550	6.380	12.750	25.510	113099	268414	505971	1919494	2675342	6713977	0.01586074	0.04761982
15	2-propanol (isopropylalcohol)	0.308	1.230	2.450	6.140	12.270	24.550	381959	1352241	3077088	7380291	14218491	24831828	0.05356502	0.23990354
16	t-Butyl alcohol	0.228	0.910	1.820	4.560	9.120	18.250	328657	925122	1982501	5229663	9334978	19773864	0.04609008	0.16412758
17	Methyl iodide	0.070	0.280	0.560	1.390	2.780	5.560	37661	130715	248270	152223	1201610	2096532	0.00528149	0.02319039
18	1,1-Dichloroethene	0.217	0.870	1.740	4.350	8.690	17.380	230663	1091608	2005671	5130836	11634276	15764985	0.03234763	0.19366416
19	Acrylonitrile	0.264	1.050	2.110	5.270	10.550	21.100	87665	272524	620079	2039580	4016229	9262702	0.01229393	0.04834898
20	1,1,2-Trichlorotrifluoroethane	0.210	0.840	1.680	4.200	8.410	16.810	118346	453538	840220	2377859	5333292	9682372	0.01659656	0.080463
21	Allyl chloride	0.250	1.000	1.990	4.990	9.970	19.950	19010	64556	110435	351629	858696	1009788	0.00266592	0.011453
22	Methylene chloride	0.229	0.920	1.830	4.580	9.160	18.310	88038	344571	627505	1727488	3640246	7386092	0.01234624	0.06113097
23	Carbon disulfide	0.240	0.960	1.930	4.810	9.630	19.260	245460	793167	1575838	2502854	8561913	13550678	0.03442273	0.1407172

n	Compound	Amt 0.25	Amt 1.0	Amt 2.0	Amt 5.0	Amt 10.0	Amt 20.0	C07306G.D 0.25	C07306D.D 1.0	C07306H.D 2.0	C07306P.D 5.0	C07306L.D 10.0	C07306M.D 20.0	C07306G.D 0.25	C07306D.D 1.0
24	trans-1,2-Dichloroethene	0.187	0.750	1.500	3.740	7.490	14.970	94902	335805	665939	1877552	4091133	7593472	0.01330883	0.05957578
25	Methyl tert butyl ether	0.191	0.760	1.530	3.820	7.640	15.290	228250	714547	1394398	4445939	7592731	17159892	0.03200924	0.12676908
26	Propionitrile	0.325	1.300	2.600	6.510	13.020	26.030	88424	324053	754256	2461744	4892743	10319650	0.01240037	0.05749083
27	1,1-Dichloroethane	0.219	0.880	1.750	4.380	8.760	17.520	214699	634499	1275661	4606606	8702755	17068071	0.03010888	0.11256762
28	Ethyl tert butyl ether	0.151	0.600	1.200	3.010	6.020	12.050	207659	669372	1328594	3775047	7160477	16858069	0.0291216	0.11875451
29	Vinyl acetate	0.228	0.910	1.820	4.560	9.110	18.220	39117	122958	218806	609699	1299075	2336400	0.00548568	0.0218142
30	2-Butanone (MEK)	0.264	1.060	2.110	5.280	10.550	21.110	67129	198028	475536	1241354	2801285	6015640	0.00941401	0.03513251
31	Diisopropyl ether	0.135	0.540	1.080	2.700	5.400	10.800	42677	153876	293263	906343	2026211	3954020	0.00598492	0.02729942
32	Hexane	0.193	0.770	1.530	3.830	7.660	15.320	265239	974948	1844999	5488411	10843394	19819998	0.03719649	0.1729673
33	Methacrylonitrile	0.249	1.000	1.990	4.980	9.950	19.910	82599	237128	479261	1442739	2997174	6403948	0.01158349	0.04206931
34	Ethyl acetate	0.227	0.910	1.820	4.540	9.080	18.160	33159	136668	269405	694543	1564139	3582223	0.00465014	0.02424652
35	Bromochloromethane	0.138	0.550	1.100	2.760	5.520	11.050	110472	362637	767053	2256887	4563167	9475067	0.01549233	0.06433609
36	Methyl acrylate	0.123	0.490	0.980	2.460	4.910	9.830	67699	258089	529692	1468979	3472367	7262129	0.00949395	0.04578804
37	Tetrahydrofuran	0.270	1.080	2.150	5.380	10.770	21.530	65152	207213	428192	1389036	2907322	5411249	0.00913676	0.03676204
38	Isobutyl alcohol	-1.000	0.780	1.510	3.780	7.570	15.130	0	38566	92873	221815	447584	1023795	0	0.00684206
39	cis-1,2-Dichloroethene	0.236	0.940	1.890	4.720	9.430	18.870	122580	424381	839584	2421095	5380191	9945345	0.01719033	0.07529021
40	2,2-Dichloropropane	0.231	0.920	1.850	4.620	9.230	18.460	144282	442146	968091	2707791	5385846	12247850	0.02023376	0.07844193
41	Chloroform	0.238	0.950	1.910	4.770	9.540	19.070	189462	605541	1192541	3802658	7586186	15789443	0.0265697	0.10743013
42	1,1,1-Trichloroethane	0.211	0.840	1.680	4.210	8.420	16.840	160595	480345	982775	3009253	5765951	12982639	0.02252146	0.08521888
43	1,2-Dichloroethane	0.217	0.870	1.730	4.340	8.670	17.350	160719	419195	874138	2894000	5880849	12189234	0.01442626	0.04645528
44	1,1-Dichloropropene	0.171	0.680	1.370	3.420	6.830	13.660	129913	467977	928148	2955258	6734375	12048910	0.01166109	0.05186131
45	Cyclohexane	0.198	0.790	1.590	3.970	7.940	15.880	214512	790504	1490487	4407247	9419730	17087158	0.01925477	0.08760382
46	Benzene	0.223	0.890	1.790	4.460	8.930	17.850	627189	1784826	3007611	7991805	16893388	22539569	0.05629698	0.19779479
48	Carbon tetrachloride	0.225	0.900	1.800	4.500	8.990	17.980	78370	327156	745047	1712423	4773575	11162775	0.00703455	0.0362555
49	t-Amyl methyl ether	0.115	0.460	0.920	2.300	4.600	9.200	190847	588341	1156870	3602963	7011709	15538236	0.01713058	0.06520007
50	2,2,4-Trimethylpentane	0.141	0.560	1.130	2.820	5.650	11.300	466879	1754560	3451130	9896550	20885976	26892663	0.04190743	0.1944407
51	n-Heptane	0.157	0.630	1.260	3.140	6.280	12.560	88347	327861	683809	2011038	4385398	7262644	0.0079301	0.03633362
52	1,2-Dichloropropane	0.229	0.920	1.830	4.580	9.150	18.300	158037	548032	1060016	3459470	6781086	14437221	0.01418553	0.06073302
53	1,4 Dioxane	0.438	1.750	3.500	8.760	17.520	35.030	219623	558452	1212604	4013719	7748876	14354841	0.01971353	0.06188777
54	Dibromomethane	0.098	0.390	0.780	1.950	3.900	7.810	54186	167702	323563	1021359	2203608	4534754	0.00486378	0.01858477
55	Trichloroethene (TCE)	0.221	0.890	1.770	4.430	8.860	17.710	154609	557974	1029356	3223836	7898936	12015257	0.01387783	0.06183479
56	Bromodichloromethane	0.104	0.420	0.830	2.080	4.170	8.330	70683	276348	569255	1682222	3943405	8560657	0.00634456	0.03062494
57	Methyl methacrylate	0.175	0.700	1.400	3.510	7.010	14.020	94347	300830	611795	1736475	4392077	9049467	0.00846866	0.03333804
58	4-Methyl-2-pentanone (MIBK)	0.438	0.780	1.570	3.920	7.840	15.690	176928	483103	893548	2799632	5699561	11537128	0.0158812	0.05353757
59	cis-1,3-Dichloropropene	0.228	0.910	1.820	4.550	9.100	18.210	149500	564427	1142755	3779408	8667651	17112344	0.01341924	0.06254992
61	Toluene	0.230	0.920	1.830	4.580	9.160	18.310	474844	1424785	2822503	8283334	19761202	25546502	0.04262237	0.15789497
62	trans-1,3-Dichloropropene	0.228	0.910	1.820	4.560	9.110	18.220	162930	539562	1210624	3832653	9008252	18440626	0.01462473	0.05979437
63	1,1,2-Trichloroethane	0.226	0.900	1.810	4.520	9.030	18.070	127362	341308	652759	2007482	4492784	8487258	0.01143211	0.03782382

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n	Compound	Amt 0.25	Amt 1.0	Amt 2.0	Amt 5.0	Amt 10.0	Amt 20.0	C07306G.D 0.25	C07306D.D 1.0	C07306H.D 2.0	C07306P.D 5.0	C07306L.D 10.0	C07306M.D 20.0	C07306G.D 0.25	C07306D.D 1.0
64	Ethyl methacrylate	0.120	0.480	0.960	2.390	4.790	9.580	109624	341341	721185	2218869	5595305	10579978	0.00983994	0.03782748
65	2-Hexanone	0.185	0.740	1.470	3.680	7.350	14.710	181853	636539	1334299	4472732	9327197	18184668	0.01632327	0.07054138
66	1,3-Dichloropropane	0.170	0.680	1.360	3.410	6.810	13.620	218557	640315	1258747	3808042	8540256	16814973	0.01961785	0.07095984
67	Octane	0.141	0.570	1.130	2.830	5.650	11.300	104229	323570	627557	2158788	4946440	8701809	0.00935568	0.03585809
68	Dibromochloromethane	0.137	0.410	0.830	2.070	4.140	8.280	73297	275505	583799	1577143	4711264	9780292	0.0065792	0.03053152
69	1,2-Dibromoethane (EDB)	0.115	0.460	0.920	2.310	4.610	9.230	138554	431480	868473	2627516	6335442	12953721	0.01243672	0.0478167
70	Tetrachloroethene (PCE)	0.116	0.460	0.930	2.310	4.630	9.260	89657	309804	606853	2013428	4561056	7657183	0.00804768	0.03433254
72	Chlorobenzene	0.218	0.870	1.730	4.330	8.650	17.300	400409	1335997	2546950	7974771	18396562	24063829	0.03594103	0.14805547
73	1,1,1,2-Tetrachloroethane	0.107	0.430	0.860	2.150	4.290	8.590	67235	223665	430071	1183611	3763281	6753848	0.00502791	0.02316744
74	Ethylbenzene	0.230	0.930	1.860	4.640	9.290	18.570	677909	1971107	3977469	11885870	24695685	28679681	0.05069477	0.20416915
75	m,p-Xylenes	0.233	0.930	1.860	4.660	9.310	18.620	524445	1594586	3223773	9893005	23667572	28013189	0.03921857	0.16516875
76	Nonane	0.123	0.490	0.990	2.470	4.930	9.860	263125	753686	1543768	5402981	12872519	19279599	0.01967677	0.07806752
77	Styrene	0.228	0.910	1.820	4.550	9.100	18.190	315737	946749	2107090	7814324	18582570	25415800	0.02361116	0.09806517
78	Bromoform	0.070	0.280	0.560	1.390	2.780	5.560	53574	179925	365287	974516	3844747	6892233	0.00400632	0.0186368
79	o-Xylene	0.228	0.910	1.810	4.530	9.050	18.110	556274	1524717	3062523	10174117	22674108	28690716	0.04159877	0.15793165
80	1,1,2,2-Tetrachloroethane	0.118	0.470	0.940	2.350	4.710	9.410	372328	947390	1732836	5795393	14846826	23684981	0.02784309	0.09813157
81	1,2,3-Trichloropropane	0.128	0.510	1.020	2.550	5.100	10.200	80532	210750	393226	1343509	3304664	5571448	0.00602227	0.02182969
82	t-1,4-Dichloro-2-butene	0.145	0.580	1.150	2.890	5.770	11.540	36675	108492	142573	742497	2694529	5109016	0.0027426	0.01123771
83	n-Propylbenzene	0.160	0.640	1.280	3.210	6.420	12.840	718602	1897965	3782439	11888965	25924525	29399055	0.05373784	0.19659304
84	Isopropylbenzene	0.153	0.650	1.300	3.240	6.490	12.980	379226	1019491	2042880	7029046	16619100	24220637	0.02835893	0.10559986
85	4-Ethyltoluene	0.363	1.550	3.110	7.770	15.540	31.080	1251117	3383070	6891640	19504431	30521967	33618478	0.09355989	0.35042164
86	1,3,5-Trimethylbenzene	0.228	0.910	1.820	4.540	9.080	18.150	788317	1854884	3747351	11523307	26146299	28681133	0.0589512	0.19213066
87	Decane	0.123	0.530	1.050	2.630	5.250	10.510	515461	1177246	2414443	8678389	18804653	23812594	0.03854673	0.12194027
88	tert-butyl benzene	0.143	0.570	1.150	2.860	5.730	11.460	401491	1010708	2076106	7534161	20591632	24216797	0.03002393	0.1046901
89	1,2,4-Trimethylbenzene	0.224	0.895	1.790	4.460	8.930	13.360	733432	1727163	3525675	12142080	26044024	29326287	0.05484684	0.1789012
90	i-Butylbenzene	0.143	0.570	1.140	2.850	5.690	11.380	758364	1773330	3472411	12104311	25805804	31172491	0.05671128	0.18368322
91	sec-butylbenzene	0.151	0.605	1.210	2.650	6.040	12.080	802832	1826763	3632024	9996491	26437100	29459202	0.06003665	0.18921786
92	1,3-Dichlorobenzene	0.176	0.705	1.410	3.520	7.050	14.100	320636	863449	1551819	6275692	17685534	24170788	0.02397751	0.08943688
93	Isopropyltoluene	0.149	0.597	1.190	2.980	5.970	11.940	620531	1395266	2660982	10116586	23098349	27278134	0.04640398	0.14452299
94	Benzyl chloride	0.157	0.628	1.260	3.140	6.280	12.600	340521	828243	1858671	6768535	19177838	23251047	0.02546453	0.0857902
95	1,4-Dichlorobenzene	0.165	0.658	1.320	3.290	6.580	13.200	318162	879657	1604945	6369431	17778856	23993099	0.0237925	0.09111572
96	n-Butylbenzene	0.140	0.560	1.120	2.330	5.600	11.200	1013484	2444401	4350382	11315302	41156578	46568978	0.07578944	0.2531934
97	1,2-Dichlorobenzene	0.162	0.649	1.230	3.090	6.492	12.300	386609	968348	1692759	6944750	19593723	26185943	0.02891104	0.10030241
98	1,2-Dibromo-3-chloropropane	0.157	0.628	1.260	2.940	6.280	12.560	122365	391602	486925	2650262	6395252	13599803	0.00915059	0.04056251
99	1,2,4-Trichlorobenzene	0.098	0.391	0.782	1.955	3.910	7.820	38276	209028	139364	1089364	1547367	5869934	0.00286232	0.02165132
100	Naphthalene	0.038	0.150	0.310	0.765	1.530	3.060	33253	192470	108160	999943	1289071	4403773	0.0024867	0.01993623
101	1,2,3-Trichlorobenzene	0.123	0.491	0.980	2.455	4.910	9.820	38276	209028	143835	1089364	1547367	5869934	0.00286232	0.02165132
102	Hexachlorobutadiene	0.063	0.250	0.504	1.260	2.520	5.040	118805	218738	328951	1429689	2675547	6610398	0.00888437	0.02265709

n	Compound	Amt 0.25	Amt 1.0	Amt 2.0	Amt 5.0	Amt 10.0	Amt 20.0	C07306G.D 0.25	C07306D.D 1.0	C07306H.D 2.0	C07306P.D 5.0	C07306L.D 10.0	C07306M.D 20.0	C07306G.D 0.25	C07306D.D 1.0
103	1,1-Difluoroethane	0.238	0.950	1.900	4.750	9.500	19.000	212471	882581	1576205	3727059	7356428	11236933	0.01588881	0.09141859
1	Pentafluorobenzene	5.000	5.000	5.000	5.000	5.000	5.000	7130754	5636603	6910222	5091567	5400863	9067459		
42	1,4-Difluorobenzene	5.000	5.000	5.000	5.000	5.000	5.000	11140722	9023625	10591711	8017522	8326751	13099802		
71	Chlorobenzene-d5	5.000	5.000	5.000	5.000	5.000	5.000	13372365	9654284	12544105	9840832	12464844	14167011		
60	Toluene-d8	2.500	2.500	2.500	2.500	2.500	2.500	6199516	4717652	5603854	4648172	4903636	7852884		

This template is validated

Response / IS Response

Level 3	Level 4	Level 5	Level 6	
C07306H.D	C07306P.D	C07306L.D	C07306M.D	LR R^2
2.0	5.0	10.0	20.0	Value
0.14690584	0.4304936	0.87432675	1.07760201	0.91434922
0.42260726	1.09527244	1.72918995	1.64362585	0.73939483
0.31605543	0.82487827	1.56116976	1.85855971	0.89036572
0.32246456	0.81181805	1.44236412	1.74048639	0.89273303
0.40213194	1.37251754	2.48433741	1.70266268	0.54348267
0.31576036	0.66960604	1.41129742	1.24816666	0.73886103
0.10096839	0.40933135	0.72506283	1.00525042	0.94183243
0.10439158	0.36556801	0.74287924	0.92029333	0.9139378
0.06232636	0.24331075	0.45106051	0.58307923	0.9227927
0.11674053	0.45824615	0.70943477	0.97280771	0.92371086
0.05233681	0.21418887	0.3645323	0.52508658	0.95032391
0.18232077	0.69602305	1.39779143	1.56951402	0.86910727
0.07322066	0.37699474	0.49535454	0.74044746	0.92137061
0.4452951	1.44951269	2.63263316	2.73856524	0.81996316
0.28689397	1.02712249	1.7284234	2.18075031	0.90496463
0.03592793	0.02989708	0.22248481	0.23121494	0.81418534
0.29024697	1.00771256	2.15415129	1.73863317	0.6806517
0.08973359	0.40058002	0.74362727	1.02153227	0.94069161
0.12159088	0.46701909	0.98748885	1.06781536	0.85437372
0.0159814	0.06906106	0.15899237	0.11136394	0.59571009
0.09080823	0.33928415	0.67401191	0.81457131	0.90199542
0.22804448	0.49156851	1.58528609	1.49442948	0.79238426

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C07306H.D	C07306P.D	C07306L.D	C07306M.D	LR R^2
2.0	5.0	10.0	20.0	Value
0.09637013	0.3687572	0.75749616	0.83744211	0.86327187
0.20178773	0.8731966	1.40583662	1.89246976	0.92158107
0.10915076	0.48349437	0.90591874	1.13809723	0.91016196
0.18460492	0.90475211	1.61136378	1.88234333	0.87311202
0.19226502	0.74143127	1.32580238	1.85918337	0.94686253
0.03166411	0.11974683	0.240531	0.25766866	0.84624489
0.06881631	0.24380589	0.51867359	0.66343173	0.92661851
0.04243901	0.17800866	0.3751643	0.43606704	0.88707604
0.26699562	1.07794143	2.00771506	2.18583817	0.84612161
0.06935537	0.28335854	0.55494353	0.70625607	0.9198224
0.03898645	0.13641046	0.28960909	0.3950636	0.94793931
0.11100266	0.44325981	0.8448959	1.04495284	0.90687749
0.0766534	0.28851216	0.64292818	0.80090012	0.91819653
0.06196501	0.2728111	0.53830693	0.59677678	0.85977938
0.01343994	0.04356517	0.08287268	0.1129087	0.94908905
0.12149885	0.47551078	0.99617246	1.0968172	0.86207506
0.1400955	0.53181879	0.99721952	1.35074777	0.93936361
0.17257637	0.74685416	1.40462478	1.74133051	0.90634948
0.14222047	0.59102689	1.06759809	1.43178359	0.93254788
0.08253039	0.36095941	0.70625974	0.93048994	0.93094416
0.08762966	0.36859992	0.80876383	0.91977802	0.87916841
0.14072202	0.54970189	1.13126116	1.30438292	0.88285573
0.28395894	0.9967924	2.02880908	1.72060379	0.70798719
0.07034246	0.21358507	0.57328182	0.85213311	0.96982253
0.10922409	0.44938611	0.84207021	1.18614281	0.95023277
0.3258331	1.23436518	2.50829837	2.05290607	0.68434385
0.06456077	0.25083037	0.52666376	0.55440868	0.83929819
0.10007977	0.43148868	0.81437358	1.1020946	0.93798509
0.11448613	0.5006184	0.93060018	1.09580595	0.88273239
0.0305487	0.12739086	0.264642	0.34616966	0.9319109
0.09718505	0.4020988	0.94862162	0.91720905	0.80019281
0.05374533	0.2098182	0.47358267	0.65349514	0.95138498
0.05776168	0.216585	0.52746587	0.69080945	0.93702904
0.08436295	0.34918919	0.68448798	0.88071011	0.92172345
0.10789144	0.47139353	1.04094034	1.30630555	0.91904862
0.26648225	1.03315388	2.3732188	1.95014413	0.69982782
0.11429919	0.47803461	1.08184477	1.40770265	0.93269991
0.06162923	0.25038684	0.53956027	0.64789208	0.9022358

C07306H.D	C07306P.D	C07306L.D	C07306M.D	LR R^2
2.0	5.0	10.0	20.0	Value
0.06808957	0.27675247	0.67196737	0.80764412	0.90578603
0.12597577	0.55786963	1.12014842	1.38816358	0.90968134
0.11884265	0.47496496	1.02564085	1.28360513	0.9186802
0.05924982	0.26925876	0.59404202	0.66427027	0.87098939
0.05511848	0.19671203	0.56579859	0.74659846	0.93850302
0.08199553	0.32772171	0.76085402	0.98884861	0.93327801
0.05729509	0.25112847	0.54775938	0.58452662	0.84780634
0.24046634	0.9946678	2.20933255	1.83696128	0.70418522
0.03428471	0.1202755	0.3019116	0.47673062	0.98042369
0.31707874	1.20781149	1.98122696	2.02439887	0.7928362
0.25699506	1.00530169	1.89874594	1.97735352	0.82440155
0.12306721	0.54903701	1.03270598	1.36087979	0.92876143
0.16797452	0.79407148	1.49079844	1.79401287	0.89231192
0.02912021	0.09902781	0.30844726	0.48649874	0.97623968
0.24414041	1.03386756	1.81904467	2.02517779	0.85026629
0.13813947	0.58891291	1.19109601	1.67184038	0.95311077
0.03134747	0.13652392	0.26511876	0.39326912	0.9649463
0.01136574	0.07545063	0.21617029	0.36062766	0.98296884
0.3015312	1.208126	2.07981143	2.07517697	0.7866532
0.06285578	0.71427355	1.33327782	1.70965047	0.91871396
0.54939272	1.98199004	2.44864412	2.37301136	0.67478395
0.29873403	1.17096878	2.09760339	2.02450136	0.77308873
0.19247631	0.88187554	1.50861519	1.68084813	0.84577289
0.16550451	0.76560203	1.65197671	1.70937942	0.83087092
0.2810623	1.23384689	2.08939831	2.07004053	0.89502381
0.27681616	1.23000891	2.07028696	2.20035765	0.81862085
0.28954031	1.01581767	2.12093308	2.07942254	0.79389631
0.12370903	0.63771966	1.41883316	1.7061318	0.90194851
0.21213008	1.02802141	1.85307967	1.92546854	0.81501166
0.14817087	0.68780109	1.53855419	1.64121049	0.84744163
0.12794416	0.64724517	1.42631998	1.69358935	0.89563121
0.34680689	1.14983184	3.30181252	3.28714208	0.82049023
0.13494458	0.70570761	1.57191883	1.84837458	0.90836891
0.03881704	0.2693128	0.51306314	0.95996276	0.99145008
0.01110992	0.11069836	0.1241385	0.41433821	0.95204584
0.00862238	0.10161163	0.10341654	0.31084701	0.95053322
0.01146634	0.11069836	0.1241385	0.41433821	0.95212303
0.02622355	0.14528131	0.21464745	0.46660499	0.98985844

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C07306H.D	C07306P.D	C07306L.D	C07306M.D	LR R^2
2.0	5.0	10.0	20.0	Value
0.12565305	0.37873414	0.59017409	0.79317599	0.9236593

QR

2	Propylene	0.24	0.022511	0.993128
		0.95	0.099169	
		1.9	0.146906	
		4.75	0.430494	
		9.5	0.874327	
		19	1.077602	
3	Dichlorodifluoromethane	0.238	0.050085	0.998992
		0.95	0.238836	
		1.9	0.422607	
		4.75	1.095272	
		9.5	1.72919	
		19	1.643626	
4	Methanol	0.393	0.022706	0.993383
		1.57	0.135334	
		3.148	0.216055	
		7.87	0.824878	
		15.7	1.56117	
		31.48	1.85856	
5	Chloromethane	0.238	0.033742	0.994951
		0.95	0.155854	
		1.9	0.224646	
		4.75	0.811818	
		9.5	1.442364	
		19	1.740486	
6	1,2-Dichlorotetrafluoroethane	0.238	0.052459	0.98225
		0.95	0.275605	
		1.9	0.402132	
		4.75	1.372518	
		9.5	2.484337	
		19	1.702663	
7	Vinyl chloride	0.238	0.028809	0.978367
		0.95	0.142858	
		1.9	0.21576	
		4.75	0.669606	
		9.5	1.411297	
		19	1.248167	
8	1,3-Butadiene	0.238	0.01447	0.995881
		0.95	0.059105	
		1.9	0.100968	
		4.75	0.409331	
		9.5	0.725063	
		19	1.00525	
9	Bromomethane	0.238	0.016076	0.992193
		0.95	0.067156	
		1.9	0.104392	

QR

		4.75	0.365568	
		9.5	0.742879	
		19	0.920293	
10	Chloroethane	0.238	0.009721	0.994744
		0.95	0.04021	
		1.9	0.062326	
		4.75	0.243311	
		9.5	0.451061	
		19	0.583079	
11	Ethanol	0.803	0.009593	0.993875
		3.21	0.070885	
		6.42	0.116741	
		16.04	0.458246	
		32.08	0.709435	
		64.16	0.972808	
12	Acrolein	0.344	0.008428	0.995596
		1.38	0.035106	
		2.76	0.052337	
		6.89	0.214189	
		13.78	0.364532	
		27.56	0.525087	
13	Trichlorofluoromethane	0.228	0.025556	0.989186
		0.91	0.116238	
		1.83	0.182321	
		4.56	0.696023	
		9.13	1.397791	
		18.26	1.569514	
14	Acetone	0.32	0.015861	0.977771
		1.28	0.04762	
		2.55	0.073221	
		6.38	0.376995	
		12.75	0.495355	
		25.51	0.740447	
15	2-propanol (isopropylalcohol)	0.308	0.053565	0.994145
		1.23	0.239904	
		2.45	0.445295	
		6.14	1.449513	
		12.27	2.632633	
		24.55	2.738565	
16	t-Butyl alcohol	0.228	0.04609	0.996074
		0.91	0.164128	
		1.82	0.286894	
		4.56	1.027122	
		9.12	1.728423	
		18.25	2.18075	
17	Methyl iodide	0.07	0.005281	0.87374
		0.28	0.02319	
		0.56	0.035928	
		1.39	0.029897	
		2.78	0.222485	
		5.56	0.231215	
18	1,1-Dichloroethene	0.217	0.032348	0.971949

QR

		0.87	0.193664	
		1.74	0.290247	
		4.35	1.007713	
		8.69	2.154151	
		17.38	1.738633	
19	Acrylonitrile	0.264	0.012294	0.994763
		1.05	0.048349	
		2.11	0.089734	
		5.27	0.40058	
		10.55	0.743627	
		21.1	1.021532	
20	1,1,2-Trichlorotrifluoroethane	0.21	0.016597	0.98504
		0.84	0.080463	
		1.68	0.121591	
		4.2	0.467019	
		8.41	0.987489	
		16.81	1.067815	
21	Allyl chloride	0.25	0.002666	0.952043
		1	0.011453	
		1.99	0.015981	
		4.99	0.069061	
		9.97	0.158992	
		19.95	0.111364	
22	Methylene chloride	0.229	0.012346	0.991969
		0.92	0.061131	
		1.83	0.090808	
		4.58	0.339284	
		9.16	0.674012	
		18.31	0.814571	
23	Carbon disulfide	0.24	0.034423	0.936964
		0.96	0.140717	
		1.93	0.228044	
		4.81	0.491569	
		9.63	1.585286	
		19.26	1.494429	
24	trans-1,2-Dichloroethene	0.187	0.013309	0.987673
		0.75	0.059576	
		1.5	0.09637	
		3.74	0.368757	
		7.49	0.757496	
		14.97	0.837442	
25	Methyl tert butyl ether	0.191	0.032009	0.993344
		0.76	0.126769	
		1.53	0.201788	
		3.82	0.873197	
		7.64	1.405837	
		15.29	1.89247	
26	Propionitrile	0.325	0.0124	0.993383
		1.3	0.057491	
		2.6	0.109151	
		6.51	0.483494	
		13.02	0.905919	

QR

		26.03	1.138097	
27	1,1-Dichloroethane	0.219	0.030109	0.990744
		0.88	0.112568	
		1.75	0.184605	
		4.38	0.904752	
		8.76	1.611364	
		17.52	1.882343	
28	Ethyl tert butyl ether	0.151	0.029122	0.996452
		0.6	0.118755	
		1.2	0.192265	
		3.01	0.741431	
		6.02	1.325802	
		12.05	1.859183	
29	Vinyl acetate	0.228	0.005486	0.986994
		0.91	0.021814	
		1.82	0.031664	
		4.56	0.119747	
		9.11	0.240531	
		18.22	0.257669	
30	2-Butanone (MEK)	0.264	0.009414	0.991692
		1.06	0.035133	
		2.11	0.068816	
		5.28	0.243806	
		10.55	0.518674	
		21.11	0.663432	
31	Diisopropyl ether	0.135	0.005985	0.987209
		0.54	0.027299	
		1.08	0.042439	
		2.7	0.178009	
		5.4	0.375164	
		10.8	0.436067	
32	Hexane	0.193	0.037196	0.990858
		0.77	0.172967	
		1.53	0.266996	
		3.83	1.077941	
		7.66	2.007715	
		15.32	2.185838	
33	Methacrylonitrile	0.249	0.011583	0.992779
		1	0.042069	
		1.99	0.069355	
		4.98	0.283359	
		9.95	0.554944	
		19.91	0.706256	
34	Ethyl acetate	0.227	0.00465	0.993501
		0.91	0.024247	
		1.82	0.038986	
		4.54	0.13641	
		9.08	0.289609	
		18.16	0.395064	
35	Bromochloromethane	0.138	0.015492	0.99349
		0.55	0.064336	
		1.1	0.111003	

QR

		2.76	0.44326	
		5.52	0.844896	
		11.05	1.044953	
36	Methyl acrylate	0.123	0.009494	0.988156
		0.49	0.045788	
		0.98	0.076653	
		2.46	0.288512	
		4.91	0.642928	
		9.83	0.8009	
37	Tetrahydrofuran	0.27	0.009137	0.988296
		1.08	0.036762	
		2.15	0.061965	
		5.38	0.272811	
		10.77	0.538307	
		21.53	0.596777	
38	Isobutyl alcohol	-1	0	0.980122
		0.78	0.006842	
		1.51	0.01344	
		3.78	0.043565	
		7.57	0.082873	
		15.13	0.112909	
39	cis-1,2-Dichloroethene	0.236	0.01719	0.986054
		0.94	0.07529	
		1.89	0.121499	
		4.72	0.475511	
		9.43	0.996172	
		18.87	1.096817	
40	2,2-Dichloropropane	0.231	0.020234	0.995802
		0.92	0.078442	
		1.85	0.140095	
		4.62	0.531819	
		9.23	0.99722	
		18.46	1.350748	
41	Chloroform	0.238	0.02657	0.992647
		0.95	0.10743	
		1.91	0.172576	
		4.77	0.746854	
		9.54	1.404625	
		19.07	1.741331	
43	1,1,1-Trichloroethane	0.211	0.022521	0.995092
		0.84	0.085219	
		1.68	0.14222	
		4.21	0.591027	
		8.42	1.067598	
		16.84	1.431784	
44	1,2-Dichloroethane	0.217	0.014426	0.993055
		0.87	0.046455	
		1.73	0.08253	
		4.34	0.360959	
		8.67	0.70626	
		17.35	0.93049	
45	1,1-Dichloropropene	0.171	0.011661	0.984313

QR

		0.68	0.051861	
		1.37	0.08763	
		3.42	0.3686	
		6.83	0.808764	
		13.66	0.919778	
46	Cyclohexane	0.198	0.019255	0.988758
		0.79	0.087604	
		1.59	0.140722	
		3.97	0.549702	
		7.94	1.131261	
		15.88	1.304383	
47	Benzene	0.223	0.056297	0.976774
		0.89	0.197795	
		1.79	0.283959	
		4.46	0.996792	
		8.93	2.028809	
		17.85	1.720604	
48	Carbon tetrachloride	0.225	0.007035	0.987901
		0.9	0.036255	
		1.8	0.070342	
		4.5	0.213585	
		8.99	0.573282	
		17.98	0.852133	
49	t-Amyl methyl ether	0.115	0.017131	0.995593
		0.46	0.0652	
		0.92	0.109224	
		2.3	0.449386	
		4.6	0.84207	
		9.2	1.186143	
50	2,2,4-Trimethylpentane	0.141	0.041907	0.977103
		0.56	0.194441	
		1.13	0.325833	
		2.82	1.234365	
		5.65	2.508298	
		11.3	2.052906	
51	n-Heptane	0.157	0.00793	0.98479
		0.63	0.036334	
		1.26	0.064561	
		3.14	0.25083	
		6.28	0.526664	
		12.56	0.554409	
52	1,2-Dichloropropane	0.229	0.014186	0.994558
		0.92	0.060733	
		1.83	0.10008	
		4.58	0.431489	
		9.15	0.814374	
		18.3	1.102095	
53	1,4 Dioxane	0.438	0.019714	0.991603
		1.75	0.061888	
		3.5	0.114486	
		8.76	0.500618	
		17.52	0.9306	

QR

		35.03	1.095806	
54	Dibromomethane	0.098	0.004864	0.991637
		0.39	0.018585	
		0.78	0.030549	
		1.95	0.127391	
		3.9	0.264642	
		7.81	0.34617	0.789225
55	Trichloroethene (TCE)	0.221	0.013878	
		0.89	0.061835	
		1.77	0.097185	
		4.43	0.402099	
		8.86	0.948622	
		17.71	0.917209	
56	Bromodichloromethane	0.104	0.006345	0.991336
		0.42	0.030625	
		0.83	0.053745	
		2.08	0.209818	
		4.17	0.473583	
		8.33	0.653495	
57	Methyl methacrylate	0.175	0.008469	0.985599
		0.7	0.033338	
		1.4	0.057762	
		3.51	0.216585	
		7.01	0.527466	
		14.02	0.690809	
58	4-Methyl-2-pentanone (MIBK)	0.438	0.015881	0.995166
		0.78	0.053538	
		1.57	0.084363	
		3.92	0.349189	
		7.84	0.684488	
		15.69	0.88071	
59	cis-1,3-Dichloropropene	0.228	0.013419	0.987968
		0.91	0.06255	
		1.82	0.107891	
		4.55	0.471394	
		9.1	1.04094	
		18.21	1.306306	
61	Toluene	0.23	0.042622	0.963941
		0.92	0.157895	
		1.83	0.266482	
		4.58	1.033154	
		9.16	2.373219	
		18.31	1.950144	
62	trans-1,3-Dichloropropene	0.228	0.014625	0.988586
		0.91	0.059794	
		1.82	0.114299	
		4.56	0.478035	
		9.11	1.081845	
		18.22	1.407703	
63	1,1,2-Trichloroethane	0.226	0.011432	0.987048
		0.9	0.037824	
		1.81	0.061629	

QR

		4.52	0.250387	
		9.03	0.53956	
		18.07	0.647892	
64	Ethyl methacrylate	0.12	0.00984	0.981465
		0.48	0.037827	
		0.96	0.06809	
		2.39	0.276752	
		4.79	0.671967	
		9.58	0.807644	
65	2-Hexanone	0.185	0.016323	0.991115
		0.74	0.070541	
		1.47	0.125976	
		3.68	0.55787	
		7.35	1.120148	
		14.71	1.388164	
66	1,3-Dichloropropane	0.17	0.019618	0.988961
		0.68	0.07096	
		1.36	0.118843	
		3.41	0.474965	
		6.81	1.025641	
		13.62	1.283605	
67	Octane	0.141	0.009356	0.982379
		0.57	0.035858	
		1.13	0.05925	
		2.83	0.269259	
		5.65	0.594042	
		11.3	0.66427	
68	Dibromochloromethane	0.137	0.006579	0.97834
		0.41	0.030532	
		0.83	0.055118	
		2.07	0.196712	
		4.14	0.565799	
		8.28	0.746598	
69	1,2-Dibromoethane (EDB)	0.115	0.012437	0.987212
		0.46	0.047817	
		0.92	0.081996	
		2.31	0.327722	
		4.61	0.760854	
		9.23	0.988849	
70	Tetrachloroethene (PCE)	0.116	0.008048	0.981535
		0.46	0.034333	
		0.93	0.057295	
		2.31	0.251128	
		4.63	0.547759	
		9.26	0.584527	
72	Chlorobenzene	0.218	0.035941	0.967551
		0.87	0.148055	
		1.73	0.240466	
		4.33	0.994668	
		8.65	2.209333	
		17.3	1.836961	
73	1,1,1,2-Tetrachloroethane	0.107	0.005028	0.991551

QR

		0.43	0.023167	
		0.86	0.034285	
		2.15	0.120276	
		4.29	0.301912	
		8.59	0.476731	
74	Ethylbenzene	0.23	0.050695	0.992354
		0.93	0.204169	
		1.86	0.317079	
		4.64	1.207811	
		9.29	1.981227	
		18.57	2.024399	
75	m,p-Xylenes	0.233	0.039219	0.989295
		0.93	0.165169	
		1.86	0.256995	
		4.66	1.005302	
		9.31	1.898746	
		18.62	1.977354	
76	Nonane	0.123	0.019677	0.993455
		0.49	0.078068	
		0.99	0.123067	
		2.47	0.549037	
		4.93	1.032706	
		9.86	1.36088	
77	Styrene	0.228	0.023611	0.991328
		0.91	0.098065	
		1.82	0.167975	
		4.55	0.794071	
		9.1	1.490798	
		18.19	1.794013	
78	Bromoform	0.07	0.004006	0.983826
		0.28	0.018637	
		0.56	0.02912	
		1.39	0.099028	
		2.78	0.308447	
		5.56	0.486499	
79	o-Xylene	0.228	0.041599	0.991622
		0.91	0.157932	
		1.81	0.24414	
		4.53	1.033868	
		9.05	1.819045	
		18.11	2.025178	
80	1,1,2,2-Tetrachloroethane	0.118	0.027843	0.99352
		0.47	0.098132	
		0.94	0.138139	
		2.35	0.588913	
		4.71	1.191096	
		9.41	1.67184	
81	1,2,3-Trichloropropane	0.128	0.006022	0.99521
		0.51	0.02183	
		1.02	0.031347	
		2.55	0.136524	
		5.1	0.265119	

QR

		10.2	0.393269	
82	t-1,4-Dichloro-2-butene	0.145	0.002743	0.987432
		0.58	0.011238	
		1.15	0.011366	
		2.89	0.075451	
		5.77	0.21617	
		11.54	0.360628	
83	n-Propylbenzene	0.16	0.053738	0.990514
		0.64	0.196593	
		1.28	0.301531	
		3.21	1.208126	
		6.42	2.079811	
		12.84	2.075177	
84	Isopropylbenzene	0.153	0.028359	0.99297
		0.65	0.1056	
		1.3	0.162856	
		3.24	0.714274	
		6.49	1.333278	
		12.98	1.70965	
85	4-Ethyltoluene	0.363	0.09356	0.971196
		1.55	0.350422	
		3.11	0.549393	
		7.77	1.98199	
		15.54	2.448644	
		31.08	2.373011	
86	1,3,5-Trimethylbenzene	0.228	0.058951	0.988513
		0.91	0.192131	
		1.82	0.298734	
		4.54	1.170969	
		9.08	2.097603	
		18.15	2.024501	
87	Decane	0.123	0.038547	0.990138
		0.53	0.12194	
		1.05	0.192476	
		2.63	0.881876	
		5.25	1.508615	
		10.51	1.680848	
88	tert-butyl benzene	0.143	0.030024	0.979566
		0.57	0.10469	
		1.15	0.165505	
		2.86	0.765602	
		5.73	1.651977	
		11.46	1.709379	
89	1,2,4-Trimethylbenzene	0.224	0.054847	0.985222
		0.895	0.178901	
		1.79	0.281062	
		4.46	1.233847	
		8.93	2.089398	
		13.36	2.070041	
90	i-Butylbenzene	0.143	0.056711	0.989742
		0.57	0.183683	
		1.14	0.276816	

QR

		2.85	1.230009	
		5.69	2.070287	
		11.38	2.200358	
91	sec-butylbenzene	0.151	0.060037	0.987364
		0.605	0.189218	
		1.21	0.28954	
		2.65	1.015818	
		6.04	2.120933	
		12.08	2.079423	
92	1,3-Dichlorobenzene	0.176	0.023978	0.983699
		0.705	0.089437	
		1.41	0.123709	
		3.52	0.63772	
		7.05	1.418833	
		14.1	1.706132	
93	Isopropyltoluene	0.149	0.046404	0.986996
		0.597	0.144523	
		1.19	0.21213	
		2.98	1.028021	
		5.97	1.85308	
		11.94	1.925469	
94	Benzyl chloride	0.157	0.025465	0.979024
		0.628	0.08579	
		1.26	0.148171	
		3.14	0.687801	
		6.28	1.538554	
		12.6	1.64121	
95	1,4-Dichlorobenzene	0.165	0.023793	0.983694
		0.658	0.091116	
		1.32	0.127944	
		3.29	0.647245	
		6.58	1.42632	
		13.2	1.693589	
96	n-Butylbenzene	0.14	0.075789	0.972973
		0.56	0.253193	
		1.12	0.346807	
		2.33	1.149832	
		5.6	3.301813	
		11.2	3.287142	
97	1,2-Dichlorobenzene	0.162	0.028911	0.98589
		0.649	0.100302	
		1.23	0.134945	
		3.09	0.705708	
		6.492	1.571919	
		12.3	1.848375	
98	1,2-Dibromo-3-chloropropane	0.157	0.009151	0.994257
		0.628	0.040563	
		1.26	0.038817	
		2.94	0.269313	
		6.28	0.513063	
		12.56	0.959963	
99	1,2,4-Trichlorobenzene	0.098	0.002862	0.974034

QR

		0.391	0.021651	
		0.782	0.01111	
		1.955	0.110698	
		3.91	0.124138	
		7.82	0.414338	
100	Naphthalene	0.038	0.002487	0.960149
		0.15	0.019936	
		0.31	0.008622	
		0.765	0.101612	
		1.53	0.103417	
		3.06	0.310847	
101	1,2,3-Trichlorobenzene	0.123	0.002862	0.97413
		0.491	0.021651	
		0.98	0.011466	
		2.455	0.110698	
		4.91	0.124138	
		9.82	0.414338	
102	Hexachlorobutadiene	0.063	0.008884	0.989875
		0.25	0.022657	
		0.504	0.026224	
		1.26	0.145281	
		2.52	0.214647	
		5.04	0.466605	
103	1,1-Difluoroethane	0.238	0.015889	0.996328
		0.95	0.091419	
		1.9	0.125653	
		4.75	0.378734	
		9.5	0.590174	
		19	0.793176	

INITIAL CALIBRATION REPORT: Response Factors

SDG:	**LABQC**
QC_Batch:	**0801426-MA1**
Sample ID:	METHOD BLANK
Sample Analysis Date:	14 Aug 126 12:25 pm
Run Method:	B1563_C.M
Quant Method:	B15CS3_C.M
Cal Update:	Fri Aug 07 13:09:23 2026
Template:	B15CHIQ.MA1

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\frac{(\text{Cistdi})}{(\text{Aistdi})}\right|_i$

Ten Compounds are Allowed to be Out

Response Factors Calculated form ICal Page

Compound	0.25 RF1	1.0 RF2	2.0 RF3	5.0 RF4	10.0 RF5	20.0 RF6	AvgRFn	%RSD	%RSD Limit	RSD Flag		LR R^2 Value	LR R^2 Flag	QR R^2 Value	QR R^2 Flag
Propylene	0.469	0.522	0.387	0.453	0.460	0.284	0.429	19.4	30	IN	0.99	0.9143	OUT	0.9931	IN
Dichlorodifluoromethane	1.052	1.257	1.112	1.153	0.910	0.433	0.986	29.9	30	IN	0.99	0.7394	OUT	0.9990	IN
Methanol	0.289	0.431	0.343	0.524	0.497	0.295	0.397	25.8	50	IN	0.98	0.8904	OUT	0.9934	IN
Chloromethane	0.709	0.820	0.591	0.855	0.759	0.458	0.699	21.5	30	IN	0.99	0.8927	OUT	0.9950	IN
1,2-Dichlorotetrafluoroethane	1.102	1.451	1.058	1.445	1.308	0.448	1.135	33.1	30	OUT	0.99	0.5435	OUT	0.9822	OUT
Vinyl chloride	0.605	0.752	0.568	0.705	0.743	0.328	0.617	25.9	30	IN	0.99	0.7389	OUT	0.9784	OUT
1,3-Butadiene	0.304	0.311	0.266	0.431	0.382	0.265	0.326	20.4	30	IN	0.99	0.9418	OUT	0.9959	IN
Bromomethane	0.338	0.353	0.275	0.385	0.391	0.242	0.331	18.2	30	IN	0.99	0.9139	OUT	0.9922	IN
Chloroethane	0.204	0.212	0.164	0.256	0.237	0.153	0.204	19.6	30	IN	0.99	0.9228	OUT	0.9947	IN
Ethanol	0.060	0.110	0.091	0.143	0.111	0.076	0.098	29.9	50	IN	0.98	0.9237	OUT	0.9939	IN
Acrolein	0.122	0.127	0.095	0.155	0.132	0.095	0.121	19.2	40	IN	0.98	0.9503	OUT	0.9956	IN
Trichlorofluoromethane	0.560	0.639	0.498	0.763	0.765	0.430	0.609	22.7	30	IN	0.99	0.8691	OUT	0.9892	OUT
Acetone	0.248	0.186	0.144	0.295	0.194	0.145	0.202	29.5	40	IN	0.98	0.9214	OUT	0.9778	OUT
2-propanol (isopropylalcohol)	0.870	0.975	0.909	1.180	1.073	0.558	0.927	23.0	50	IN	0.98	0.8200	OUT	0.9941	IN
t-Butyl alcohol	1.011	0.902	0.788	1.126	0.948	0.597	0.895	20.6	40	IN	0.98	0.9050	OUT	0.9961	IN
Methyl iodide	0.377	0.414	0.321	0.108	0.400	0.208	0.305	40.2	30	OUT	0.99	0.8142	OUT	0.8737	OUT
1,1-Dichloroethene	0.745	1.113	0.834	1.158	1.239	0.500	0.932	30.7	30	OUT	0.99	0.6807	OUT	0.9719	OUT
Acrylonitrile	0.233	0.230	0.213	0.380	0.352	0.242	0.275	26.1	40	IN	0.98	0.9407	OUT	0.9948	IN
1,1,2-Trichlorotrifluoroethane	0.395	0.479	0.362	0.556	0.587	0.318	0.449	24.2	30	IN	0.99	0.8544	OUT	0.9850	OUT
Allyl chloride	0.053	0.057	0.040	0.069	0.080	0.028	0.055	34.5	40	IN	0.98	0.5957	OUT	0.9520	OUT
Methylene chloride	0.270	0.332	0.248	0.370	0.368	0.222	0.302	21.1	30	IN	0.99	0.9020	OUT	0.9920	IN
Carbon disulfide	0.717	0.733	0.591	0.511	0.823	0.388	0.627	25.7	30	IN	0.99	0.7924	OUT	0.9370	OUT
trans-1,2-Dichloroethene	0.356	0.397	0.321	0.493	0.506	0.280	0.392	23.4	30	IN	0.99	0.8633	OUT	0.9877	OUT
Methyl tert butyl ether	0.838	0.834	0.659	1.143	0.920	0.619	0.836	22.7	40	IN	0.98	0.9216	OUT	0.9933	IN
Propionitrile	0.191	0.221	0.210	0.371	0.348	0.219	0.260	30.1	40	IN	0.98	0.9102	OUT	0.9934	IN
1,1-Dichloroethane	0.687	0.640	0.527	1.033	0.920	0.537	0.724	28.7	30	IN	0.99	0.8731	OUT	0.9907	IN
Ethyl tert butyl ether	0.964	0.990	0.801	1.232	1.101	0.771	0.977	18.0	40	IN	0.98	0.9469	OUT	0.9965	IN
Vinyl acetate	0.120	0.120	0.087	0.131	0.132	0.071	0.110	23.0	40	IN	0.98	0.8462	OUT	0.9870	IN

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Compound	0.25 RF1	1.0 RF2	2.0 RF3	5.0 RF4	10.0 RF5	20.0 RF6	AvgRFn	%RSD	%RSD Limit	RSD Flag		LR R^2 Value	LR R^2 Flag	QR R^2 Value	QR R^2 Flag
2-Butanone (MEK)	0.178	0.166	0.163	0.231	0.246	0.157	0.190	20.1	40	IN	0.98	0.9266	OUT	0.9917	IN
Diisopropyl ether	0.222	0.253	0.196	0.330	0.347	0.202	0.258	25.3	40	IN	0.98	0.8871	OUT	0.9872	IN
Hexane	0.964	1.123	0.873	1.407	1.311	0.713	1.065	24.9	40	IN	0.98	0.8461	OUT	0.9909	IN
Methacrylonitrile	0.233	0.210	0.174	0.284	0.279	0.177	0.226	21.2	40	IN	0.98	0.9198	OUT	0.9928	IN
Ethyl acetate	0.102	0.133	0.107	0.150	0.159	0.109	0.127	19.2	40	IN	0.98	0.9479	OUT	0.9935	IN
Bromochloromethane	0.561	0.585	0.505	0.803	0.765	0.473	0.615	22.3	30	IN	0.99	0.9069	OUT	0.9935	IN
Methyl acrylate	0.386	0.467	0.391	0.586	0.655	0.407	0.482	23.5	40	IN	0.98	0.9182	OUT	0.9882	IN
Tetrahydrofuran	0.169	0.170	0.144	0.254	0.250	0.139	0.188	27.4	40	IN	0.98	0.8598	OUT	0.9883	IN
Isobutyl alcohol	NA	0.044	0.045	0.058	0.055	0.037	0.048	17.6	40	IN	0.98	0.9491	OUT	0.9801	IN
cis-1,2-Dichloroethene	0.364	0.400	0.321	0.504	0.528	0.291	0.401	24.0	30	IN	0.99	0.8621	OUT	0.9861	OUT
2,2-Dichloropropane	0.438	0.426	0.379	0.576	0.540	0.366	0.454	18.9	30	IN	0.99	0.9394	OUT	0.9958	IN
Chloroform	0.558	0.565	0.452	0.783	0.736	0.457	0.592	23.5	30	IN	0.99	0.9063	OUT	0.9926	IN
1,1,1-Trichloroethane	0.342	0.317	0.276	0.446	0.411	0.294	0.348	19.3	30	IN	0.99	0.9325	OUT	0.9951	IN
1,2-Dichloroethane	0.332	0.267	0.239	0.416	0.407	0.268	0.322	23.7	30	IN	0.99	0.9309	OUT	0.9931	IN
1,1-Dichloropropene	0.341	0.381	0.320	0.539	0.592	0.337	0.418	28.0	30	IN	0.99	0.8792	OUT	0.9843	OUT
Cyclohexane	0.486	0.554	0.443	0.692	0.712	0.411	0.550	23.2	30	IN	0.99	0.8829	OUT	0.9888	OUT
Benzene	1.262	1.111	0.793	1.117	1.136	0.482	0.984	29.6	30	IN	0.99	0.7080	OUT	0.9768	OUT
Carbon tetrachloride	0.156	0.201	0.195	0.237	0.319	0.237	0.224	24.6	30	IN	0.99	0.9698	OUT	0.9879	OUT
t-Amyl methyl ether	0.745	0.709	0.594	0.977	0.915	0.645	0.764	19.8	40	IN	0.98	0.9502	OUT	0.9956	IN
2,2,4-Trimethylpentane	1.486	1.736	1.442	2.189	2.220	0.908	1.663	30.0	30	IN	0.99	0.6843	OUT	0.9771	OUT
n-Heptane	0.253	0.288	0.256	0.399	0.419	0.221	0.306	27.1	30	IN	0.99	0.8393	OUT	0.9848	OUT
1,2-Dichloropropane	0.310	0.330	0.273	0.471	0.445	0.301	0.355	23.2	30	IN	0.99	0.9380	OUT	0.9946	IN
1,4-Dioxane	0.225	0.177	0.164	0.286	0.266	0.156	0.212	25.9	40	IN	0.98	0.8827	OUT	0.9916	IN
Dibromomethane	0.248	0.238	0.196	0.327	0.339	0.222	0.262	22.2	30	IN	0.99	0.9319	OUT	0.9916	IN
Trichloroethene (TCE)	0.314	0.347	0.275	0.454	0.535	0.259	0.364	29.9	30	IN	0.99	0.8002	OUT	0.7892	OUT
Bromodichloromethane	0.305	0.365	0.324	0.504	0.568	0.392	0.410	25.5	40	IN	0.98	0.9514	OUT	0.9913	IN
Methyl methacrylate	0.242	0.238	0.206	0.309	0.376	0.246	0.270	23.0	40	IN	0.98	0.9370	OUT	0.9856	IN
4-Methyl-2-pentanone (MIBK)	0.181	0.343	0.269	0.445	0.437	0.281	0.326	31.6	40	IN	0.98	0.9217	OUT	0.9952	IN
cis-1,3-Dichloropropene	0.294	0.344	0.296	0.518	0.572	0.359	0.397	29.8	30	IN	0.99	0.9190	OUT	0.9880	OUT
Toluene	0.927	0.858	0.728	1.128	1.295	0.533	0.911	30.0	30	OUT	0.99	0.6998	OUT	0.9639	OUT
trans-1,3-Dichloropropene	0.321	0.329	0.314	0.524	0.594	0.386	0.411	29.0	30	IN	0.99	0.9327	OUT	0.9886	OUT
1,1,2-Trichloroethane	0.253	0.210	0.170	0.277	0.299	0.179	0.231	22.9	30	IN	0.99	0.9022	OUT	0.9870	OUT
Ethyl methacrylate	0.410	0.394	0.355	0.579	0.701	0.422	0.477	28.2	40	IN	0.98	0.9058	OUT	0.9815	IN
2-Hexanone	0.441	0.477	0.428	0.758	0.762	0.472	0.556	28.5	40	IN	0.98	0.9097	OUT	0.9911	IN
1,3-Dichloropropane	0.577	0.522	0.437	0.696	0.753	0.471	0.576	21.8	30	IN	0.99	0.9187	OUT	0.9890	OUT
Octane	0.332	0.315	0.262	0.476	0.526	0.294	0.367	29.2	30	IN	0.99	0.8710	OUT	0.9824	OUT
Dibromochloromethane	0.240	0.372	0.332	0.475	0.683	0.451	0.426	35.7	40	IN	0.98	0.9385	OUT	0.9783	OUT
1,2-Dibromoethane (EDB)	0.541	0.520	0.446	0.709	0.825	0.536	0.596	23.8	30	IN	0.99	0.9333	OUT	0.9872	OUT
Tetrachloroethene (PCE)	0.347	0.373	0.308	0.544	0.592	0.316	0.413	29.7	30	IN	0.99	0.8478	OUT	0.9815	OUT
Chlorobenzene	0.824	0.851	0.695	1.149	1.277	0.531	0.888	31.4	30	OUT	0.99	0.7042	OUT	0.9676	OUT
1,1,1,2-Tetrachloroethane	0.235	0.269	0.199	0.280	0.352	0.277	0.269	19.0	30	IN	0.99	0.9804	OUT	0.9916	IN
Ethylbenzene	1.102	1.098	0.852	1.302	1.066	0.545	0.994	26.4	30	IN	0.99	0.7928	OUT	0.9924	IN
m,p-Xylenes	0.842	0.888	0.691	1.079	1.020	0.531	0.842	24.3	30	IN	0.99	0.8244	OUT	0.9893	OUT

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Compound	0.25 RF1	1.0 RF2	2.0 RF3	5.0 RF4	10.0 RF5	20.0 RF6	AvgRFn	%RSD	%RSD Limit	RSD Flag		LR R^2 Value	LR R^2 Flag	QR R^2 Value	QR R^2 Flag
Nonane	0.800	0.797	0.622	1.111	1.047	0.690	0.844	23.1	30	IN	0.99	0.9288	OUT	0.9935	IN
Styrene	0.518	0.539	0.461	0.873	0.819	0.493	0.617	29.1	30	IN	0.99	0.8923	OUT	0.9913	IN
Bromoform	0.286	0.333	0.260	0.356	0.555	0.437	0.371	29.4	40	IN	0.98	0.9762	OUT	0.9838	IN
o-Xylene	0.912	0.868	0.674	1.141	1.005	0.559	0.860	24.8	30	IN	0.99	0.8503	OUT	0.9916	IN
1,1,2,2-Tetrachloroethane	1.180	1.044	0.735	1.253	1.264	0.888	1.061	20.2	30	IN	0.99	0.9531	OUT	0.9935	IN
1,2,3-Trichloropropane	0.235	0.214	0.154	0.268	0.260	0.193	0.221	19.5	30	IN	0.99	0.9649	OUT	0.9952	IN
t-1,4-Dichloro-2-butene	0.095	0.097	0.049	0.131	0.187	0.156	0.119	41.3	40	OUT	0.98	0.9830	IN	0.9874	IN
n-Propylbenzene	1.679	1.536	1.178	1.882	1.620	0.808	1.450	26.9	30	IN	0.99	0.7867	OUT	0.9905	IN
Isopropylbenzene	0.927	0.812	0.626	1.102	1.027	0.659	0.859	22.6	30	IN	0.99	0.9187	OUT	0.9930	IN
4-Ethyltoluene	1.289	1.130	0.883	1.275	0.788	0.382	0.958	36.4	30	OUT	0.99	0.6748	OUT	0.9712	OUT
1,3,5-Trimethylbenzene	1.293	1.056	0.821	1.290	1.155	0.558	1.029	28.2	30	IN	0.99	0.7731	OUT	0.9885	OUT
Decane	1.567	1.150	0.917	1.677	1.437	0.800	1.258	28.5	30	IN	0.99	0.8458	OUT	0.9901	IN
tert-butyl benzene	1.050	0.918	0.720	1.338	1.442	0.746	1.036	29.1	40	IN	0.98	0.8309	OUT	0.9796	OUT
1,2,4-Trimethylbenzene	1.224	0.999	0.785	1.383	1.170	0.775	1.056	23.4	30	IN	0.99	0.8950	OUT	0.9852	OUT
i-Butylbenzene	1.983	1.611	1.214	2.158	1.819	0.967	1.625	28.2	30	IN	0.99	0.8186	OUT	0.9897	OUT
sec-butylbenzene	1.988	1.564	1.196	1.917	1.756	0.861	1.547	28.5	30	IN	0.99	0.7939	OUT	0.9874	OUT
1,3-Dichlorobenzene	0.681	0.634	0.439	0.906	1.006	0.605	0.712	29.3	40	IN	0.98	0.9019	OUT	0.9837	IN
Isopropyltoluene	1.557	1.210	0.891	1.725	1.552	0.806	1.290	29.6	40	IN	0.98	0.8150	OUT	0.9870	IN
Benzyl chloride	0.811	0.683	0.588	1.095	1.225	0.651	0.842	30.9	40	IN	0.98	0.8474	OUT	0.9790	OUT
1,4-Dichlorobenzene	0.721	0.692	0.485	0.984	1.084	0.642	0.768	29.1	40	IN	0.98	0.8956	OUT	0.9837	IN
n-Butylbenzene	2.707	2.261	1.548	2.467	2.948	1.467	2.233	27.2	40	IN	0.98	0.8205	OUT	0.9730	OUT
1,2-Dichlorobenzene	0.892	0.773	0.549	1.142	1.211	0.751	0.886	28.4	40	IN	0.98	0.9084	OUT	0.9859	IN
1,2-Dibromo-3-chloropropane	0.291	0.323	0.154	0.458	0.408	0.382	0.336	31.9	50	IN	0.98	0.9915	IN	0.9943	IN
1,2,4-Trichlorobenzene	0.146	0.277	0.071	0.283	0.159	0.265	0.200	43.7	50	IN	0.98	0.9520	OUT	0.9740	OUT
Naphthalene	0.327	0.665	0.139	0.664	0.338	0.508	0.440	47.5	50	IN	0.98	0.9505	OUT	0.9601	OUT
1,2,3-Trichlorobenzene	0.116	0.220	0.059	0.225	0.126	0.211	0.160	43.3	50	IN	0.98	0.9521	OUT	0.9741	OUT
Hexachlorobutadiene	0.705	0.453	0.260	0.577	0.426	0.463	0.481	31.2	50	IN	0.98	0.9899	IN	0.9899	IN
1,1-Difluoroethane	0.334	0.481	0.331	0.399	0.311	0.209	0.344	26.5	50	IN	0.98	0.9237	OUT	0.9963	IN

Toluene-d8

NA- This point was an outlier on the curve and was removed

This template is validated

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Section 5 Standard Calibration Certificates

This section contains the Standard Calibration Certificates for the Standards and Internal Standards.

Section Contents

Standard Calibration Certificates

STANDARD CERTIFICATE
CALIBRATION GAS STANDARD

EPA Method TO-15 Calibration Standard

Standard: ST62126
Prepared: 5/12/2018
Recertified: 10/5/2023
Expiration: 10/5/2028

CAS	Component	MW	Std ppmv
	TO-14 Gas		
75-71-8	Freon 12	120.9	0.95
74-87-3	Chloromethane	50.5	0.95
76-14-2	Freon 114	170.9	0.95
106-99-0	1,3-Butadiene	54.1	0.95
74-83-9	Bromomethane	94.9	0.95
75-00-3	Chloroethane	64.5	0.95
75-37-6	1,1-Difluoroethane	66.05	0.95
75-01-4	Vinyl chloride	62.5	0.95
	TO-14 Mix A		
75-09-2	Dichloromethane	84.9	0.92
67-66-3	Chloroform	119.4	0.95
75-69-4	Trichlorofluoromethane	137.4	0.91
107-06-2	1,2-Dichloroethane	99	0.87
71-55-6	1,1,1-Trichloroethane	133.4	0.84
56-23-5	Carbon Tetrachloride	153.8	0.90
78-87-5	1,2-Dichloropropane	113	0.92
79-01-6	Trichloroethene	131.4	0.89
106-93-4	1,2-Dibromoethane	187.9	0.46
127-18-4	Tetrachloroethene	165.8	0.46
108-90-7	Chlorobenzene	112.6	0.87
79-34-5	1,1,2,2-Tetrachloroethane	167.8	0.47
541-73-1	1,3-Dichlorobenzene	147	0.70
106-46-7	1,4-Dichlorobenzene	147	0.66
95-50-1	1,2-Dichlorobenzene	147	0.62
120-82-1	1,2,4-Trichlorobenzene	181.4	0.33
87-68-3	Hexachlorobutadiene	260.8	0.25
	TO-14 Mix B		
71-43-2	Benzene	78.1	0.89
108-88-3	Toluene	92.1	0.92
100-41-4	Ethylbenzene	106.2	0.93
1330-20-7	m,p-Xylenes	106.2	0.93
100-42-5	Styrene	104.2	0.91
95-47-6	o-Xylene	106.2	0.91
TO-15 N	4-Ethyltoluene (Added to TO-15)	120.2	0.91
108-67-8	1,3,5-Trimethylbenzene	120.2	0.91
95-63-6	1,2,4-Trimethylbenzene	120.2	0.89
10061-01-5	c-1,3-Dichloropropene	111	0.91
10061-02-6	t-1,3-Dichloropropene	111	0.91

75-34-3	1,1-Dichloroethane	99	0.88
75-35-4	1,1-Dichloroethene	96.9	0.87
156-59-2	c-1,2-Dichloroethene	96.9	0.94
79-00-5	1,1,2-Trichloroethane	133.4	0.90
76-13-1	Freon 113	187.3	0.84
	TO-15 Normal		
78-93-3	2-Butanone	72.1	1.06
67-64-1	Acetone	58.1	1.28
75-15-0	Carbon Disulfide	76.1	0.96
75-25-2	Bromoform	252.7	0.28
108-10-1	4-Methyl-2-pentanone	100.2	0.78
591-78-6	2-Hexanone	100.2	0.74
75-27-4	Bromodichloromethane	163.8	0.42
124-48-1	Dibromochloromethane	208.3	0.41
108-05-4	Vinyl acetate	86.1	0.91
156-60-5	t-1,2-Dichloroethene(total)	96.9	0.75
100-44-7	Benzylchloride	126.6	0.63
622-96-8	4-Ethyltoluene	120.2	0.64
1634-04-4	Methyl t-butyl ether	88.1	0.76
110-82-7	Cyclohexane	84.2	0.79
594-20-7	2,2-Dichloropropane	113	0.92
110-54-3	Hexane	86.2	0.77
630-20-6	1,1,1,2-Tetrachloroethane	167.8	0.43
74-97-5	Bromochloromethane	163.8	0.55
540-84-1	2,2,4-Trimethylpentane (isooctane)	114.2	0.56
107-05-1	Allyl Chloride	76.5	1.00
141-78-6	Ethyl acetate	88.1	0.91
142-82-5	Heptane	100.2	0.63
11-65-9	Octane	114.2	0.57
111-84-2	Nonane	128.2	0.49
124-18-5	Decane	142.3	0.53
563-58-6	1,1-Dichloropropene	111	0.68
96-18-4	1,2,3 Trichloropropane	147.4	0.51
142-28-9	1,3-Dichloropropane	113	0.68
74-95-3	Dibromomethane	173.8	0.39
80-62-6	Methyl methacrylate	100.1	0.70
	TO-15 Extended		
123-91-1	1,4-Dioxane	88.1	1.75
64-17-5	Ethanol	46.1	3.21
104-51-8	n-Butylbenzene	134.2	0.56
135-98-8	sec-Butylbenzene	134.2	0.60
98-06-6	tert-butylbenzene	134.2	0.57
104-51-8	i-Butylbenzene	134.2	0.57
99-87-6	p-Isopropyltoluene(cymene)	134.2	0.60
110-57-6	t-1,4-Dichloro-2-butene	125	0.58
98-82-8	Isopropylbenzene (Cumene)	120.2	0.65
103-65-1	n-Propylbenzene	120.2	0.64
96-12-8	1,2-Dibromo-3-chloropropane	236.3	0.63
75-05-8	Acetonitrile	41.1	1.90
109-99-9	Tetrahydrofuran	72.1	1.08
67-63-0	2-Propanol (Isopropanol)	60.1	1.23
107-02-8	Acrolein	56.1	1.38

	TO-15 Special		
67-56-1	Methanol	32	1.57
75-65-0	t-Butanol	74.1	0.91
95-49-8	2-Chlorotoluene	126.6	0.44
126-98-7	Methacrylonitrile	67.1	1.00
97-63-2	Ethyl methacrylate	114.2	0.48
4227-95-6	Methyl iodide	142.9	0.28
107-12-0	Propionitrile	55.1	1.30
78-83-1	Isobutyl Alcohol (2-methyl-1-propanol)	74.1	0.76
107-13-1	Acrylonitrile	41.1	1.05
108-20-3	Di-isopropyl ether	102.2	0.54
78-00-2	Tetraethyl lead	323.4	0.17
106-43-4	4-Chlorotoluene	126.6	0.54
91-20-3	Naphthalene	128.2	0.15
87-61-6	1,2,3-Trichlorobenzene	181.5	0.17
637-92-3	Ethyl tert butyl Ether	102.2	0.60
96-33-3	Methyl Acrylate	86.1	0.49
994-05-8	tert-Amyl methyl ether	102.18	0.46

Analyst: _____
Steve Hoyt, Ph.D.

Approved: _____

Recertification of TO14/TO15 Standards

ST62125 and ST62126

Standards analyzed together and curve was prepared from ST62125 standard. ST62126 was analyzed against the curve and all of the compounds had a deviation less then 30%, and all but three had deviations less then 20%

ENVIRONMENTAL
Analytical Service, Inc.

Data Deliverable Package

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

EAS SDG Number: **226144**
Project Number: 17807
Report Sent: 9/1/2026
Sample Date: 7/20-7/24/2026

Client Project Manager: Chuck Schmidt
Project Name: Chiquita Canyon
Project Number: EPA TO-12/14 FID

This is the Laboratory Data Deliverable Package for the samples in the indicated Sample Delivery Group (SDG).

INDEX TO DATA PACKAGE:

Section 1 **Project Summary**
- Laboratory Work Order
- Sample Data
- Laboratory Case Narrative and Chain of Custody

Section 2 **Quality Control**
- Project QC Criteria
- DAB QC Reports

Section 3 **Analytical Methods**
- Analytical Method Description(s)
- Analytical Reports

Section 4 **Data Package with Quant Report and Chromatogram**
- DAB Run Logs and Preparation Log
- Sample Data Package
- Blank Data Package
- Continuing Calibration Package
- Initial Calibration Package

Section 5 **Standard Certificates**

Section 6 **SDG Documentation, Notes, Correspondence**

173 Cross Street, San Luis Obispo, California, 93401 (805) 781-3585

Section 1 Project Summary

The following pages provide detailed information about the sample receipt, log-in, and sample preparation. The Laboratory Work Order provides a cross reference between the Client ID number and the EAS Lab Number as well as a list of the analytical tests preformed. The items included in this section are listed below.

Section Contents

Laboratory Work Order

Sample Data

Laboratory Case Narrative

Chain of Custody

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

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T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

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T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

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T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

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T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

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T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

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T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

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T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

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T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

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T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Pressure, torr Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	16 of 1972	728	668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved:

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

CE Schmidt, Phd, Environmental Consultant TO-15 Day 1

Chain of Custody Record

| | | |

CE Schmidt, PhD, Environmental Consultant TO-15 Day 2

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS	Client Address and Phone Number	Laboratory Name
CES F1-02106			*3900 Kilroy Airport Way, Suite 100*	*EAS*
Client Name			*Long Beach, CA 90806 562-743-7895*	Laboratory Address
SCS	**Dr. Charles E. Schmidt**			*173 Cross Street*
Chiquita Canyon Landfill	19200 Live Oak Road, Red Bluff, CA 96080			*San Luis Obispo, CA 93401*
Project Manager	530-529-4256			Laboratory Phone
Pat Sullivan	E-Mail: SCHMIDTCE@aol.com			*805-781-3585*
Requested Completion Date				Laboratory Contact
				Dr. Steve Hoyt
				stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (if List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/21/2026	7~~46~~		x	T - 201	653		x		x	x	x	x	x	-29	0	15
	7/21/2026	191		x	T - 202	803		x		x	x	x	x	x	-29	0	16
	7/21/2026	937		x	T - 203	66		x		x	x	x	x	x	-29	0	17
	7/21/2026	933		x	T - 204	688		x		x	x	x	x	x	-29	0	18
	7/21/2026	1052		x	T - 205	761		x		x	x	x	x	x	-29	0	19
	7/21/2026	1051		x	T - 206	809		x		x	x	x	x	x	-29	0	20
	7/21/2026	1053		x	T - 207	694		x		x	x	x	x	x	-29	0	21
	7/21/2026	1045		x	T - 208	526		x		x	x	x	x	x	-29	0	22
	7/21/2026	1202		x	T - 209	86		x		x	x	x	x	x	-29	0	23
	7/21/2026	1214		x	T - 210	679		x		x	x	x	x	x	-29	0	24
	7/21/2026	1210		x	T - 211	762		x		x	x	x	x	x	-29	0	25
	7/21/2026	1215		x	T - 212	710		x		x	x	x	x	x	-29	0	26
	7/21/2026	1219		x	T - 213	655		x		x	x	x	x	x	-29	0	27
	7/21/2026	1238		x	T - 214	692		x		x	x	x	x	x	-29	0	28

20 of 1972

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
C SCHMIDT	7/24/26 1200	C Schmidt	7/24/26 1200	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
Urn Bar Whe ETS	7/24/26 10:10			Ana Req
Recieved by	Date/Time	Relinquished by	Date/Time	Cust Seal
				Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		

Remarks

003565 of 006978

CE Schmidt, PhD, Environmental Consultant — **TO-15 Day 3**

Chain of Custody Record

Form Serial Number **CES F1-02106**	For Information Regarding These Samples Please Contact:	# OF CONTAINERS
Client Name *SCS* ***Chiquita Canyon Landfill***	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080	
Project Manager ***Pat Sullivan***	530-529-4256 E-Mail: SCHMIDTCE@aol.com	
Requested Completion Date		

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401

Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/22/2026	823		x	T - 301	659 811		x		x	x	x	x	x	-29	0	29
	7/22/2026	828		x	T - 302	811		x		x	x	x	x	x	-29	0	30
	7/22/2026	822		x	T - 303	754		x		x	x	x	x	x	-29	0	31
	7/22/2026	822		x	T - 304	745		x		x	x	x	x	x	-29	0	32
	7/22/2026	958		x	T - 305	741		x		x	x	x	x	x	-29	0	33
	7/22/2026	1001		x	T - 306	708		x		x	x	x	x	x	-29	0	34
	7/22/2026	1001		x	T - 307	698		x		x	x	x	x	x	-29	0	35
	7/22/2026	959		x	T - 308	608		x		x	x	x	x	x	-29	0	36
	7/22/2026	1117		x	T - 309	647		x		x	x	x	x	x	-29	0	37
	7/22/2026	1122		x	T - 310	654		x		x	x	x	x	x	-29	0	38
	7/22/2026	1115		x	T - 311	605		x		x	x	x	x	x	-29	0	39
	7/22/2026	1123		x	T - 312	730		x		x	x	x	x	x	-29	0	40
	7/22/2026	1126		x	T - 313	766		x		x	x	x	x	x	-29	0	41
	7/22/2026	1130		x	T - 314	662		x		x	x	x	x	x	-29	0	42

21 of 1972

Sampler (BSCHMIDT)	Date/Time 7/24/26 1000	Relinquished by (BSCHMIDT)	Date/Time 7/24/26 1200	HAZWRAP/NEESA Y N
Recieved by UPS DRIVER	Date/Time 7/24/26 16:10	Relinquished by	Date/Time	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
				Ana Req
				Cust Seal
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		Sample Condition
Remarks				

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

CE Schmidt, Phd, Environmental Consultant

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name *SCS* *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080 530-529-4256 E-Mail: SCHMIDTCE@aol.com
Project Manager *Pat Sullivan*	
Requested Completion Date	

Client Address and Phone Number
3900 Kilroy Airport Way, Suite 100
Long Beach, CA 90806 562-743-7895

Laboratory Name
EAS

Laboratory Address
173 Cross Street
San Luis Obispo, CA 93401

Laboratory Phone
805-781-3585

Laboratory Contact
Dr. Steve Hoyt
stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	Analysis Requested: TO-12 PID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/23/2026	859		x	T - 401	643 T40	1		x		x	x	x	x	x	-29	0	43
	7/23/2026	900		x	T - 402		1		x		x	x	x	x	x	-29	0	44
	7/23/2026	904		x	T - 403	699	1		x		x	x	x	x	x	-29	0	45
	7/23/2026	908		x	T - 404	618	1		x		x	x	x	x	x	-29	0	46
	7/23/2026	959		x	T - 405	849	1		x		x	x	x	x	x	-29	0	47
	7/23/2026	1002		x	T - 406	506	1		x		x	x	x	x	x	-29	0	48
	7/23/2026	1007		x	T - 407	823	1		x		x	x	x	x	x	-29	0	49
	7/23/2026	1011		x	T - 408	789	1		x		x	x	x	x	x	-29	0	50
	7/23/2026	1110		x	T - 409	732	1		x		x	x	x	x	x	-29	0	51
	7/23/2026	1109		x	T - 410	709	1		x		x	x	x	x	x	-29	0	52
	7/23/2026	1107		x	T - 411	730	1		x		x	x	x	x	x	-29	0	53
	7/23/2026	1108		x	T - 412	803	1		x		x	x	x	x	x	-29	0	54
	7/23/2026	1119		x	T - 413	695	1		x		x	x	x	x	x	-29	0	55
	7/23/2026	1140		x	T - 414	738	1		x		x	x	x	x	x	-29	0	56

Sampler: CES SCHMIDT	Date/Time: 7/24/26 1200	Relinquished by: CES SCHMIDT	Date/Time: 7/24/26 1200
Recieved by: Ana Beltran EKS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	

Remarks

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

CE Schmidt, PhD, Environmental Consultant — **TO-15 Day 5**

Chain of Custody Record

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Table 6.2 Target Analyte List for Fixed Gases.

Methane (reanalyze non-detects to <1 ppmv)
Carbon dioxide
Oxygen
Nitrogen
Hydrogen
Carbon monoxide

TO-12

TNMHC (as C1 and C6)

TO-14 (FID)

C2-C12 Speciated

TO-15

Top 10 TICs for each sample
CLP Data Package

Table 6.3 Target List for TO-15 HAP/TAC Speciated Hydrocarbon Analysis.

Propylene
Dichlorodifluoromethane
Methanol
Chloromethane
1,2-Dichlorotetrafluoroethane
Vinyl chloride
1,3-Butadiene
Bromomethane
Chloroethane
Ethanol
Acrolein
Trichlorofluoromethane
Acetone
2-propanol (isopropylalcohol)
t-Butyl alcohol
Methyl iodide
1,1-Dichloroethene
Acrylonitrile
1,1,2-Trichlorotrifluoroethane
Allyl chloride
Methylene chloride
Carbon disulfide
trans-1,2-Dichloroethene
Methyl tert butyl ether
Propionitrile
1,1-Dichloroethane
Ethyl tert butyl ether
Vinyl acetate
2-Butanone (MEK)
Diisopropyl ether
Hexane
Methacrylonitrile
Ethyl acetate
Bromochloromethane
Methyl acrylate
Tetrahydrofuran
Isobutyl alcohol
cis-1,2-Dichloroethene
2,2-Dichloropropane
Chloroform
1,1,1-Trichloroethane
1,2-Dichloroethane
1,1-Dichloropropene
Cyclohexane
Benzene
Carbon tetrachloride
t-Amyl methyl ether
2,2,4-Trimethylpentane
n-Heptane
1,2-Dichloropropane
1,4 Dioxane
Dibromomethane
Trichloroethene (TCE)
Bromodichloromethane
Methyl methacrylate
4-Methyl-2-pentanone (MIBK)
cis-1,3-Dichloropropene
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Ethyl methacrylate
2-Hexanone
1,3-Dichloropropane
Octane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylenes
Nonane
Styrene
Bromoform
o-Xylene
1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane
t-1,4-Dichloro-2-butene
n-Propylbenzene
Isopropylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
Decane
tert-butyl benzene
1,2,4-Trimethylbenzene
i-Butylbenzene
sec-butylbenzene
1,3-Dichlorobenzene
Isopropyltoluene
Benzyl chloride
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
Hexachlorobutadiene
1,1-Difluoroethane

Section 2 Quality Control

This section contains the QC Reports for each Daily Analytical Batch (DAB) which make up the Sample Delivery Group (SDG). It also contains either the EAS or Project QC criteria that was used for the DAB. The methods used for this project have been modified from the original method. The modifications include modifications to the QC for the method. This is either because the method did not specify certain aspects of the QC, the method was originally designed for a different matrix, or additional compounds were added to the target list of the method which required modified QC. The QC modifications used by EAS follows those used by other air testing laboratories.

The Daily Analytical Batch data was checked against the QC criteria for the method. Any deviations from the QC criteria are listed on the QC Reports for each DAB, which are summarized in this section and are given in more detail in Section 4 which has the Quantitation Reports and Calculations for the Samples, Method Blank, Lab Control Spikes, as well as the Initial Calibration and Continuing Calibration. This section contains the following:

Section Contents

Project QC Critera

DAB Quality Control Reports

- Method Blank
- Laboratory Control Spike
- Laboratory Control Duplicate
- Continuing Calibration

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07316

File Name: B07316C
Description: METHOD BLANK
Canister:
QC_Batch: 073126-GCK

Date Sampled:
Time:
Date Analyzed: 07/31/26
Time: 17:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08036

File Name: B08036B
Description: METHOD BLANK
Canister:
QC_Batch: 080326-GCK

Date Sampled: **Time:**
Date Analyzed: 08/03/2026 **Time:** 11:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08046

File Name: B08046B
Description: METHOD BLANK
Canister:
QC_Batch: 080426-GCK

Date Sampled:
Date Analyzed: 08/04/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:43

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08056

File Name: B08056B
Description: METHOD BLANK
Canister:
QC_Batch: 080526-GCK

Date Sampled:
Date Analyzed: 08/05/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 12:56

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08076

File Name: B08076B
Description: METHOD BLANK
Canister:
QC_Batch: 080726-GCK

Date Sampled:
Date Analyzed: 08/07/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:30

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08106

File Name: B08106B
Description: METHOD BLANK
Canister:
QC_Batch: 081026-GCK

Date Sampled:
Date Analyzed: 08/10/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:43

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08116

File Name: B08116B
Description: METHOD BLANK
Canister:
QC_Batch: 081126-GCK

Date Sampled:
Date Analyzed: 08/11/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:27

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08126

File Name: B08126B
Description: METHOD BLANK
Canister:
QC_Batch: 081226-GCK

Date Sampled:
Date Analyzed: 08/12/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:09

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08136

File Name: B08136B
Description: METHOD BLANK
Canister:
QC_Batch: 081326-GCK

Date Sampled:
Date Analyzed: 08/13/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:16

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08146

File Name: B08146B
Description: METHOD BLANK
Canister:
QC_Batch: 081426-GCK

Date Sampled:
Date Analyzed: 08/14/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 12:05

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08196

File Name: B08196B
Description: METHOD BLANK
Canister:
QC_Batch: 081926-GCK

Date Sampled:
Date Analyzed: 08/19/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:02

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08206

File Name: B08206B
Description: METHOD BLANK
Canister:
QC_Batch: 082026-GCK

Date Sampled: **Time:**
Date Analyzed: 08/20/2026 **Time:** 10:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08256

File Name: B08256B
Description: METHOD BLANK
Canister:
QC_Batch: 082526-GCK

Date Sampled:
Date Analyzed: 08/25/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 16:37

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08266

File Name: B08266B
Description: METHOD BLANK
Canister:
QC_Batch: 082626-GCK

Date Sampled:
Date Analyzed: 08/26/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:14

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08276

File Name: B08276B
Description: METHOD BLANK
Canister:
QC_Batch: 082726-GCK

Date Sampled:
Date Analyzed: 08/27/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:51

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08316

File Name: B08316B
Description: METHOD BLANK
Canister:
QC_Batch: 083126-GCK

Date Sampled:
Date Analyzed: 08/31/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:18

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 073126-GCK
Date: 07/31/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	92		94		70	130	2	25	
110-54-3	n-Hexane	98		102		70	130	4	25	
71-43-2	Benzene	77		87		70	130	10	25	
142-82-5	n-Heptane	106		115		70	130	9	25	
108-88-3	Toluene	95		109		70	130	15	25	
111-65-9	n-Octane	101		114		70	130	12	25	
108-38-3	m,p-xylene	95		104		70	130	10	25	
95-47-6	o-xylene	105		109		70	130	4	25	
108-67-8	1,3,5-Trimethylbenzene	104		110		70	130	7	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080326-GCK
Date: 08/03/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	93		97		70	130	4	25	
110-54-3	n-Hexane	104		107		70	130	3	25	
71-43-2	Benzene	89		87		70	130	1	25	
142-82-5	n-Heptane	117		113		70	130	5	25	
108-88-3	Toluene	119		106		70	130	13	25	
111-65-9	n-Octane	118		108		70	130	9	25	
108-38-3	m,p-xylene	107		101		70	130	6	25	
95-47-6	o-xylene	110		98		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	95		84		70	130	11	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080426-GCK
Date: 08/04/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	96		96		70	130	0	25	
110-54-3	n-Hexane	103		105		70	130	2	25	
71-43-2	Benzene	93		93		70	130	1	25	
142-82-5	n-Heptane	113		110		70	130	3	25	
108-88-3	Toluene	117		110		70	130	7	25	
111-65-9	n-Octane	117		110		70	130	7	25	
108-38-3	m,p-xylene	115		115		70	130	1	25	
95-47-6	o-xylene	117		117		70	130	0	25	
108-67-8	1,3,5-Trimethylbenzene	113		120		70	130	8	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080526-GCK
Date: 08/05/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	100		100		70	130	0	25	
110-54-3	n-Hexane	107		106		70	130	1	25	
71-43-2	Benzene	98		95		70	130	3	25	
142-82-5	n-Heptane	116		116		70	130	0	25	
108-88-3	Toluene	118		117		70	130	1	25	
111-65-9	n-Octane	119		113		70	130	5	25	
108-38-3	m,p-xylene	113		120		70	130	7	25	
95-47-6	o-xylene	116		129		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	111		123		70	130	12	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080726-GCK
Date: 08/07/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	103		102		70	130	1	25	
110-54-3	n-Hexane	110		108		70	130	2	25	
71-43-2	Benzene	101		98		70	130	3	25	
142-82-5	n-Heptane	115		114		70	130	1	25	
108-88-3	Toluene	124		109		70	130	15	25	
111-65-9	n-Octane	119		108		70	130	10	25	
108-38-3	m,p-xylene	113		100		70	130	13	25	
95-47-6	o-xylene	113		101		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	99		92		70	130	7	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081026-GCK
Date: 08/10/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	103		101		70	130	2	25	
110-54-3	n-Hexane	107		106		70	130	1	25	
71-43-2	Benzene	101		92		70	130	10	25	
142-82-5	n-Heptane	114		107		70	130	8	25	
108-88-3	Toluene	114		101		70	130	13	25	
111-65-9	n-Octane	117		100		70	130	16	25	
108-38-3	m,p-xylene	110		92		70	130	18	25	
95-47-6	o-xylene	110		93		70	130	17	25	
108-67-8	1,3,5-Trimethylbenzene	94		90		70	130	4	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081126-GCK
Date: 08/11/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	80		83		70	130	3	25	
110-54-3	n-Hexane	84		84		70	130	0	25	
71-43-2	Benzene	79		79		70	130	0	25	
142-82-5	n-Heptane	90		87		70	130	3	25	
108-88-3	Toluene	90		81		70	130	8	25	
111-65-9	n-Octane	91		83		70	130	8	25	
108-38-3	m,p-xylene	83		76		70	130	7	25	
95-47-6	o-xylene	82		75		70	130	7	25	
108-67-8	1,3,5-Trimethylbenzene	71		75		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081226-GCK
Date: 08/12/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	84		82		70	130	3	25	
110-54-3	n-Hexane	86		87		70	130	1	25	
71-43-2	Benzene	80		85		70	130	4	25	
142-82-5	n-Heptane	92		88		70	130	4	25	
108-88-3	Toluene	92		82		70	130	9	25	
111-65-9	n-Octane	92		85		70	130	7	25	
108-38-3	m,p-xylene	84		81		70	130	3	25	
95-47-6	o-xylene	84		83		70	130	1	25	
108-67-8	1,3,5-Trimethylbenzene	75		90		70	130	15	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081326-GCK
Date: 08/13/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	78		82		70	130	5	25	
110-54-3	n-Hexane	81		90		70	130	9	25	
71-43-2	Benzene	77		74		70	130	3	25	
142-82-5	n-Heptane	86		82		70	130	4	25	
108-88-3	Toluene	89		78		70	130	11	25	
111-65-9	n-Octane	85		78		70	130	7	25	
108-38-3	m,p-xylene	88		81		70	130	7	25	
95-47-6	o-xylene	88		79		70	130	9	25	
108-67-8	1,3,5-Trimethylbenzene	82		79		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081926-GCK
Date: 08/19/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	112		94		70	130	18	25	
110-54-3	n-Hexane	117		99		70	130	18	25	
71-43-2	Benzene	107		88		70	130	19	25	
142-82-5	n-Heptane	120		96		70	130	24	25	
108-88-3	Toluene	111		91		70	130	21	25	
111-65-9	n-Octane	113		89		70	130	24	25	
108-38-3	m,p-xylene	121		99		70	130	22	25	
95-47-6	o-xylene	116		93		70	130	22	25	
108-67-8	1,3,5-Trimethylbenzene	128		105		70	130	23	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082026-GCK
Date: 08/20/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	100		87		70	130	14	25	
110-54-3	n-Hexane	95		92		70	130	3	25	
71-43-2	Benzene	90		84		70	130	7	25	
142-82-5	n-Heptane	101		94		70	130	7	25	
108-88-3	Toluene	109		92		70	130	17	25	
111-65-9	n-Octane	109		92		70	130	17	25	
108-38-3	m,p-xylene	113		104		70	130	9	25	
95-47-6	o-xylene	114		108		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	118		123		70	130	6	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082526-GCK
Date: 08/25/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	91		91		70	130	0	25	
110-54-3	n-Hexane	95		94		70	130	1	25	
71-43-2	Benzene	91		85		70	130	6	25	
142-82-5	n-Heptane	101		95		70	130	6	25	
108-88-3	Toluene	101		90		70	130	12	25	
111-65-9	n-Octane	99		88		70	130	11	25	
108-38-3	m,p-xylene	99		93		70	130	6	25	
95-47-6	o-xylene	92		89		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	81		93		70	130	12	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082626-GCK
Date: 08/26/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	90		90		70	130	0	25	
110-54-3	n-Hexane	94		92		70	130	1	25	
71-43-2	Benzene	90		84		70	130	6	25	
142-82-5	n-Heptane	99		95		70	130	4	25	
108-88-3	Toluene	103		85		70	130	19	25	
111-65-9	n-Octane	101		87		70	130	14	25	
108-38-3	m,p-xylene	100		81		70	130	20	25	
95-47-6	o-xylene	100		82		70	130	18	25	
108-67-8	1,3,5-Trimethylbenzene	93		78		70	130	15	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Section 3 Analytical Methods

This section has information on the analytial methods and a copy of the analytical reports for the Sample Delivery Group (SDG) listed below. The reports are organized in order of the EAS Laboratory Number.

Section Contents

Analytical Method Description(s)

Analytical Reports

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Canister: 758
QC_Batch: 082526-GCK

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 08/25/2026 **Time:** 17:15
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	34.35	2.47	7.40	42.37	
115-07-1	Propene	1.33	4.00	2.58	2.30	6.90	4.46	J
74-98-6	Propane	1.33	4.00	3.69	2.41	7.23	6.66	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	15.77	26.50	79.49	55.70	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	94.61	29.51	88.52	62.04	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 02

File Name: 2614402A
Description: T-102
Canister: 737
QC_Batch: 082526-GCK

Date Sampled: 07/20/26 **Time:** 10:05
Date Analyzed: 08/25/2026 **Time:** 17:59
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	17.20	2.47	7.40	21.22	
115-07-1	Propene	1.33	4.00	2.44	2.30	6.90	4.20	J
74-98-6	Propane	1.33	4.00	2.72	2.41	7.23	4.92	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	8.62	26.50	79.49	30.47	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	51.75	29.51	88.52	33.93	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Canister: 548
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 08/03/2026 **Time:** 16:55
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.73	2.47	7.40	31.74	
115-07-1	Propene	1.33	4.00	1.36	2.30	6.90	2.34	J
74-98-6	Propane	1.33	4.00	8.06	2.41	7.23	14.57	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.82	2.38	7.14	11.49	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.70	2.36	7.07	2.47	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.85	2.35	7.04	3.50	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.48	2.18	6.53	6.44	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.91	2.18	6.53	3.98	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.71	2.19	6.57	3.50	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.54	2.19	6.57	2.66	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	23.80	26.50	79.49	84.08	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	142.81	29.51	88.52	93.64	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 04

File Name: 2614404B
Description: T-104
Canister: 990
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 08/03/2026 **Time:** 20:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	5.32	2.30	6.91	6.12	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.80	2.47	7.40	26.89	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	5.84	2.41	7.23	10.55	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.03	2.30	6.90	2.37	J
590-18-1	c-2-Butene	1.00	3.00	1.91	2.30	6.90	4.39	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	15.54	2.30	6.90	53.62	
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	4.98	2.30	6.90	17.19	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	10.18	2.34	7.02	47.67	
142-82-5	n-Heptane	0.57	1.71	4.29	2.35	7.04	17.61	
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	2.61	2.16	6.47	9.84	
592-27-8	2-Methylheptane	0.50	1.50	0.58	2.34	7.02	2.73	J
589-81-1	3-Methylheptane	0.50	1.50	0.68	2.34	7.02	3.20	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.73	2.18	6.53	3.17	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.83	2.19	6.57	4.08	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	63.43	26.50	79.49	224.07	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	380.56	29.51	88.52	249.55	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Canister: 885
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 08/03/2026 **Time:** 21:18
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	18.56	2.30	6.91	21.37	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	10.78	2.47	7.40	13.30	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.49	2.41	7.23	6.31	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.88	2.30	6.90	4.33	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.04	2.30	6.90	2.40	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	2.06	2.30	6.90	5.93	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.76	2.36	7.07	6.23	J
96-14-0	3-Methylpentane	0.67	2.00	5.22	2.36	7.07	18.46	
110-54-3	n-Hexane	0.67	2.00	12.19	2.36	7.07	43.06	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	2.64	2.35	7.04	10.83	
71-43-2	Benzene	0.67	2.00	1.21	2.13	6.40	3.87	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	0.76	2.34	7.02	3.57	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.67	2.18	6.53	2.91	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.92	2.19	6.57	4.55	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.08	2.19	6.57	5.34	J
124-18-5	n-Decane	0.40	1.20	0.69	2.33	7.00	4.05	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.71	2.20	6.60	3.91	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	51.29	26.50	79.49	181.21	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	307.76	29.51	88.52	201.81	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Canister: 755
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 08/04/2026 **Time:** 13:14
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	20.63	2.36	7.09	60.95	
646-04-8	t-2-Pentene	0.80	2.40	3.01	2.30	6.90	8.64	
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	2.10	2.36	7.07	7.43	
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	3.84	2.30	6.90	13.24	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.40	2.34	7.02	6.56	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.81	2.18	6.53	3.53	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.66	2.18	6.53	7.22	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.67	2.18	6.53	2.92	J
111-84-2	n-Nonane	0.44	1.33	0.58	2.34	7.01	3.06	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.24	2.19	6.57	6.12	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.46	2.33	7.00	2.71	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	37.39	26.50	79.49	132.10	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	224.36	29.51	88.52	147.12	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Canister: 182
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 08/04/2026 **Time:** 14:07
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.15	2.47	7.40	29.79	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.82	2.41	7.23	6.90	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.55	2.36	7.09	4.57	J
646-04-8	t-2-Pentene	0.80	2.40	2.12	2.30	6.90	6.08	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.76	2.36	7.07	6.22	J
96-14-0	3-Methylpentane	0.67	2.00	3.73	2.36	7.07	13.19	
110-54-3	n-Hexane	0.67	2.00	17.31	2.36	7.07	61.17	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	3.89	2.35	7.04	15.97	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	41.03	26.50	79.49	144.95	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	246.17	29.51	88.52	161.42	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Canister: 551
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 08/04/2026 **Time:** 14:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.42	2.47	7.40	28.89	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.95	2.41	7.23	5.33	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.26	2.30	6.90	2.90	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.95	2.30	6.90	5.60	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.84	2.36	7.07	2.95	J
96-14-0	3-Methylpentane	0.67	2.00	0.90	2.36	7.07	3.18	J
110-54-3	n-Hexane	0.67	2.00	5.21	2.36	7.07	18.40	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.25	2.35	7.04	5.13	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	22.11	26.50	79.49	78.12	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	132.67	29.51	88.52	87.00	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Canister: 638
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 08/04/2026 **Time:** 16:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.19	2.47	7.40	38.48	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	6.47	2.41	7.23	11.70	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	3.17	2.38	7.14	7.55	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	7.47	2.13	6.40	23.91	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	1.08	2.35	7.04	4.42	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.00	2.34	7.02	4.69	J
108-88-3	Toluene	0.57	1.71	2.90	2.16	6.47	10.93	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.23	2.34	7.02	5.74	J
100-41-4	Ethylbenzene	0.50	1.50	3.96	2.18	6.53	17.22	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	4.89	2.18	6.53	21.29	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	3.08	2.18	6.53	13.42	
111-84-2	n-Nonane	0.44	1.33	2.25	2.34	7.01	11.82	
98-82-8	i-Propylbenzene	0.44	1.33	1.61	2.19	6.57	7.94	
103-65-1	n-propylbenzene	0.44	1.33	1.50	2.19	6.57	7.39	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	4.48	2.19	6.57	22.07	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	2.10	2.19	6.57	10.35	
611-14-3	2-Ethyltoluene	0.44	1.33	1.61	2.19	6.57	7.95	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	8.32	2.19	6.57	40.98	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.96	2.20	6.60	5.26	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	85.41	26.50	79.49	301.72	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	512.44	29.51	88.52	336.03	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Canister: 800
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 08/04/2026 **Time:** 17:36
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	29.34	2.47	7.40	36.20	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.45	2.41	7.23	6.24	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.01	2.30	6.90	2.32	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.11	2.36	7.07	3.92	J
110-54-3	n-Hexane	0.67	2.00	14.59	2.36	7.07	51.56	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.10	2.35	7.04	4.53	J
71-43-2	Benzene	0.67	2.00	0.87	2.13	6.40	2.79	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.81	2.19	6.57	3.98	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.46	2.19	6.57	2.28	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	34.44	26.50	79.49	121.68	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	206.66	29.51	88.52	135.51	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Canister: 645
QC_Batch: 080526-GCK

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 08/05/2026 **Time:** 13:43
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.72	2.47	7.40	32.96	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.70	2.41	7.23	6.68	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.96	2.36	7.07	3.39	J
110-54-3	n-Hexane	0.67	2.00	1.18	2.36	7.07	4.16	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	15.23	26.50	79.49	53.82	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	91.41	29.51	88.52	59.94	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 12

File Name: 2614412B
Description: T-112
Canister: 663
QC_Batch: 083126-GCK

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 08/31/2026 **Time:** 12:02
Can Factor: 1.31
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	5.24	15.72	ND	6.03	18.10	ND	ND
74-86-2	Acetylene	5.24	15.72	ND	5.58	16.75	ND	ND
74-84-0	Ethane	5.24	15.72	77.53	6.46	19.39	95.65	
115-07-1	Propene	3.49	10.48	6.00	6.03	18.08	10.35	J
74-98-6	Propane	3.49	10.48	7.30	6.31	18.94	13.20	J
75-28-5	i-Butane	2.62	7.86	ND	6.24	18.72	ND	ND
106-98-9	1-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
106-97-8	n-Butane	2.62	7.86	ND	6.24	18.72	ND	ND
624-64-6	t-2-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
590-18-1	c-2-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
78-78-4	i-Pentane	2.10	6.29	ND	6.20	18.61	ND	ND
109-67-1	1-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
109-66-0	n-Pentane	2.10	6.29	ND	6.19	18.58	ND	ND
646-04-8	t-2-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
627-20-3	c-2-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
75-83-2	2,2-Dimethylbutane	1.75	5.24	ND	6.17	18.51	ND	ND
287-92-3	Cyclopentane	2.10	6.29	ND	6.02	18.07	ND	ND
79-29-8	2,3-Dimethylbutane	1.75	5.24	ND	6.17	18.51	ND	ND
107-83-5	2-Methylpentane	1.75	5.24	ND	6.17	18.51	ND	ND
96-14-0	3-Methylpentane	1.75	5.24	ND	6.17	18.51	ND	ND
110-54-3	n-Hexane	1.75	5.24	ND	6.17	18.51	ND	ND
96-37-7	Methylcyclopentane	1.75	5.24	ND	6.03	18.08	ND	ND
108-08-7	2,4-Dimethylpentane	1.50	4.49	ND	6.15	18.44	ND	ND
71-43-2	Benzene	1.75	5.24	4.87	5.59	16.77	15.58	J
110-82-7	Cyclohexane	1.75	5.24	ND	6.03	18.08	ND	ND
591-76-4	2-Methylhexane	1.50	4.49	ND	6.15	18.44	ND	ND
565-59-3	2,3-Dimethylpentane	1.50	4.49	ND	6.15	18.44	ND	ND
589-34-4	3-Methylhexane	1.50	4.49	ND	6.15	18.44	ND	ND
540-84-1	2,2,4-Trimethylpentane	1.31	3.93	ND	6.13	18.39	ND	ND
142-82-5	n-Heptane	1.50	4.49	ND	6.15	18.44	ND	ND
108-87-2	Methylcyclohexane	1.50	4.49	ND	6.03	18.08	ND	ND
565-75-3	2,3,4-Trimethylpentane	1.31	3.93	ND	6.13	18.39	ND	ND
108-88-3	Toluene	1.50	4.49	4.17	5.65	16.95	15.75	J
592-27-8	2-Methylheptane	1.31	3.93	ND	6.13	18.39	ND	ND
589-81-1	3-Methylheptane	1.31	3.93	ND	6.13	18.39	ND	ND
111-65-9	n-Octane	1.31	3.93	ND	6.13	18.39	ND	ND
100-41-4	Ethylbenzene	1.31	3.93	2.04	5.70	17.11	8.88	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.31	3.93	2.11	5.70	17.11	9.19	J
100-42-5	Styrene	1.31	3.93	ND	5.59	16.78	ND	ND
95-47-6	o-xylene	1.31	3.93	1.68	5.70	17.11	7.30	J
111-84-2	n-Nonane	1.16	3.49	1.26	6.12	18.37	6.61	J
98-82-8	i-Propylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
103-65-1	n-propylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
620-14-4	3-Ethyltoluene	1.16	3.49	ND	5.74	17.21	ND	ND
622-96-8	4-Ethyltoluene	1.16	3.49	1.90	5.74	17.21	9.36	J
108-67-8	1,3,5-Trimethylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
611-14-3	2-Ethyltoluene	1.16	3.49	ND	5.74	17.21	ND	ND
95-63-6	1,2,4-Trimethylbenzene	1.16	3.49	4.43	5.74	17.21	21.84	
124-18-5	n-Decane	1.05	3.14	3.45	6.11	18.34	20.11	
526-73-8	1,2,3-Trimethylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
141-93-5	1,3-Diethylbenzene	1.05	3.14	ND	5.76	17.29	ND	ND
105-05-5	1,4-Diethylbenzene	1.05	3.14	ND	5.76	17.29	ND	ND
1120-21-4	Undecane	0.95	2.86	ND	6.10	18.31	ND	ND
112-40-3	Dodecane	0.87	2.62	ND	6.10	18.29	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	19.65	58.95	74.12	69.42	208.26	261.85	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	117.90	353.70	444.72	77.31	231.93	291.62	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Canister: 859
QC_Batch: 080526-GCK

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 08/05/2026 **Time:** 16:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	37.69	2.47	7.40	46.49	
115-07-1	Propene	1.33	4.00	1.56	2.30	6.90	2.69	J
74-98-6	Propane	1.33	4.00	8.25	2.41	7.23	14.91	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.01	2.30	6.90	2.32	J
106-97-8	n-Butane	1.00	3.00	5.35	2.38	7.14	12.75	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	7.47	2.13	6.40	23.91	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.15	2.34	7.02	5.40	J
108-88-3	Toluene	0.57	1.71	3.21	2.16	6.47	12.13	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.31	2.34	7.02	6.13	J
100-41-4	Ethylbenzene	0.50	1.50	4.21	2.18	6.53	18.31	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	5.29	2.18	6.53	23.03	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	3.22	2.18	6.53	14.01	
111-84-2	n-Nonane	0.44	1.33	2.32	2.34	7.01	12.20	
98-82-8	i-Propylbenzene	0.44	1.33	1.54	2.19	6.57	7.59	
103-65-1	n-propylbenzene	0.44	1.33	1.48	2.19	6.57	7.27	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	3.93	2.19	6.57	19.38	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.35	2.19	6.57	6.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	7.42	2.19	6.57	36.55	
124-18-5	n-Decane	0.40	1.20	5.16	2.33	7.00	30.08	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	91.88	26.50	79.49	324.58	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	551.27	29.51	88.52	361.49	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Canister: 529
QC_Batch: 073126-GCK

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 07/31/26 **Time:** 18:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Canister: 653
QC_Batch: 082526-GCK

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 08/25/2026 **Time:** 18:47
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.56	2.30	6.91	2.95	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	29.49	2.47	7.40	36.38	
115-07-1	Propene	1.33	4.00	3.07	2.30	6.90	5.30	J
74-98-6	Propane	1.33	4.00	3.75	2.41	7.23	6.77	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.20	2.38	7.14	2.85	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.07	2.36	7.07	14.39	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	4.49	2.35	7.04	18.46	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.57	2.16	6.47	2.16	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	8.41	2.34	7.02	39.36	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.01	2.18	6.53	4.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.06	2.19	6.57	5.22	J
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	1.22	2.19	6.57	6.03	J
622-96-8	4-Ethyltoluene	0.44	1.33	0.54	2.19	6.57	2.65	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.63	2.19	6.57	3.13	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	2.77	2.19	6.57	13.63	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.61	2.19	6.57	3.02	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.06	2.20	6.60	5.82	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.51	2.20	6.60	2.78	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	52.37	26.50	79.49	185.00	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	314.20	29.51	88.52	206.03	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Canister: 803
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 08/07/2026 **Time:** 12:22
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	30.90	2.47	7.40	38.11	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.92	2.41	7.23	7.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.79	2.36	7.07	2.78	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	15.12	26.50	79.49	53.43	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	90.74	29.51	88.52	59.50	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 17

File Name: 2614417A
Description: T-203
Canister: 668
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:37
Date Analyzed: 08/07/2026 **Time:** 13:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.90	2.47	7.40	30.72	
115-07-1	Propene	1.33	4.00	1.71	2.30	6.90	2.95	J
74-98-6	Propane	1.33	4.00	5.94	2.41	7.23	10.74	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.62	2.38	7.14	3.86	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	16.98	26.50	79.49	60.00	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	101.89	29.51	88.52	66.82	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 18

File Name: 2614418A
Description: T-204
Canister: 688
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:33
Date Analyzed: 08/07/2026 **Time:** 13:57
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	164.19	2.30	6.91	189.09	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	76.74	2.47	7.40	94.67	
115-07-1	Propene	1.33	4.00	486.94	2.30	6.90	840.16	
74-98-6	Propane	1.33	4.00	185.41	2.41	7.23	335.11	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	8.65	2.30	6.90	19.88	
106-97-8	n-Butane	1.00	3.00	119.50	2.38	7.14	284.55	
624-64-6	t-2-Butene	1.00	3.00	8.70	2.30	6.90	19.99	
590-18-1	c-2-Butene	1.00	3.00	9.51	2.30	6.90	21.87	
78-78-4	i-Pentane	0.80	2.40	145.90	2.37	7.10	431.71	
109-67-1	1-Pentene	0.80	2.40	26.90	2.30	6.90	77.29	
109-66-0	n-Pentane	0.80	2.40	29.16	2.36	7.09	86.16	
646-04-8	t-2-Pentene	0.80	2.40	6.73	2.30	6.90	19.33	
627-20-3	c-2-Pentene	0.80	2.40	5.15	2.30	6.90	14.79	
75-83-2	2,2-Dimethylbutane	0.67	2.00	7.46	2.36	7.07	26.35	
287-92-3	Cyclopentane	0.80	2.40	73.52	2.30	6.90	211.22	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	16.97	2.36	7.07	59.96	
96-14-0	3-Methylpentane	0.67	2.00	64.79	2.36	7.07	228.88	
110-54-3	n-Hexane	0.67	2.00	38.93	2.36	7.07	137.54	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	22.80	2.35	7.04	93.62	
71-43-2	Benzene	0.67	2.00	52.31	2.13	6.40	167.45	
110-82-7	Cyclohexane	0.67	2.00	34.75	2.30	6.90	119.93	
591-76-4	2-Methylhexane	0.57	1.71	27.97	2.35	7.04	114.87	
565-59-3	2,3-Dimethylpentane	0.57	1.71	23.71	2.35	7.04	97.35	
589-34-4	3-Methylhexane	0.57	1.71	44.04	2.35	7.04	180.85	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	91.28	2.34	7.02	427.22	
142-82-5	n-Heptane	0.57	1.71	115.05	2.35	7.04	472.45	
108-87-2	Methylcyclohexane	0.57	1.71	90.48	2.30	6.90	364.14	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	25.91	2.34	7.02	121.27	
108-88-3	Toluene	0.57	1.71	777.48	2.16	6.47	2,934.66	
592-27-8	2-Methylheptane	0.50	1.50	79.71	2.34	7.02	373.06	
589-81-1	3-Methylheptane	0.50	1.50	25.94	2.34	7.02	121.41	
111-65-9	n-Octane	0.50	1.50	74.84	2.34	7.02	350.29	
100-41-4	Ethylbenzene	0.50	1.50	312.58	2.18	6.53	1,360.48	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	445.27	2.18	6.53	1,938.01	
100-42-5	Styrene	0.50	1.50	66.83	2.14	6.41	285.38	
95-47-6	o-xylene	0.50	1.50	150.13	2.18	6.53	653.45	
111-84-2	n-Nonane	0.44	1.33	132.90	2.34	7.01	698.81	
98-82-8	i-Propylbenzene	0.44	1.33	38.14	2.19	6.57	187.88	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	49.15	2.19	6.57	242.11	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	32.41	2.19	6.57	159.63	
611-14-3	2-Ethyltoluene	0.44	1.33	33.63	2.19	6.57	165.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	19.01	2.33	7.00	110.89	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	3.34	2.20	6.60	18.39	
1120-21-4	Undecane	0.36	1.09	0.41	2.33	6.99	2.65	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	4,417.84	26.50	79.49	15,607.30	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	26,507.06	29.51	88.52	17,381.68	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Canister: 761
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 08/07/2026 **Time:** 14:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.85	2.30	6.91	3.28	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.93	2.47	7.40	33.22	
115-07-1	Propene	1.33	4.00	6.00	2.30	6.90	10.35	
74-98-6	Propane	1.33	4.00	6.76	2.41	7.23	12.23	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.69	2.30	6.90	3.89	J
106-97-8	n-Butane	1.00	3.00	1.57	2.38	7.14	3.73	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.81	2.16	6.47	6.81	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.25	2.18	6.53	5.44	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	2.29	2.18	6.53	9.97	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.24	2.18	6.53	5.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	6.03	2.19	6.57	29.69	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.53	2.19	6.57	7.54	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.49	2.19	6.57	2.43	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	43.25	26.50	79.49	152.78	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	259.47	29.51	88.52	170.15	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Canister: 809
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 08/26/2026 **Time:** 12:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.07	2.47	7.40	30.93	
115-07-1	Propene	1.33	4.00	4.47	2.30	6.90	7.72	
74-98-6	Propane	1.33	4.00	4.20	2.41	7.23	7.60	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	5.14	2.30	6.90	11.83	
106-97-8	n-Butane	1.00	3.00	3.07	2.38	7.14	7.32	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.95	2.36	7.07	3.36	J
110-54-3	n-Hexane	0.67	2.00	1.52	2.36	7.07	5.37	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.05	2.34	7.02	4.91	J
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.90	2.19	6.57	4.42	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.34	26.50	79.49	86.00	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	146.07	29.51	88.52	95.78	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 21

File Name: 2614421A
Description: T-207
Canister: 694
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:53
Date Analyzed: 08/07/2026 **Time:** 17:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.39	2.47	7.40	38.72	
115-07-1	Propene	1.33	4.00	2.99	2.30	6.90	5.16	J
74-98-6	Propane	1.33	4.00	6.14	2.41	7.23	11.10	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.64	2.30	6.90	3.77	J
106-97-8	n-Butane	1.00	3.00	10.19	2.38	7.14	24.27	
624-64-6	t-2-Butene	1.00	3.00	6.05	2.30	6.90	13.90	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	6.69	2.37	7.10	19.80	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	2.54	2.30	6.90	7.30	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	3.21	2.36	7.07	11.33	
110-54-3	n-Hexane	0.67	2.00	0.71	2.36	7.07	2.51	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.07	2.13	6.40	3.42	J
110-82-7	Cyclohexane	0.67	2.00	0.72	2.30	6.90	2.48	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.65	2.35	7.04	2.66	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.60	2.35	7.04	2.46	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.27	2.16	6.47	4.81	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.96	2.18	6.53	4.17	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.51	2.18	6.53	6.57	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.49	2.18	6.53	6.48	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	0.48	2.19	6.57	2.37	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.98	2.19	6.57	9.74	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.84	2.19	6.57	4.12	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.49	2.19	6.57	2.43	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	61.13	26.50	79.49	215.95	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	366.77	29.51	88.52	240.50	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Canister: 526
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 08/07/2026 **Time:** 18:25
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	8.71	2.30	6.91	10.04	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.59	2.47	7.40	38.97	
115-07-1	Propene	1.33	4.00	109.50	2.30	6.90	188.93	
74-98-6	Propane	1.33	4.00	347.67	2.41	7.23	628.37	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	84.53	2.38	7.14	201.28	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	28.66	2.37	7.10	84.82	
109-67-1	1-Pentene	0.80	2.40	5.72	2.30	6.90	16.44	
109-66-0	n-Pentane	0.80	2.40	5.92	2.36	7.09	17.48	
646-04-8	t-2-Pentene	0.80	2.40	0.99	2.30	6.90	2.84	J
627-20-3	c-2-Pentene	0.80	2.40	0.93	2.30	6.90	2.67	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.15	2.36	7.07	4.05	J
287-92-3	Cyclopentane	0.80	2.40	2.96	2.30	6.90	8.50	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	3.26	2.36	7.07	11.52	
96-14-0	3-Methylpentane	0.67	2.00	6.44	2.36	7.07	22.75	
110-54-3	n-Hexane	0.67	2.00	3.56	2.36	7.07	12.57	
96-37-7	Methylcyclopentane	0.67	2.00	2.23	2.30	6.90	7.71	
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.07	2.35	7.04	4.40	J
71-43-2	Benzene	0.67	2.00	4.64	2.13	6.40	14.87	
110-82-7	Cyclohexane	0.67	2.00	4.02	2.30	6.90	13.88	
591-76-4	2-Methylhexane	0.57	1.71	3.83	2.35	7.04	15.74	
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.83	2.35	7.04	7.53	
589-34-4	3-Methylhexane	0.57	1.71	6.37	2.35	7.04	26.16	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	10.99	2.34	7.02	51.46	
142-82-5	n-Heptane	0.57	1.71	19.92	2.35	7.04	81.80	
108-87-2	Methylcyclohexane	0.57	1.71	5.95	2.30	6.90	23.96	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	3.13	2.34	7.02	14.67	
108-88-3	Toluene	0.57	1.71	99.87	2.16	6.47	376.96	
592-27-8	2-Methylheptane	0.50	1.50	2.79	2.34	7.02	13.07	
589-81-1	3-Methylheptane	0.50	1.50	3.97	2.34	7.02	18.59	
111-65-9	n-Octane	0.50	1.50	10.65	2.34	7.02	49.84	
100-41-4	Ethylbenzene	0.50	1.50	67.07	2.18	6.53	291.94	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	110.48	2.18	6.53	480.85	
100-42-5	Styrene	0.50	1.50	2.33	2.14	6.41	9.96	
95-47-6	o-xylene	0.50	1.50	43.32	2.18	6.53	188.57	
111-84-2	n-Nonane	0.44	1.33	29.86	2.34	7.01	157.03	
98-82-8	i-Propylbenzene	0.44	1.33	10.43	2.19	6.57	51.39	
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	8.46	2.19	6.57	41.68	
622-96-8	4-Ethyltoluene	0.44	1.33	51.34	2.19	6.57	252.92	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	9.77	2.19	6.57	48.11	
611-14-3	2-Ethyltoluene	0.44	1.33	14.95	2.19	6.57	73.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	61.65	2.19	6.57	303.71	
124-18-5	n-Decane	0.40	1.20	17.38	2.33	7.00	101.35	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	5.87	2.20	6.60	32.27	
1120-21-4	Undecane	0.36	1.09	3.18	2.33	6.99	20.35	
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	1,187.63	26.50	79.49	4,195.65	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	7,125.80	29.51	88.52	4,672.65	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Canister: 856
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 08/07/2026 **Time:** 19:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	18.64	2.47	7.40	23.00	
115-07-1	Propene	1.33	4.00	4.72	2.30	6.90	8.14	
74-98-6	Propane	1.33	4.00	5.07	2.41	7.23	9.17	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.01	2.38	7.14	4.78	J
624-64-6	t-2-Butene	1.00	3.00	1.11	2.30	6.90	2.54	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.42	2.37	7.10	4.21	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.87	2.36	7.07	10.13	
110-54-3	n-Hexane	0.67	2.00	1.04	2.36	7.07	3.69	J
96-37-7	Methylcyclopentane	0.67	2.00	1.02	2.30	6.90	3.50	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.69	2.13	6.40	8.60	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.69	2.35	7.04	2.84	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.32	2.35	7.04	5.43	J
589-34-4	3-Methylhexane	0.57	1.71	0.59	2.35	7.04	2.44	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.78	2.16	6.47	6.73	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.72	2.18	6.53	7.47	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	3.07	2.18	6.53	13.35	
100-42-5	Styrene	0.50	1.50	0.96	2.14	6.41	4.10	J
95-47-6	o-xylene	0.50	1.50	1.47	2.18	6.53	6.39	J
111-84-2	n-Nonane	0.44	1.33	0.50	2.34	7.01	2.65	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.61	2.19	6.57	7.92	
622-96-8	4-Ethyltoluene	0.44	1.33	1.45	2.19	6.57	7.14	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.75	2.19	6.57	3.71	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.59	2.19	6.57	2.92	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.06	2.19	6.57	5.21	J
124-18-5	n-Decane	0.40	1.20	0.57	2.33	7.00	3.30	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.52	2.20	6.60	2.89	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	51.44	26.50	79.49	181.74	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	308.66	29.51	88.52	202.40	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Canister: 679
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 08/26/2026 **Time:** 12:53
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	24.96	2.30	6.91	28.75	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.06	2.47	7.40	3.77	J
115-07-1	Propene	1.33	4.00	2.99	2.30	6.90	5.15	J
74-98-6	Propane	1.33	4.00	4.47	2.41	7.23	8.08	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.13	2.30	6.90	2.59	J
106-97-8	n-Butane	1.00	3.00	7.99	2.38	7.14	19.02	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.41	2.30	6.90	4.04	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.66	2.36	7.07	9.40	
110-54-3	n-Hexane	0.67	2.00	1.05	2.36	7.07	3.71	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.65	2.35	7.04	2.66	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.83	2.18	6.53	3.61	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.49	2.19	6.57	7.34	
620-14-4	3-Ethyltoluene	0.44	1.33	0.58	2.19	6.57	2.88	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.34	2.19	6.57	6.58	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.63	2.19	6.57	8.02	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	34.88	26.50	79.49	123.22	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	209.27	29.51	88.52	137.22	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Canister: 762
QC_Batch: 081026-GCK

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 08/10/2026 **Time:** 12:30
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	28.66	2.47	7.40	35.35	
115-07-1	Propene	1.33	4.00	1.72	2.30	6.90	2.97	J
74-98-6	Propane	1.33	4.00	6.71	2.41	7.23	12.13	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.70	2.19	6.57	3.46	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.81	2.20	6.60	4.43	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	18.55	26.50	79.49	65.52	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	111.27	29.51	88.52	72.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Canister: 710
QC_Batch: 081026-GCK

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 08/10/2026 **Time:** 13:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	6.24	2.30	6.91	7.19	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.91	2.47	7.40	34.43	
115-07-1	Propene	1.33	4.00	21.67	2.30	6.90	37.39	
74-98-6	Propane	1.33	4.00	83.03	2.41	7.23	150.06	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	11.93	2.30	6.90	27.43	
106-97-8	n-Butane	1.00	3.00	21.47	2.38	7.14	51.13	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.65	2.37	7.10	7.83	
109-67-1	1-Pentene	0.80	2.40	4.19	2.30	6.90	12.05	
109-66-0	n-Pentane	0.80	2.40	4.26	2.36	7.09	12.60	
646-04-8	t-2-Pentene	0.80	2.40	1.89	2.30	6.90	5.44	J
627-20-3	c-2-Pentene	0.80	2.40	1.06	2.30	6.90	3.04	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.54	2.36	7.07	5.43	J
287-92-3	Cyclopentane	0.80	2.40	1.73	2.30	6.90	4.96	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.57	2.36	7.07	9.07	
96-14-0	3-Methylpentane	0.67	2.00	3.69	2.36	7.07	13.05	
110-54-3	n-Hexane	0.67	2.00	4.67	2.36	7.07	16.49	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.17	2.35	7.04	4.79	J
71-43-2	Benzene	0.67	2.00	4.22	2.13	6.40	13.49	
110-82-7	Cyclohexane	0.67	2.00	2.84	2.30	6.90	9.78	
591-76-4	2-Methylhexane	0.57	1.71	1.06	2.35	7.04	4.37	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.96	2.35	7.04	3.96	J
589-34-4	3-Methylhexane	0.57	1.71	1.95	2.35	7.04	8.00	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	12.70	2.34	7.02	59.45	
142-82-5	n-Heptane	0.57	1.71	6.40	2.35	7.04	26.29	
108-87-2	Methylcyclohexane	0.57	1.71	11.47	2.30	6.90	46.17	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	2.51	2.34	7.02	11.76	
108-88-3	Toluene	0.57	1.71	89.18	2.16	6.47	336.61	
592-27-8	2-Methylheptane	0.50	1.50	5.94	2.34	7.02	27.82	
589-81-1	3-Methylheptane	0.50	1.50	5.50	2.34	7.02	25.75	
111-65-9	n-Octane	0.50	1.50	4.49	2.34	7.02	21.00	
100-41-4	Ethylbenzene	0.50	1.50	100.23	2.18	6.53	436.24	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	140.42	2.18	6.53	611.16	
100-42-5	Styrene	0.50	1.50	7.65	2.14	6.41	32.69	
95-47-6	o-xylene	0.50	1.50	95.35	2.18	6.53	415.02	
111-84-2	n-Nonane	0.44	1.33	12.74	2.34	7.01	66.98	
98-82-8	i-Propylbenzene	0.44	1.33	28.86	2.19	6.57	142.16	
103-65-1	n-propylbenzene	0.44	1.33	19.48	2.19	6.57	95.98	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	26.95	2.19	6.57	132.74	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	20.21	2.19	6.57	99.58	
611-14-3	2-Ethyltoluene	0.44	1.33	56.71	2.19	6.57	279.34	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	60.06	2.19	6.57	295.86	
124-18-5	n-Decane	0.40	1.20	39.45	2.33	7.00	230.07	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	17.25	2.20	6.60	94.90	
105-05-5	1,4-Diethylbenzene	0.40	1.20	20.84	2.20	6.60	114.65	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	1,217.14	26.50	79.49	4,299.90	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	7,302.84	29.51	88.52	4,788.75	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 27

File Name: 2614427B
Description: T-213
Canister: 655
QC_Batch: 083126-GCK

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 08/31/2026 **Time:** 12:51
Can Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	4.00	12.00	ND	4.61	13.82	ND	ND
74-86-2	Acetylene	4.00	12.00	ND	4.26	12.79	ND	ND
74-84-0	Ethane	4.00	12.00	77.48	4.93	14.80	95.58	
115-07-1	Propene	2.67	8.00	16.78	4.60	13.80	28.94	
74-98-6	Propane	2.67	8.00	54.58	4.82	14.46	98.65	
75-28-5	i-Butane	2.00	6.00	ND	4.76	14.29	ND	ND
106-98-9	1-Butene	2.00	6.00	5.19	4.60	13.80	11.94	J
106-97-8	n-Butane	2.00	6.00	15.86	4.76	14.29	37.77	
624-64-6	t-2-Butene	2.00	6.00	ND	4.60	13.80	ND	ND
590-18-1	c-2-Butene	2.00	6.00	2.55	4.60	13.80	5.87	J
78-78-4	i-Pentane	1.60	4.80	3.45	4.73	14.20	10.20	J
109-67-1	1-Pentene	1.60	4.80	6.13	4.60	13.79	17.61	
109-66-0	n-Pentane	1.60	4.80	4.87	4.73	14.18	14.40	
646-04-8	t-2-Pentene	1.60	4.80	ND	4.60	13.79	ND	ND
627-20-3	c-2-Pentene	1.60	4.80	3.02	4.60	13.79	8.68	J
75-83-2	2,2-Dimethylbutane	1.33	4.00	2.75	4.71	14.13	9.73	J
287-92-3	Cyclopentane	1.60	4.80	5.73	4.60	13.79	16.46	
79-29-8	2,3-Dimethylbutane	1.33	4.00	ND	4.71	14.13	ND	ND
107-83-5	2-Methylpentane	1.33	4.00	2.41	4.71	14.13	8.53	J
96-14-0	3-Methylpentane	1.33	4.00	2.59	4.71	14.13	9.14	J
110-54-3	n-Hexane	1.33	4.00	4.92	4.71	14.13	17.37	
96-37-7	Methylcyclopentane	1.33	4.00	ND	4.60	13.80	ND	ND
108-08-7	2,4-Dimethylpentane	1.14	3.43	1.41	4.69	14.08	5.79	J
71-43-2	Benzene	1.33	4.00	7.09	4.27	12.80	22.70	
110-82-7	Cyclohexane	1.33	4.00	2.30	4.60	13.80	7.93	J
591-76-4	2-Methylhexane	1.14	3.43	ND	4.69	14.08	ND	ND
565-59-3	2,3-Dimethylpentane	1.14	3.43	ND	4.69	14.08	ND	ND
589-34-4	3-Methylhexane	1.14	3.43	2.92	4.69	14.08	11.99	J
540-84-1	2,2,4-Trimethylpentane	1.00	3.00	9.19	4.68	14.04	43.02	
142-82-5	n-Heptane	1.14	3.43	4.91	4.69	14.08	20.18	
108-87-2	Methylcyclohexane	1.14	3.43	8.45	4.60	13.80	34.00	
565-75-3	2,3,4-Trimethylpentane	1.00	3.00	1.49	4.68	14.04	6.97	J
108-88-3	Toluene	1.14	3.43	55.13	4.31	12.94	208.10	
592-27-8	2-Methylheptane	1.00	3.00	4.58	4.68	14.04	21.44	
589-81-1	3-Methylheptane	1.00	3.00	4.94	4.68	14.04	23.14	
111-65-9	n-Octane	1.00	3.00	3.30	4.68	14.04	15.46	
100-41-4	Ethylbenzene	1.00	3.00	63.94	4.35	13.06	278.32	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.00	3.00	94.06	4.35	13.06	409.41	
100-42-5	Styrene	1.00	3.00	6.55	4.27	12.81	27.96	
95-47-6	o-xylene	1.00	3.00	59.63	4.35	13.06	259.55	
111-84-2	n-Nonane	0.89	2.67	7.06	4.67	14.02	37.14	
98-82-8	i-Propylbenzene	0.89	2.67	22.01	4.38	13.14	108.43	
103-65-1	n-propylbenzene	0.89	2.67	22.76	4.38	13.14	112.15	
620-14-4	3-Ethyltoluene	0.89	2.67	ND	4.38	13.14	ND	ND
622-96-8	4-Ethyltoluene	0.89	2.67	18.62	4.38	13.14	91.73	
108-67-8	1,3,5-Trimethylbenzene	0.89	2.67	18.62	4.38	13.14	91.73	
611-14-3	2-Ethyltoluene	0.89	2.67	39.24	4.38	13.14	193.31	
95-63-6	1,2,4-Trimethylbenzene	0.89	2.67	64.21	4.38	13.14	316.31	
124-18-5	n-Decane	0.80	2.40	41.66	4.67	14.00	242.98	
526-73-8	1,2,3-Trimethylbenzene	0.89	2.67	ND	4.38	13.14	ND	ND
141-93-5	1,3-Diethylbenzene	0.80	2.40	34.37	4.40	13.20	189.04	
105-05-5	1,4-Diethylbenzene	0.80	2.40	39.28	4.40	13.20	216.03	
1120-21-4	Undecane	0.73	2.18	1.39	4.66	13.98	8.90	J
112-40-3	Dodecane	0.67	2.00	ND	4.65	13.96	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	15.00	45.00	1,020.87	52.99	158.98	3,606.51	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	90.00	270.00	6,125.21	59.02	177.05	4,016.53	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Canister: 692
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 08/26/2026 **Time:** 13:39
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	3.07	2.30	6.90	5.30	J
74-98-6	Propane	1.33	4.00	3.37	2.41	7.23	6.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.82	2.36	7.07	2.91	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Canister: 659
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 08/10/2026 **Time:** 16:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	24.63	2.30	6.91	28.37	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.20	2.41	7.23	13.01	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.45	2.38	7.14	5.83	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.02	2.37	7.10	8.94	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.14	2.36	7.07	7.57	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	0.54	2.34	7.02	2.55	J
589-81-1	3-Methylheptane	0.50	1.50	1.68	2.34	7.02	7.86	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.45	2.20	6.60	2.46	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	27.59	26.50	79.49	97.47	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	165.54	29.51	88.52	108.55	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 30

File Name: 2614430A
Description: T-302
Canister: 897
QC_Batch: 082626-GCK

Date Sampled: 07/22/26 **Time:** 8:28
Date Analyzed: 08/26/2026 **Time:** 14:24
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.32	2.47	7.40	30.01	
115-07-1	Propene	1.33	4.00	2.93	2.30	6.90	5.06	J
74-98-6	Propane	1.33	4.00	3.62	2.41	7.23	6.54	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.70	2.36	7.07	2.46	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.70	26.50	79.49	44.86	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	76.18	29.51	88.52	49.95	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Canister: 754
QC_Batch: 082726-GCK

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 08/27/2026 **Time:** 12:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.21	2.47	7.40	31.10	
115-07-1	Propene	1.33	4.00	2.43	2.30	6.90	4.20	J
74-98-6	Propane	1.33	4.00	2.87	2.41	7.23	5.19	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.29	26.50	79.49	43.43	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	73.76	29.51	88.52	48.36	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Canister: 745
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 08/10/2026 **Time:** 19:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.03	2.47	7.40	29.65	
115-07-1	Propene	1.33	4.00	1.69	2.30	6.90	2.92	J
74-98-6	Propane	1.33	4.00	4.47	2.41	7.23	8.08	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	4.15	2.30	6.90	9.54	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	82.23	2.36	7.09	242.98	
646-04-8	t-2-Pentene	0.80	2.40	64.20	2.30	6.90	184.44	
627-20-3	c-2-Pentene	0.80	2.40	143.62	2.30	6.90	412.63	
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	1.14	2.30	6.90	3.93	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.77	2.16	6.47	2.92	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	0.56	2.34	7.02	2.63	J
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	3.81	2.14	6.41	16.25	
95-47-6	o-xylene	0.50	1.50	2.68	2.18	6.53	11.67	
111-84-2	n-Nonane	0.44	1.33	0.57	2.34	7.01	2.98	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.81	2.19	6.57	8.94	
622-96-8	4-Ethyltoluene	0.44	1.33	0.74	2.19	6.57	3.64	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.03	2.19	6.57	5.05	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.62	2.20	6.60	3.38	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.62	2.20	6.60	3.39	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	277.73	26.50	79.49	981.18	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	1,666.40	29.51	88.52	1,092.72	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 33

File Name: 2614433A
Description: T-305
Canister: 741
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 9:58
Date Analyzed: 08/10/2026 **Time:** 20:17
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.40	2.30	6.91	2.77	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.55	2.41	7.23	4.60	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.33	2.30	6.90	3.05	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.28	2.30	6.90	2.95	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	96.02	2.37	7.10	284.13	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.87	2.36	7.07	10.12	
96-14-0	3-Methylpentane	0.67	2.00	5.89	2.36	7.07	20.81	
110-54-3	n-Hexane	0.67	2.00	28.32	2.36	7.07	100.05	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	6.18	2.35	7.04	25.38	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	131.45	26.50	79.49	464.38	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	788.69	29.51	88.52	517.18	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 34

File Name: 2614434A
Description: T-306
Canister: 708
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 08/11/2026 **Time:** 12:32
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	28.26	2.47	7.40	34.86	
115-07-1	Propene	1.33	4.00	2.41	2.30	6.90	4.17	J
74-98-6	Propane	1.33	4.00	13.53	2.41	7.23	24.46	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	3.50	2.30	6.90	8.06	
106-97-8	n-Butane	1.00	3.00	8.67	2.38	7.14	20.64	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	0.96	2.37	7.10	2.85	J
109-67-1	1-Pentene	0.80	2.40	0.82	2.30	6.90	2.35	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.55	2.36	7.07	16.06	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.78	2.13	6.40	2.51	J
110-82-7	Cyclohexane	0.67	2.00	1.65	2.30	6.90	5.71	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	4.10	2.35	7.04	16.85	
589-34-4	3-Methylhexane	0.57	1.71	1.84	2.35	7.04	7.56	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.33	2.34	7.02	6.24	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.53	2.34	7.02	7.15	
589-81-1	3-Methylheptane	0.50	1.50	4.41	2.34	7.02	20.66	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.64	2.18	6.53	2.80	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.70	2.18	6.53	3.05	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.36	2.19	6.57	6.68	
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.81	2.19	6.57	8.94	
622-96-8	4-Ethyltoluene	0.44	1.33	0.86	2.19	6.57	4.24	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.15	2.19	6.57	5.68	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.23	2.19	6.57	6.05	J
124-18-5	n-Decane	0.40	1.20	2.29	2.33	7.00	13.38	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.99	2.19	6.57	4.88	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.53	2.20	6.60	13.89	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	75.72	26.50	79.49	267.50	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	454.31	29.51	88.52	297.91	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Canister: 698
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 08/11/2026 **Time:** 13:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	13.49	2.47	7.40	16.64	
115-07-1	Propene	1.33	4.00	2.13	2.30	6.90	3.67	J
74-98-6	Propane	1.33	4.00	23.06	2.41	7.23	41.68	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.18	2.38	7.14	5.20	J
624-64-6	t-2-Butene	1.00	3.00	1.15	2.30	6.90	2.63	J
590-18-1	c-2-Butene	1.00	3.00	1.06	2.30	6.90	2.45	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	2.38	2.30	6.90	6.83	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.16	26.50	79.49	85.35	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	144.96	29.51	88.52	95.05	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 36

File Name: 2614436A
Description: T-308
Canister: 608
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 9:59
Date Analyzed: 08/11/2026 **Time:** 14:12
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	139.56	2.30	6.90	240.79	
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	53.36	2.38	7.14	127.06	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	15.04	2.30	6.90	34.58	
78-78-4	i-Pentane	0.80	2.40	51.07	2.37	7.10	151.12	
109-67-1	1-Pentene	0.80	2.40	4.67	2.30	6.90	13.41	
109-66-0	n-Pentane	0.80	2.40	18.29	2.36	7.09	54.05	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	83.49	2.30	6.90	239.87	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.96	2.36	7.07	17.51	
110-54-3	n-Hexane	0.67	2.00	59.51	2.36	7.07	210.24	
96-37-7	Methylcyclopentane	0.67	2.00	51.98	2.30	6.90	179.39	
108-08-7	2,4-Dimethylpentane	0.57	1.71	7.27	2.35	7.04	29.85	
71-43-2	Benzene	0.67	2.00	22.04	2.13	6.40	70.53	
110-82-7	Cyclohexane	0.67	2.00	51.25	2.30	6.90	176.87	
591-76-4	2-Methylhexane	0.57	1.71	16.16	2.35	7.04	66.35	
565-59-3	2,3-Dimethylpentane	0.57	1.71	5.91	2.35	7.04	24.27	
589-34-4	3-Methylhexane	0.57	1.71	0.99	2.35	7.04	4.08	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	74.96	2.35	7.04	307.81	
108-87-2	Methylcyclohexane	0.57	1.71	27.00	2.30	6.90	108.65	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	26.80	2.34	7.02	125.42	
108-88-3	Toluene	0.57	1.71	20.13	2.16	6.47	75.97	
592-27-8	2-Methylheptane	0.50	1.50	17.61	2.34	7.02	82.42	
589-81-1	3-Methylheptane	0.50	1.50	14.02	2.34	7.02	65.62	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	22.08	2.18	6.53	96.11	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	28.73	2.18	6.53	125.03	
100-42-5	Styrene	0.50	1.50	19.72	2.14	6.41	84.23	
95-47-6	o-xylene	0.50	1.50	9.32	2.18	6.53	40.58	
111-84-2	n-Nonane	0.44	1.33	3.01	2.34	7.01	15.85	
98-82-8	i-Propylbenzene	0.44	1.33	5.09	2.19	6.57	25.06	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	5.34	2.19	6.57	26.31	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	8.48	2.19	6.57	41.80	
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	3.31	2.19	6.57	16.29	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	2.40	2.19	6.57	11.82	
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.63	2.20	6.60	3.46	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	1.83	2.20	6.60	10.04	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	844.11	26.50	79.49	2,982.08	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	5,064.69	29.51	88.52	3,321.11	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Canister: 647
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 08/11/2026 **Time:** 16:47
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.49	2.30	6.91	2.87	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.51	2.47	7.40	33.93	
115-07-1	Propene	1.33	4.00	1.42	2.30	6.90	2.45	J
74-98-6	Propane	1.33	4.00	8.58	2.41	7.23	15.50	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.00	2.30	6.90	4.61	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.89	2.36	7.07	3.14	J
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	3.56	2.35	7.04	14.62	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.58	2.35	7.04	2.38	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	0.88	2.30	6.90	3.53	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.91	2.18	6.53	3.97	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	2.90	2.18	6.53	12.60	
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	0.80	2.19	6.57	3.92	J
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.39	2.19	6.57	6.84	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.12	2.20	6.60	6.14	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.49	2.20	6.60	2.72	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	38.39	26.50	79.49	135.62	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	230.34	29.51	88.52	151.04	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Canister: 654
QC_Batch: 082726-GCK

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 08/27/2026 **Time:** 13:27
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.29	2.47	7.40	26.27	
115-07-1	Propene	1.33	4.00	2.66	2.30	6.90	4.59	J
74-98-6	Propane	1.33	4.00	2.87	2.41	7.23	5.19	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.28	2.36	7.07	4.53	J
110-54-3	n-Hexane	0.67	2.00	0.92	2.36	7.07	3.25	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.30	2.13	6.40	4.17	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	8.81	2.35	7.04	36.17	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.83	2.19	6.57	4.08	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	27.04	26.50	79.49	95.53	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	162.25	29.51	88.52	106.39	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 39

File Name: 2614439A
Description: T-311
Canister: 605
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 11:15
Date Analyzed: 08/11/2026 **Time:** 20:42
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.56	2.47	7.40	30.29	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.70	2.41	7.23	13.92	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.20	2.30	6.90	2.76	J
106-97-8	n-Butane	1.00	3.00	1.81	2.38	7.14	4.32	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.03	2.37	7.10	3.06	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.70	2.36	7.07	9.55	
110-54-3	n-Hexane	0.67	2.00	4.76	2.36	7.07	16.82	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	0.82	2.35	7.04	3.36	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.66	2.35	7.04	6.81	J
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	1.08	2.34	7.02	5.03	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.62	2.18	6.53	2.68	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.84	2.19	6.57	4.15	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.74	2.19	6.57	3.64	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.55	2.19	6.57	2.72	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.14	2.19	6.57	5.61	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.38	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	35.66	26.50	79.49	125.97	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	213.94	29.51	88.52	140.29	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Canister: 730
QC_Batch: 081226-GCK

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 08/12/2026 **Time:** 12:00
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.10	2.47	7.40	33.43	
115-07-1	Propene	1.33	4.00	2.96	2.30	6.90	5.11	J
74-98-6	Propane	1.33	4.00	3.72	2.41	7.23	6.73	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	12.38	26.50	79.49	43.72	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	74.26	29.51	88.52	48.69	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Canister: 766
QC_Batch: 081226-GCK

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 08/12/2026 **Time:** 12:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	12.40	2.47	7.40	15.30	
115-07-1	Propene	1.33	4.00	2.07	2.30	6.90	3.58	J
74-98-6	Propane	1.33	4.00	4.17	2.41	7.23	7.54	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	8.22	26.50	79.49	29.02	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	49.29	29.51	88.52	32.32	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Canister: 662
QC_Batch: 073126-GCK

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 07/31/26 **Time:** 20:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Canister: 643
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 08/12/2026 **Time:** 13:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.64	2.47	7.40	29.16	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.97	2.41	7.23	5.36	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	10.63	26.50	79.49	37.57	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	63.80	29.51	88.52	41.84	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

SDG: 226144
Analytical Method: TO-14FID
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Canister: 740
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 08/12/2026 **Time:** 14:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.61	2.30	6.91	4.16	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.80	2.47	7.40	39.23	
115-07-1	Propene	1.33	4.00	1.79	2.30	6.90	3.09	J
74-98-6	Propane	1.33	4.00	21.06	2.41	7.23	38.07	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	11.49	2.38	7.14	27.36	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.83	2.37	7.10	8.37	
109-67-1	1-Pentene	0.80	2.40	1.08	2.30	6.90	3.09	J
109-66-0	n-Pentane	0.80	2.40	0.94	2.36	7.09	2.78	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	0.74	2.30	6.90	2.54	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	3.55	2.34	7.02	16.63	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.27	2.16	6.47	4.80	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.47	2.19	6.57	2.32	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	47.36	26.50	79.49	167.33	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	284.18	29.51	88.52	186.35	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Canister: 699
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 08/12/2026 **Time:** 16:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	22.58	2.47	7.40	27.85	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	5.98	2.41	7.23	10.80	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.23	2.38	7.14	5.30	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.59	2.16	6.47	2.24	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.73	26.50	79.49	48.49	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	82.36	29.51	88.52	54.00	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Canister: 618
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 08/12/2026 **Time:** 17:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	30.04	2.30	6.91	34.60	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.64	2.47	7.40	6.96	J
115-07-1	Propene	1.33	4.00	8.35	2.30	6.90	14.40	
74-98-6	Propane	1.33	4.00	20.22	2.41	7.23	36.55	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	15.54	2.38	7.14	36.99	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	9.06	2.37	7.10	26.80	
109-67-1	1-Pentene	0.80	2.40	2.63	2.30	6.90	7.54	
109-66-0	n-Pentane	0.80	2.40	1.63	2.36	7.09	4.80	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.91	2.36	7.07	3.20	J
96-14-0	3-Methylpentane	0.67	2.00	0.94	2.36	7.07	3.33	J
110-54-3	n-Hexane	0.67	2.00	1.28	2.36	7.07	4.52	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.21	2.13	6.40	3.89	J
110-82-7	Cyclohexane	0.67	2.00	2.24	2.30	6.90	7.74	
591-76-4	2-Methylhexane	0.57	1.71	0.80	2.35	7.04	3.29	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.76	2.35	7.04	3.12	J
589-34-4	3-Methylhexane	0.57	1.71	1.23	2.35	7.04	5.03	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	6.53	2.34	7.02	30.58	
142-82-5	n-Heptane	0.57	1.71	0.95	2.35	7.04	3.89	J
108-87-2	Methylcyclohexane	0.57	1.71	2.47	2.30	6.90	9.94	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.84	2.34	7.02	8.63	
108-88-3	Toluene	0.57	1.71	5.67	2.16	6.47	21.41	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.20	2.34	7.02	5.63	J
100-41-4	Ethylbenzene	0.50	1.50	0.58	2.18	6.53	2.51	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.35	2.18	6.53	5.87	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	2.01	2.18	6.53	8.77	
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.62	2.19	6.57	3.05	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.37	2.19	6.57	6.77	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.60	2.20	6.60	3.29	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	92.10	26.50	79.49	325.38	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	552.62	29.51	88.52	362.37	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 47

File Name: 2614447A
Description: T-405
Canister: 849
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:59
Date Analyzed: 08/12/2026 **Time:** 18:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.45	2.47	7.40	32.63	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.90	2.41	7.23	5.24	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.76	26.50	79.49	48.62	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	82.58	29.51	88.52	54.15	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Canister: 506
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 08/12/2026 **Time:** 19:12
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	2.14	2.47	7.40	2.64	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.02	2.38	7.14	2.42	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.53	2.37	7.10	4.52	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.35	2.36	7.07	8.32	
110-54-3	n-Hexane	0.67	2.00	0.70	2.36	7.07	2.49	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.22	2.34	7.02	5.69	J
108-88-3	Toluene	0.57	1.71	3.77	2.16	6.47	14.23	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	0.51	2.14	6.41	2.17	J
95-47-6	o-xylene	0.50	1.50	0.51	2.18	6.53	2.22	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.89	2.19	6.57	4.36	J
124-18-5	n-Decane	0.40	1.20	0.42	2.33	7.00	2.43	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	19.27	26.50	79.49	68.08	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	115.63	29.51	88.52	75.82	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 49

File Name: 2614449A
Description: T-407
Canister: 823
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 10:07
Date Analyzed: 08/12/2026 **Time:** 19:54
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.10	2.47	7.40	26.03	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.72	2.41	7.23	4.92	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.70	2.36	7.07	2.49	J
96-14-0	3-Methylpentane	0.67	2.00	2.92	2.36	7.07	10.33	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	3.10	2.35	7.04	12.71	
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.85	2.16	6.47	3.19	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	0.56	2.34	7.02	2.61	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	19.44	26.50	79.49	68.68	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	116.64	29.51	88.52	76.49	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 50

File Name: 2614450A
Description: T-408
Canister: 789
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 10:11
Date Analyzed: 08/13/2026 **Time:** 12:11
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	12.64	2.30	6.91	14.56	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	34.61	2.47	7.40	42.70	
115-07-1	Propene	1.33	4.00	5.69	2.30	6.90	9.82	
74-98-6	Propane	1.33	4.00	23.39	2.41	7.23	42.27	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.27	2.38	7.14	5.41	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.28	2.37	7.10	6.75	J
109-67-1	1-Pentene	0.80	2.40	1.55	2.30	6.90	4.46	J
109-66-0	n-Pentane	0.80	2.40	1.74	2.36	7.09	5.15	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.33	2.36	7.07	4.69	J
96-14-0	3-Methylpentane	0.67	2.00	1.24	2.36	7.07	4.39	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	1.08	2.30	6.90	3.73	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.26	2.35	7.04	5.19	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	1.55	2.30	6.90	5.34	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.63	2.35	7.04	2.60	J
589-34-4	3-Methylhexane	0.57	1.71	0.68	2.35	7.04	2.78	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	2.36	2.30	6.90	9.49	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.14	2.34	7.02	5.36	J
108-88-3	Toluene	0.57	1.71	1.64	2.16	6.47	6.20	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.54	2.18	6.53	2.35	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	0.74	2.19	6.57	3.64	J
103-65-1	n-propylbenzene	0.44	1.33	0.82	2.19	6.57	4.05	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.52	2.19	6.57	2.56	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.46	2.19	6.57	2.29	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	57.03	26.50	79.49	201.46	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	342.15	29.51	88.52	224.36	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 51

File Name: 2614451A
Description: T-409
Canister: 732
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:10
Date Analyzed: 08/13/2026 **Time:** 12:58
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.09	2.47	7.40	32.19	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.07	2.16	6.47	4.03	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.62	26.50	79.49	51.64	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	87.70	29.51	88.52	57.51	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Canister: 709
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 08/13/2026 **Time:** 13:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	13.63	2.30	6.91	15.69	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.18	2.47	7.40	7.62	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.59	2.41	7.23	6.48	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.75	2.13	6.40	2.40	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.68	2.35	7.04	2.78	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.01	2.19	6.57	5.00	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.53	2.19	6.57	7.55	
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	17.43	26.50	79.49	61.59	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	104.60	29.51	88.52	68.59	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 53

File Name: 2614453A
Description: T-411
Canister: 750
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 08/13/2026 **Time:** 14:42
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	15.48	2.47	7.40	19.10	
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.51	J
74-98-6	Propane	1.33	4.00	6.46	2.41	7.23	11.68	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.02	2.38	7.14	9.57	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	27.75	2.36	7.07	98.02	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	22.33	2.35	7.04	91.69	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	17.27	2.34	7.02	80.81	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.94	2.34	7.02	9.07	
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.76	2.18	6.53	3.30	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.10	2.18	6.53	4.77	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.13	2.19	6.57	5.58	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	96.19	26.50	79.49	339.82	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	577.13	29.51	88.52	378.45	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 54

File Name: 2614454B
Description: T-412
Canister: 503
QC_Batch: 083126-GCK

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 08/31/2026 **Time:** 13:34
Can Factor: 1.51
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	6.04	18.12	ND	6.96	20.87	ND	ND
74-86-2	Acetylene	6.04	18.12	ND	6.44	19.31	ND	ND
74-84-0	Ethane	6.04	18.12	310.55	7.45	22.35	383.09	
115-07-1	Propene	4.03	12.08	280.21	6.95	20.84	483.48	
74-98-6	Propane	4.03	12.08	773.76	7.28	21.83	1,398.48	
75-28-5	i-Butane	3.02	9.06	4.42	7.19	21.57	10.52	J
106-98-9	1-Butene	3.02	9.06	ND	6.94	20.83	ND	ND
106-97-8	n-Butane	3.02	9.06	349.70	7.19	21.57	832.68	
624-64-6	t-2-Butene	3.02	9.06	73.76	6.94	20.83	169.58	
590-18-1	c-2-Butene	3.02	9.06	40.18	6.94	20.83	92.38	
78-78-4	i-Pentane	2.42	7.25	192.71	7.15	21.45	570.24	
109-67-1	1-Pentene	2.42	7.25	68.90	6.94	20.82	197.94	
109-66-0	n-Pentane	2.42	7.25	7.24	7.14	21.42	21.40	J
646-04-8	t-2-Pentene	2.42	7.25	ND	6.94	20.82	ND	ND
627-20-3	c-2-Pentene	2.42	7.25	33.91	6.94	20.82	97.43	
75-83-2	2,2-Dimethylbutane	2.01	6.04	3.96	7.11	21.34	14.00	J
287-92-3	Cyclopentane	2.42	7.25	196.36	6.94	20.82	564.12	
79-29-8	2,3-Dimethylbutane	2.01	6.04	ND	7.11	21.34	ND	ND
107-83-5	2-Methylpentane	2.01	6.04	65.87	7.11	21.34	232.70	
96-14-0	3-Methylpentane	2.01	6.04	68.91	7.11	21.34	243.44	
110-54-3	n-Hexane	2.01	6.04	41.90	7.11	21.34	148.01	
96-37-7	Methylcyclopentane	2.01	6.04	ND	6.95	20.84	ND	ND
108-08-7	2,4-Dimethylpentane	1.73	5.18	30.77	7.09	21.26	126.35	
71-43-2	Benzene	2.01	6.04	27.04	6.44	19.33	86.56	
110-82-7	Cyclohexane	2.01	6.04	22.11	6.95	20.84	76.31	
591-76-4	2-Methylhexane	1.73	5.18	14.13	7.09	21.26	58.03	
565-59-3	2,3-Dimethylpentane	1.73	5.18	8.90	7.09	21.26	36.56	
589-34-4	3-Methylhexane	1.73	5.18	24.25	7.09	21.26	99.59	
540-84-1	2,2,4-Trimethylpentane	1.51	4.53	71.27	7.07	21.20	333.56	
142-82-5	n-Heptane	1.73	5.18	66.29	7.09	21.26	272.21	
108-87-2	Methylcyclohexane	1.73	5.18	58.64	6.95	20.84	236.01	
565-75-3	2,3,4-Trimethylpentane	1.51	4.53	15.30	7.07	21.20	71.60	
108-88-3	Toluene	1.73	5.18	52.54	6.51	19.54	198.33	
592-27-8	2-Methylheptane	1.51	4.53	10.57	7.07	21.20	49.47	
589-81-1	3-Methylheptane	1.51	4.53	6.66	7.07	21.20	31.19	
111-65-9	n-Octane	1.51	4.53	10.02	7.07	21.20	46.89	
100-41-4	Ethylbenzene	1.51	4.53	24.57	6.57	19.72	106.94	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.51	4.53	44.97	6.57	19.72	195.74	
100-42-5	Styrene	1.51	4.53	19.89	6.45	19.35	84.92	
95-47-6	o-xylene	1.51	4.53	29.30	6.57	19.72	127.53	
111-84-2	n-Nonane	1.34	4.03	16.21	7.06	21.17	85.25	
98-82-8	i-Propylbenzene	1.34	4.03	10.07	6.61	19.84	49.62	
103-65-1	n-propylbenzene	1.34	4.03	ND	6.61	19.84	ND	ND
620-14-4	3-Ethyltoluene	1.34	4.03	ND	6.61	19.84	ND	ND
622-96-8	4-Ethyltoluene	1.34	4.03	73.90	6.61	19.84	364.05	
108-67-8	1,3,5-Trimethylbenzene	1.34	4.03	15.15	6.61	19.84	74.65	
611-14-3	2-Ethyltoluene	1.34	4.03	20.19	6.61	19.84	99.48	
95-63-6	1,2,4-Trimethylbenzene	1.34	4.03	35.74	6.61	19.84	176.07	
124-18-5	n-Decane	1.21	3.62	ND	7.05	21.14	ND	ND
526-73-8	1,2,3-Trimethylbenzene	1.34	4.03	ND	6.61	19.84	ND	ND
141-93-5	1,3-Diethylbenzene	1.21	3.62	11.36	6.64	19.93	62.47	
105-05-5	1,4-Diethylbenzene	1.21	3.62	2.84	6.64	19.93	15.64	J
1120-21-4	Undecane	1.10	3.29	ND	7.03	21.10	ND	ND
112-40-3	Dodecane	1.01	3.02	ND	7.03	21.08	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	22.65	67.95	2,479.26	80.02	240.05	8,758.70	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	135.90	407.70	14,875.57	89.11	267.34	9,754.47	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 55

File Name: 2614455A
Description: T-413
Canister: 695
QC_Batch: 081326-GCK

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 08/13/2026 **Time:** 17:23
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.45	2.30	6.91	2.82	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	168.66	2.47	7.40	208.06	
115-07-1	Propene	1.33	4.00	177.78	2.30	6.90	306.74	
74-98-6	Propane	1.33	4.00	561.37	2.41	7.23	1,014.61	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.70	2.30	6.90	6.20	J
106-97-8	n-Butane	1.00	3.00	383.14	2.38	7.14	912.32	
624-64-6	t-2-Butene	1.00	3.00	84.65	2.30	6.90	194.62	
590-18-1	c-2-Butene	1.00	3.00	25.08	2.30	6.90	57.65	
78-78-4	i-Pentane	0.80	2.40	112.81	2.37	7.10	333.80	
109-67-1	1-Pentene	0.80	2.40	68.50	2.30	6.90	196.78	
109-66-0	n-Pentane	0.80	2.40	43.80	2.36	7.09	129.42	
646-04-8	t-2-Pentene	0.80	2.40	10.36	2.30	6.90	29.75	
627-20-3	c-2-Pentene	0.80	2.40	3.63	2.30	6.90	10.43	
75-83-2	2,2-Dimethylbutane	0.67	2.00	10.64	2.36	7.07	37.58	
287-92-3	Cyclopentane	0.80	2.40	146.67	2.30	6.90	421.37	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	92.04	2.36	7.07	325.15	
96-14-0	3-Methylpentane	0.67	2.00	63.55	2.36	7.07	224.51	
110-54-3	n-Hexane	0.67	2.00	98.50	2.36	7.07	347.97	
96-37-7	Methylcyclopentane	0.67	2.00	3.85	2.30	6.90	13.27	
108-08-7	2,4-Dimethylpentane	0.57	1.71	68.30	2.35	7.04	280.48	
71-43-2	Benzene	0.67	2.00	53.73	2.13	6.40	171.98	
110-82-7	Cyclohexane	0.67	2.00	78.57	2.30	6.90	271.13	
591-76-4	2-Methylhexane	0.57	1.71	41.98	2.35	7.04	172.40	
565-59-3	2,3-Dimethylpentane	0.57	1.71	24.43	2.35	7.04	100.32	
589-34-4	3-Methylhexane	0.57	1.71	62.07	2.35	7.04	254.88	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	121.05	2.34	7.02	566.55	
142-82-5	n-Heptane	0.57	1.71	133.01	2.35	7.04	546.20	
108-87-2	Methylcyclohexane	0.57	1.71	119.43	2.30	6.90	480.67	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	29.16	2.34	7.02	136.48	
108-88-3	Toluene	0.57	1.71	140.34	2.16	6.47	529.71	
592-27-8	2-Methylheptane	0.50	1.50	38.58	2.34	7.02	180.58	
589-81-1	3-Methylheptane	0.50	1.50	27.41	2.34	7.02	128.31	
111-65-9	n-Octane	0.50	1.50	37.71	2.34	7.02	176.48	
100-41-4	Ethylbenzene	0.50	1.50	51.18	2.18	6.53	222.76	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	68.20	2.18	6.53	296.84	
100-42-5	Styrene	0.50	1.50	31.27	2.14	6.41	133.55	
95-47-6	o-xylene	0.50	1.50	39.64	2.18	6.53	172.54	
111-84-2	n-Nonane	0.44	1.33	19.66	2.34	7.01	103.38	
98-82-8	i-Propylbenzene	0.44	1.33	10.74	2.19	6.57	52.91	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	7.15	2.19	6.57	35.21	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	11.68	2.19	6.57	57.55	
611-14-3	2-Ethyltoluene	0.44	1.33	16.04	2.19	6.57	79.04	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	25.10	2.19	6.57	123.63	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	19.99	2.20	6.60	109.96	
105-05-5	1,4-Diethylbenzene	0.40	1.20	1.38	2.20	6.60	7.57	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	2,930.58	26.50	79.49	10,353.10	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	17,583.45	29.51	88.52	11,530.13	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 56

File Name: 2614456A
Description: T-414
Canister: 738
QC_Batch: 082026-GCK

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 08/20/2026 **Time:** 13:16
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.57	2.47	7.40	4.41	J
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.37	2.41	7.23	6.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Canister: 895
QC_Batch: 081326-GCK

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 08/13/2026 **Time:** 18:10
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	7.83	2.47	7.40	9.66	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.37	2.41	7.23	6.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.29	2.38	7.14	5.46	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	14.45	2.34	7.02	67.63	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.57	2.18	6.53	2.48	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.78	2.18	6.53	3.39	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.63	2.18	6.53	2.75	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.19	2.19	6.57	5.87	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	33.86	26.50	79.49	119.63	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	203.18	29.51	88.52	133.23	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 58

File Name: 2614458A
Description: T-502
Canister: 728
QC_Batch: 081326-GCK

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 08/13/2026 **Time:** 18:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	6.40	2.47	7.40	7.90	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.56	2.41	7.23	2.82	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Canister: 858
QC_Batch: 082726-GCK

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 08/27/2026 **Time:** 14:11
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.00	2.30	6.91	3.45	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	22.21	2.47	7.40	27.40	
115-07-1	Propene	1.33	4.00	2.04	2.30	6.90	3.51	J
74-98-6	Propane	1.33	4.00	2.05	2.41	7.23	3.71	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.43	2.38	7.14	3.42	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.52	2.19	6.57	2.54	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	14.01	26.50	79.49	49.50	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	84.06	29.51	88.52	55.12	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 60

File Name: 2614460A
Description: T-504
Canister: 556
QC_Batch: 082726-GCK

Date Sampled: 07/24/26 **Time:** 9:21
Date Analyzed: 08/27/2026 **Time:** 15:03
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.17	2.30	6.91	2.50	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.81	2.47	7.40	29.37	
115-07-1	Propene	1.33	4.00	10.80	2.30	6.90	18.63	
74-98-6	Propane	1.33	4.00	22.44	2.41	7.23	40.56	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	11.05	2.38	7.14	26.32	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	8.00	2.37	7.10	23.67	
109-67-1	1-Pentene	0.80	2.40	1.00	2.30	6.90	2.87	J
109-66-0	n-Pentane	0.80	2.40	1.18	2.36	7.09	3.50	J
646-04-8	t-2-Pentene	0.80	2.40	2.96	2.30	6.90	8.49	
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	6.23	2.30	6.90	17.90	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	6.44	2.36	7.07	22.75	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.26	2.13	6.40	7.23	
110-82-7	Cyclohexane	0.67	2.00	2.56	2.30	6.90	8.82	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	3.54	2.35	7.04	14.54	
589-34-4	3-Methylhexane	0.57	1.71	0.86	2.35	7.04	3.51	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	0.78	2.34	7.02	3.66	J
108-88-3	Toluene	0.57	1.71	1.89	2.16	6.47	7.13	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	6.63	2.34	7.02	31.04	
111-65-9	n-Octane	0.50	1.50	0.68	2.34	7.02	3.18	J
100-41-4	Ethylbenzene	0.50	1.50	1.03	2.18	6.53	4.50	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.48	2.18	6.53	6.45	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.36	2.18	6.53	5.93	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.55	2.19	6.57	7.64	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.78	2.19	6.57	3.86	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	89.64	26.50	79.49	316.66	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	537.81	29.51	88.52	352.66	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Canister: 627
QC_Batch: 082726-GCK

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 08/27/2026 **Time:** 15:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.78	2.30	6.91	3.20	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.09	2.47	7.40	29.71	
115-07-1	Propene	1.33	4.00	3.47	2.30	6.90	5.98	J
74-98-6	Propane	1.33	4.00	5.90	2.41	7.23	10.67	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	1.05	2.30	6.90	2.41	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	2.84	2.30	6.90	8.16	
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	1.33	2.34	7.02	6.24	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	1.15	2.14	6.41	4.90	J
95-47-6	o-xylene	0.50	1.50	0.64	2.18	6.53	2.78	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.02	2.19	6.57	9.93	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.13	2.19	6.57	5.57	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.85	2.20	6.60	4.67	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.56	2.20	6.60	3.06	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	30.75	26.50	79.49	108.63	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	184.50	29.51	88.52	120.99	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Canister: 760
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 08/19/2026 **Time:** 11:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.54	2.30	6.90	2.66	J
74-98-6	Propane	1.33	4.00	2.76	2.41	7.23	4.98	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.67	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Canister: 696
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 08/19/2026 **Time:** 12:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.53	J
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.66	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 64

File Name: 2614464A
Description: T-508
Canister: 768
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:33
Date Analyzed: 08/19/2026 **Time:** 13:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	2.11	2.30	6.90	3.65	J
74-98-6	Propane	1.33	4.00	2.92	2.41	7.23	5.28	J
75-28-5	i-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.66	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Canister: 837
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 08/19/2026 **Time:** 18:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	7.11	2.30	6.90	12.27	
74-98-6	Propane	1.33	4.00	8.08	2.41	7.23	14.60	
75-28-5	i-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
106-98-9	1-Butene	1.00	3.00	2.07	2.30	6.90	4.77	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.24	26.50	79.49	43.26	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	73.47	29.51	88.52	48.18	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Canister: 647
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 08/19/2026 **Time:** 19:58
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Canister: 786
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 08/19/2026 **Time:** 21:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.39	2.41	7.23	2.52	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.14	2.30	6.90	2.61	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Canister: 877
QC_Batch: 082026-GCK

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 08/20/2026 **Time:** 11:40
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.69	2.47	7.40	30.46	
115-07-1	Propene	1.33	4.00	2.55	2.30	6.90	4.41	J
74-98-6	Propane	1.33	4.00	3.56	2.41	7.23	6.43	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.05	2.38	7.14	2.50	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.14	26.50	79.49	46.42	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	78.84	29.51	88.52	51.70	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Canister: 892
QC_Batch: 082026-GCK

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 08/20/2026 **Time:** 12:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	16.57	2.47	7.40	20.44	
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.52	J
74-98-6	Propane	1.33	4.00	2.80	2.41	7.23	5.06	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.63	2.38	7.14	6.26	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	10.68	26.50	79.49	37.75	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	64.11	29.51	88.52	42.04	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Canister: 775
QC_Batch: 080326-GCK

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 08/03/2026 **Time:** 13:13
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

Section 4 Data Package

This section contains the Data Packages for the samples, blanks, and calibration. Each package has the analytical report, quantitation report, calculation sheet, instrument quantation report, and chromatograms.

Items provided in Data Package:

DAB Run Logs and Preparation Logs

Sample Packages

Blank Package for each Daily Analytical Batch

Quality Control Reports, LCS,LCD for each Daily Analytical Batch

Continuing Calibration Package for Each Daily Analytical Batch

Initial Calibration Data

DAB Run Logs and Preparation Logs

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
This section contains the DAB Log Sheets and Preparation Logs.

Index

DAB Run Logs
Other Log Sheets

DAILY ANALYTICAL BATCH FORM

DAB 080526 - GCH

ANALYST REPORT

Method GCMSHORT Chemist PA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative: _____

Analyst Certification

Out of Limits QC Approval _____

DATA PROCESSING

SDG 27644

Lab ID 11-17

Processed

Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 080526-GCK

GCK

DAB	RUN	INST.	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080526-GCK	01	GCK	STD			C08056A		ST62344		1	KL		GC1SHO			
080526-GCK	02	GCK	SPK			QC08056A		ST63479		1	KL		GC1SHO			
080526-GCK	03	GCK	SPK			QC08056B		ST63479		1	KL		GC1SHO			
080526-GCK	04	GCK	SPK			QC08056C		ST63479		1	KL		GC1SHO			
080526-GCK	05	GCK	BLK			B08056A		HUMID BLANK		200	KL		GC1SHO			
080526-GCK	06	GCK	BLK			B08056B		METHOD BLANK		200	KL		KTO3DHC			
080526-GCK	07	GCK	SA	226144	11	2614411A	645	T-111	SCHMIDT	200	KL		KTO3DHC			
080526-GCK	08	GCK	SA	226144	12	2614412A	663	T-112	SCHMIDT	200	KL		KTO3DHC			
080526-GCK	09	GCK	SA	226144	13	2614413A	859	T-113	SCHMIDT	200	SW		KTO3DHC	SORBENT TR		
080526-GCK	10	GCK	SA	226144	15	2614415A	653	T-201	SCHMIDT	200	SW		KTO3DHC	LAST CO2 CA		

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 15

Client: C.E. Schmidt
Client ID: T-201
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 653
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:16
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	687		
Final:	687		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

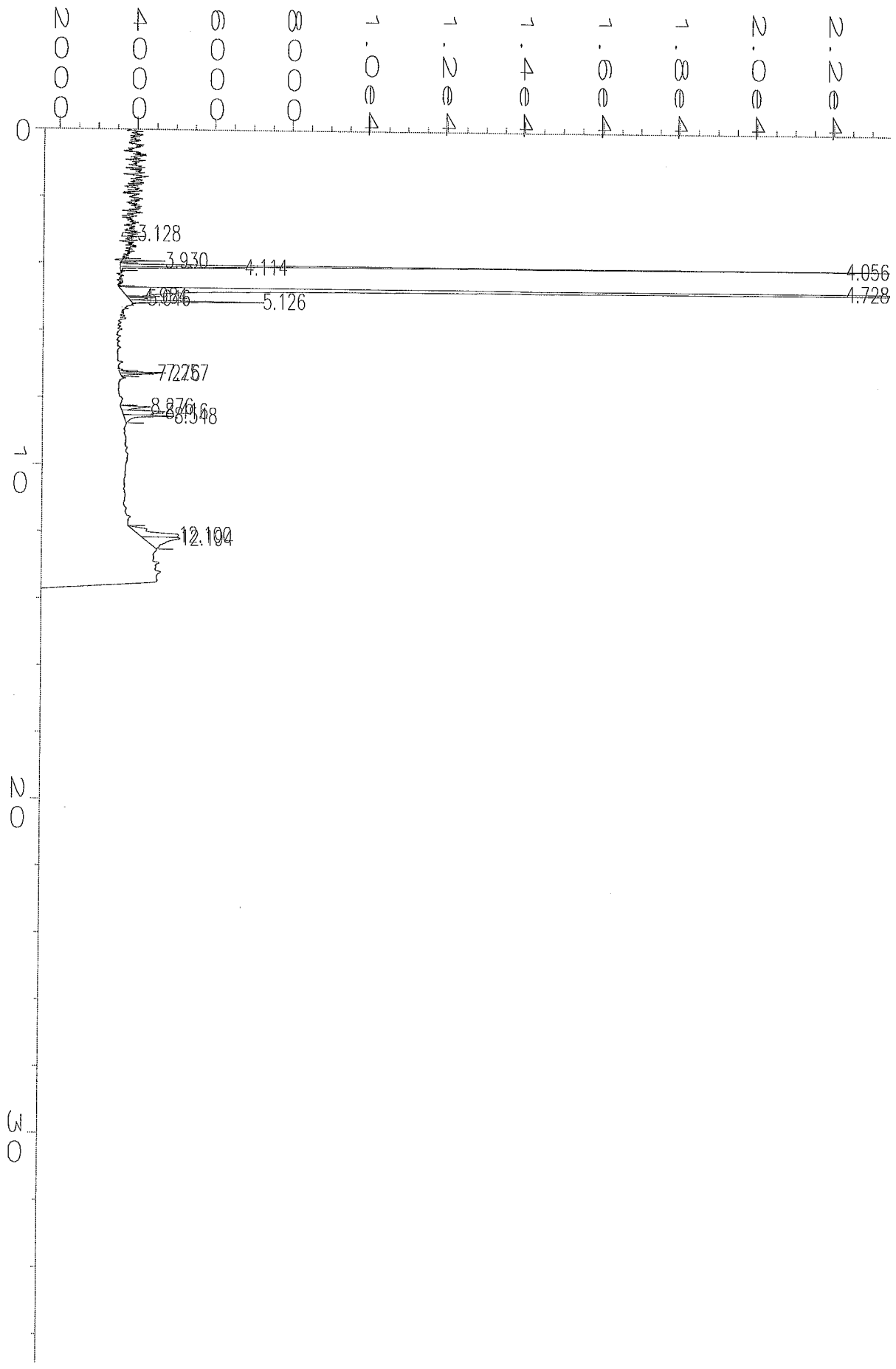
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08056K\2614415A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : T-201
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 05 Aug 26 05:38 PM
Instrument Method: KTO3DHC.MTH
Report Created on: 05 Aug 26 06:15 PM
Analysis Method : KTO3DHC.MTH
Sample Info : SCHMIDT

Sig. 1 in C:\HPCHEM\1\DATA\08056K\2614415A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.128	1413	376	PV	0.051	0.3115
2	3.930	1458	1103	BV	0.021	0.3214
3	4.056	36981	20169	PV	0.028	8.1520
4	4.114	6635	3208	VV	0.032	1.4627
5	4.728	357809	166493	PV	0.031	78.8743
6	4.984	930	444	VV	0.035	0.2051
7	5.046	1425	473	VV	0.041	0.3141
8	5.126	7310	3437	VV	0.033	1.6114
9	7.257	2162	1205	VV	0.030	0.4765
10	7.276	2420	959	VV	0.034	0.5334
11	8.276	3245	757	BV	0.061	0.7152
12	8.416	6941	1090	VV	0.086	1.5301
13	8.548	4859	1292	VB	0.051	1.0711
14	12.100	10563	1015	BV	0.131	2.3284
15	12.194	9494	950	VB	0.127	2.0928

Total area = 453644


2.200
2.000
1.800
1.600
1.400
1.200
1.000
800000
600000
400000
200000
0
10
20
30
3.128
3.930
4.114
4.056
4.728
5.126
7.257
8.548
12.104
C:\HPCHEM\1\DATA\261441SA.D

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 13

Client: C.E. Schmidt
Client ID: T-113
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 859
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:11
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	657			
Final:	657			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08056K\2614413A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-113
Run Time Bar Code:
Acquired on : 05 Aug 26 04:49 PM
Report Created on: 05 Aug 26 05:26 PM
Sample Info : SCHMIDT

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

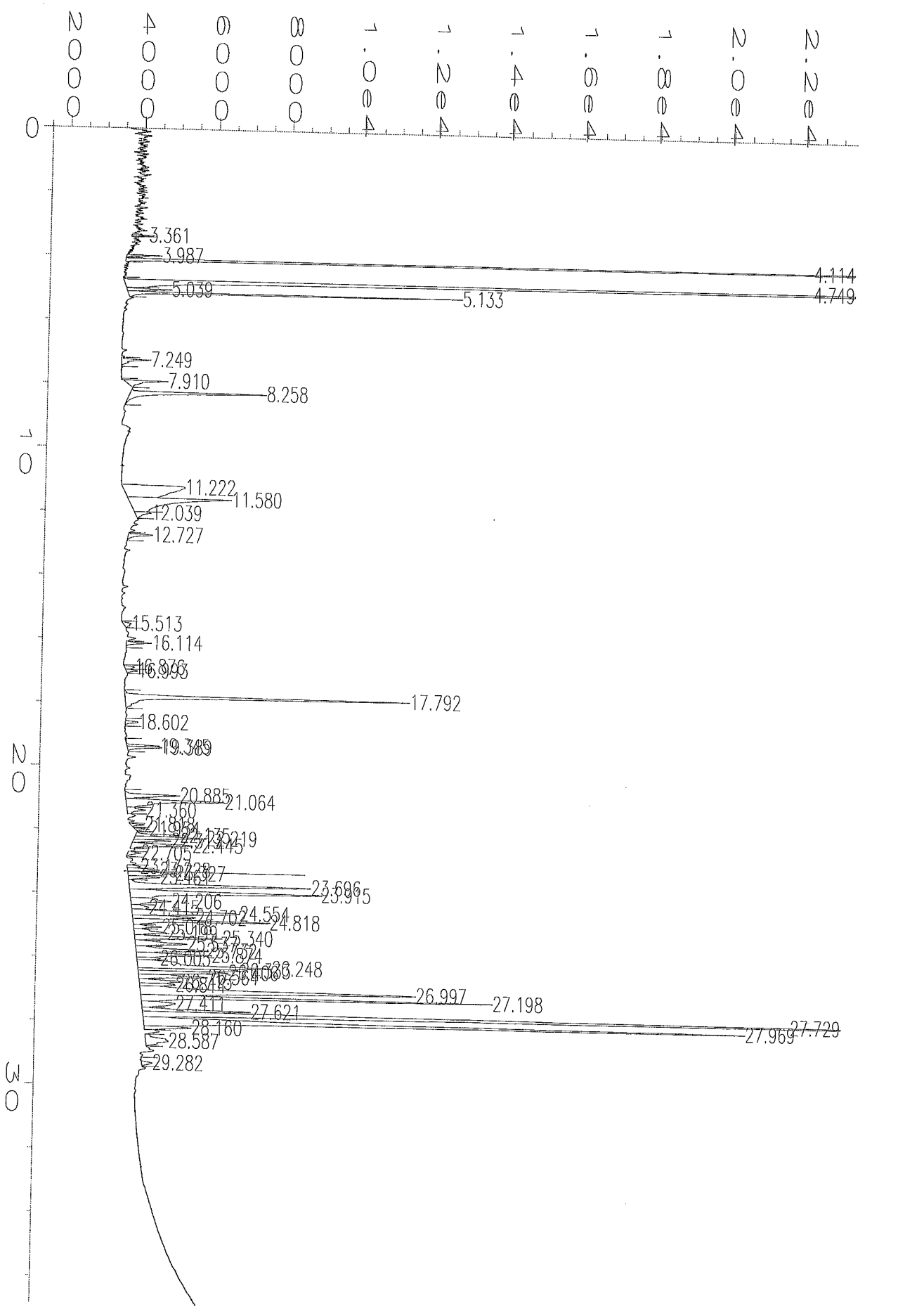
Sig. 1 in C:\HPCHEM\1\DATA\08056K\2614413A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.361	857	468	VV	0.027	0.0709
2	3.987	1485	950	PV	0.024	0.1227
3	4.114	59127	28654	PV	0.033	4.8855
4	4.749	360710	176472	PV	0.056	29.8045
5	5.039	3669	1215	VV	0.044	0.3032
6	5.133	19415	9079	VV	0.033	1.6042
7	7.249	3163	783	VB	0.056	0.2613
8	7.910	5004	1175	BB	0.059	0.4134
9	8.258	16799	3692	BB	0.064	1.3881
10	11.222	29528	1693	BV	0.214	2.4399
11	11.580	29505	2790	VV	0.132	2.4379
12	12.039	2519	444	VV	0.079	0.2082
13	12.727	2776	651	PB	0.065	0.2293
14	15.513	1262	212	BB	0.081	0.1043
15	16.114	2307	672	VB	0.052	0.1906
16	16.876	1259	257	BV	0.072	0.1040
17	16.993	1212	294	VB	0.054	0.1001
18	17.792	35162	7746	BB	0.065	2.9053
19	18.602	1313	338	BB	0.057	0.1085
20	19.345	2743	879	BV	0.052	0.2266
21	19.389	3490	924	VB	0.055	0.2884
22	20.885	7235	1458	BV	0.070	0.5978
23	21.064	17652	2655	VV	0.093	1.4585
24	21.360	3067	488	VV	0.086	0.2534
25	21.818	1090	371	PB	0.046	0.0901
26	21.954	1103	382	BB	0.047	0.0912
27	22.135	4201	1190	BV	0.053	0.3472
28	22.219	8214	1936	VV	0.062	0.6787
29	22.313	3670	1014	VV	0.055	0.3032
30	22.445	8866	1637	VV	0.088	0.7326
31	22.705	1473	346	VV	0.063	0.1217
32	23.137	1456	342	VV	0.071	0.1203
33	23.228	4749	855	VV	0.079	0.3924
34	23.327	7366	1264	VV	0.080	0.6087
35	23.461	3491	846	VV	0.062	0.2884

36	23.696	26407	4914	VV	0.078	2.1820
37	23.915	33208	5162	VV	0.093	2.7439
38	24.206	8155	1086	VV	0.101	0.6738
39	24.415	3062	462	VV	0.091	0.2530
40	24.554	20200	2891	VV	0.111	1.6690
41	24.702	8577	1697	VV	0.075	0.7087
42	24.818	16385	3699	VV	0.065	1.3539
43	25.018	3395	753	VV	0.068	0.2805
44	25.199	5539	883	VV	0.087	0.4577
45	25.340	10876	2362	VV	0.070	0.8987
46	25.537	8117	1390	VV	0.086	0.6707
47	25.732	12173	1892	VV	0.100	1.0058
48	25.874	10417	2027	VV	0.076	0.8607
49	26.005	2455	624	VV	0.059	0.2029
50	26.248	27778	3623	VV	0.106	2.2952
51	26.333	10832	2757	VV	0.056	0.8951
52	26.406	12713	2421	VV	0.076	1.0504
53	26.564	9538	1859	VV	0.076	0.7881
54	26.715	6206	1135	VV	0.080	0.5128
55	26.814	4531	961	VV	0.067	0.3744
56	26.997	52387	7459	VV	0.099	4.3286
57	27.198	40457	9541	VV	0.064	3.3429
58	27.411	7397	901	VV	0.115	0.6112
59	27.621	11841	2909	VV	0.062	0.9784
60	27.729	100184	22747	VV	0.067	8.2779
61	27.969	86166	16316	VV	0.077	7.1197
62	28.160	5996	1261	VV	0.071	0.4955
63	28.587	7021	610	VV	0.149	0.5801
64	29.282	1303	279	BV	0.073	0.1076

Total area = 1210253

==========


0
10
20
30
3.361
3.987
4.114
4.749
5.039
5.133
7.249
7.910
8.258
11.222
11.580
12.039
12.727
15.513
16.114
17.792
18.602
20.885
21.064
23.915
24.206
24.554
24.818
25.340
26.997
27.198
27.621
27.729
27.969
28.160
28.587
29.282

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 12

Client: C.E. Schmidt
Client ID: T-112
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 663
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:17
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	662		
Final:	662		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
MSA TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Area Percent Report

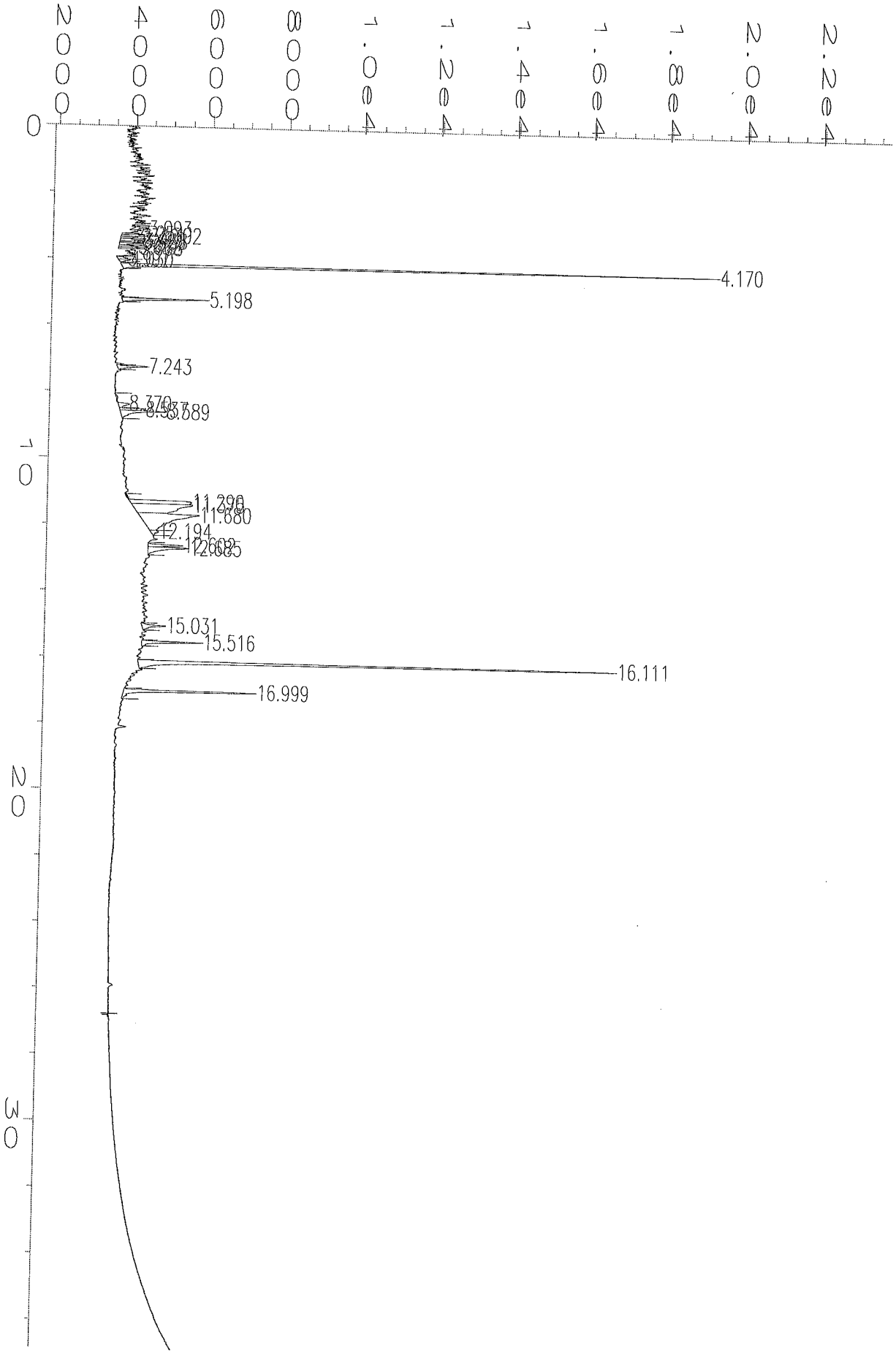
Data File Name : C:\HPCHEM\1\DATA\08056K\2614412A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : T-112
Run Time Bar Code:
Acquired on : 05 Aug 26 02:29 PM
Report Created on: 05 Aug 26 03:06 PM
Sample Info : SCHMIDT

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08056K\2614412A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.093	1383	461	BV	0.039	0.7179
2	3.254	907	510	PV	0.025	0.4706
3	3.302	2149	806	VV	0.036	1.1154
4	3.340	1097	436	VV	0.034	0.5694
5	3.426	1779	577	VV	0.042	0.9232
6	3.468	943	643	VV	0.024	0.4893
7	3.489	903	709	VV	0.021	0.4685
8	3.527	1355	593	VV	0.038	0.7033
9	3.632	1128	511	VV	0.032	0.5853
10	3.668	981	563	VV	0.029	0.5094
11	3.997	883	261	PV	0.046	0.4581
12	4.030	996	318	VB	0.044	0.5169
13	4.170	37350	15686	BV	0.035	19.3851
14	5.198	6297	2295	PV	0.042	3.2684
15	7.243	2740	833	VV	0.049	1.4223
16	8.370	1670	291	BV	0.084	0.8665
17	8.537	2282	670	VV	0.057	1.1846
18	8.589	4952	1227	VB	0.054	2.5699
19	11.290	10151	1610	BV	0.089	5.2685
20	11.375	19720	1581	VV	0.157	10.2348
21	11.680	23617	1567	VV	0.185	12.2575
22	12.194	1185	218	VB	0.075	0.6151
23	12.602	2863	912	BV	0.049	1.4857
24	12.685	5308	1073	VV	0.068	2.7547
25	15.031	2773	639	PV	0.062	1.4390
26	15.516	5113	1595	PV	0.050	2.6535
27	16.111	40109	12541	PV	0.048	20.8169
28	16.999	12042	3474	BV	0.052	6.2502

Total area = 192675


4.170
5.198
7.243
11.680
16.111
16.999
C:\HPCHEM\1\DATA\226 of 1972

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 11

Client: C.E. Schmidt
Client ID: T-111
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 645
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	640		
Final:	640		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
MSA	TO-15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 10	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Area Percent Report

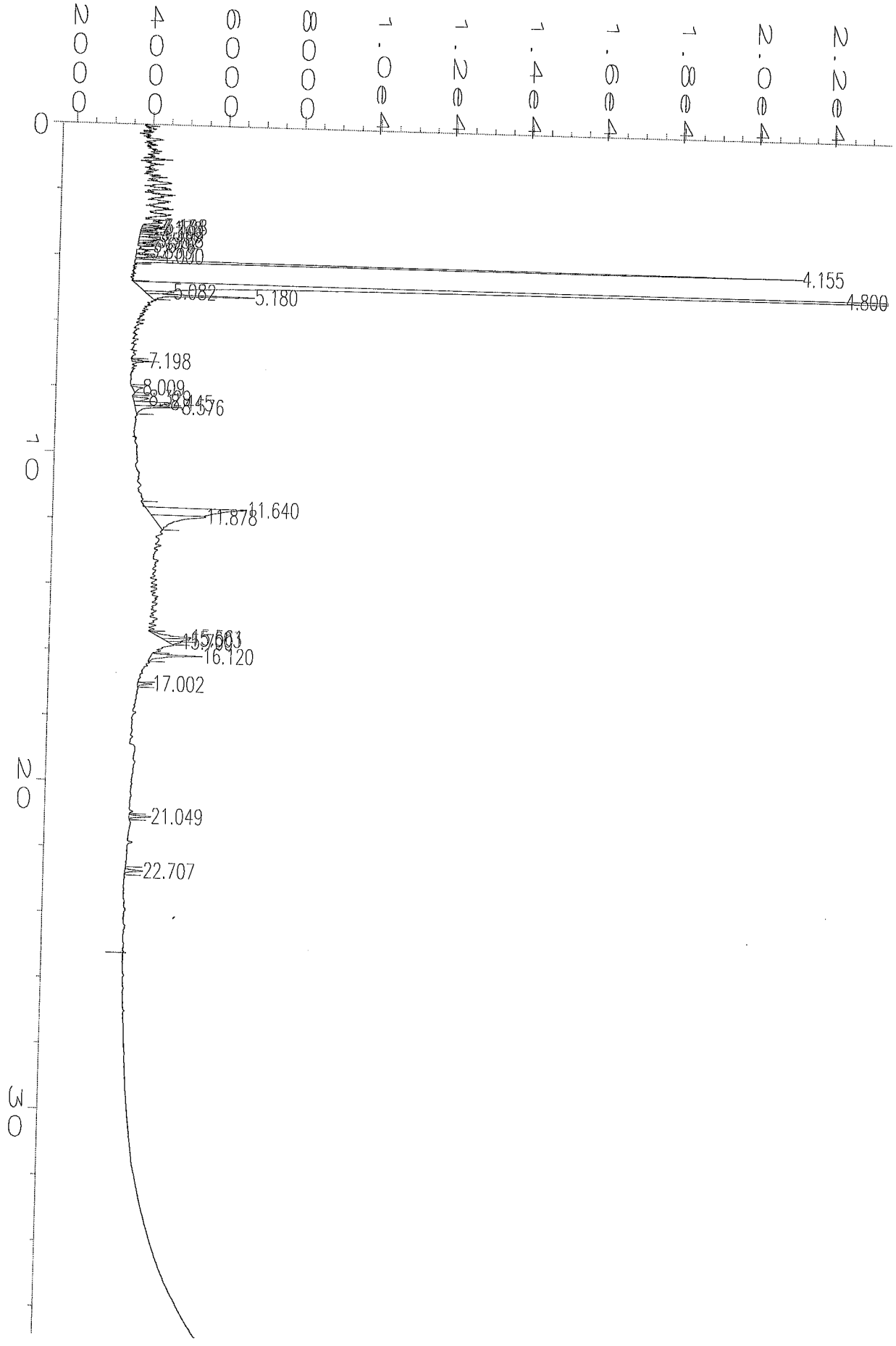
Data File Name : C:\HPCHEM\1\DATA\08056K\2614411A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : T-111
Run Time Bar Code:
Acquired on : 05 Aug 26 01:43 PM
Report Created on: 05 Aug 26 02:20 PM
Sample Info : SCHMIDT

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08056K\2614411A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.108	1381	602	PV	0.033	0.2979
2	3.134	1184	548	VV	0.036	0.2555
3	3.176	992	467	VV	0.036	0.2140
4	3.303	1418	558	VV	0.039	0.3059
5	3.350	1646	599	VV	0.036	0.3551
6	3.488	2207	587	VV	0.050	0.4762
7	3.532	1319	423	VV	0.052	0.2846
8	3.676	1194	458	VV	0.038	0.2577
9	3.853	1499	344	VV	0.057	0.3235
10	4.000	2023	668	VV	0.042	0.4363
11	4.155	41915	17736	VV	0.037	9.0422
12	4.800	320188	118041	BV	0.040	69.0726
13	5.082	2777	773	VV	0.053	0.5991
14	5.180	8696	2810	VV	0.045	1.8759
15	7.198	931	436	BV	0.036	0.2008
16	8.009	1336	268	BB	0.066	0.2883
17	8.329	2104	413	BV	0.070	0.4539
18	8.445	5839	958	VV	0.079	1.2596
19	8.576	4610	1232	VB	0.051	0.9944
20	11.640	26876	2666	PV	0.125	5.7979
21	11.878	14184	1413	VB	0.126	3.0597
22	15.561	4510	829	PV	0.079	0.9729
23	15.603	3064	730	VV	0.070	0.6609
24	15.700	1177	344	VV	0.046	0.2538
25	16.120	5537	1330	PV	0.059	1.1945
26	17.002	1283	376	BV	0.051	0.2768
27	21.049	1931	569	BB	0.052	0.4166
28	22.707	1731	477	BB	0.054	0.3734

Total area = 463553


4.155
4.800
5.082
5.180
7.198
11.878
11.640
16.120
17.002
21.049
22.707

DAILY ANALYTICAL BATCH FORM

DAB 073126 - GCK

ANALYST REPORT

Method GASOLN Chemist DJ

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 14, 28, 42

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 073126-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
073126-GCK	01	GCK	STD			C07316A		ST62344		1	KL		GC1SHO	BAD		
073126-GCK	02	GCK	STD			C07316B		ST62344		1	KL		GC1SHO	OK		
073126-GCK	03	GCK	STD			C07316C		ST62344		1	KL		GC1SHO	OK		
073126-GCK	04	GCK	SPK			QC07316A		ST63479		1	KL		GC1SHO			
073126-GCK	05	GCK	SPK			QC07316B		ST63479		1	KL		GC1SHO			
073126-GCK	06	GCK	SPK			QC07316C		ST63479		1	KL		GC1SHO			
073126-GCK	07	GCK	BLK			B07316A		HUMID BLANK		200	KL		KTO3DHC			
073126-GCK	08	GCK	BLK			B07316B		HUMID BLANK		200	UG		GC1SHO			
073126-GCK	09	GCK	BLK			B07316C		METHOD BLANK		200	UG		GC1SHO			
073126-GCK	10	GCK	SA	226144	14	2614414A	529	T-114	SCHMIDT	200	UG		KTO3DHC	OVEN TEMP		
073126-GCK	11	GCK	SA	226144	28	2614428A	692	T-214	SCHMIDT	200	UG		KTO3DHC	OVEN TEMP		
073126-GCK	12	GCK	SA	226144	42	2614442A	662	T-314	SCHMIDT	200	UG		KTO3DHC			

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 42

Client: C.E. Schmidt
Client ID: T-314
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 662
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:30
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	724		
Final:	724		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\2614442A.D
Operator : UG/SW
Instrument : ANALYZER1
Sample Name : T-314
Run Time Bar Code:
Acquired on : 31 Jul 26 08:52 PM
Report Created on: 31 Jul 26 09:29 PM
Sample Info : SCHMIDT

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\2614442A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.238	2026	1068	PV	0.027	18.1287
2	3.265	883	763	VV	0.019	7.8963
3	3.300	1582	768	VV	0.029	14.1513
4	3.659	1727	585	VV	0.041	15.4542
5	3.838	2475	509	PV	0.062	22.1414
6	7.194	895	342	BV	0.035	8.0101
7	7.251	1589	436	VV	0.061	14.2180

Total area = 11176

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 28

Client: C.E. Schmidt
Client ID: T-214
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 692
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:38
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	715			
Final:	715			
Factor:	1.00			

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\2614428A.D
Operator : UG/SW
Instrument : ANALYZER1
Sample Name : T-214
Run Time Bar Code:
Acquired on : 31 Jul 26 07:46 PM
Report Created on: 31 Jul 26 08:23 PM
Sample Info : SCHMIDT

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\2614428A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	11.069	16166	2219	BV	0.102	21.1324
2	11.325	24511	2633	VV	0.119	32.0425
3	11.468	32196	5961	VV	0.071	42.0879
4	11.505	3624	13899	VB	0.004	4.7372

Total area = 76497

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 14

Client: C.E. Schmidt
Client ID: T-114
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/20/2026 Time: 12:51
Received: 7/24/2026 Time: 16:10

Can Number: 529
FC Number: 0
TAT Working:
Sampling Time:
Flow:

	Date:			
Initial :	850			
Final:	850			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

CRYO

KTD3 DAC

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

DAILY ANALYTICAL BATCH FORM

DAB 080326 - GCM

ANALYST REPORT

Method GC15 4/07 Chemist BA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 26144

Lab ID 3, 4, 5, 56, 70

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 080326-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080326-GCK	01	GCK	STD			C08036A		ST62344		1	KL		GC1SHO			
080326-GCK	02	GCK	SPK			QC08036A		ST63479		1	KL		GC1SHO			
080326-GCK	03	GCK	SPK			QC08036B		ST63479		1	KL		GC1SHO			
080326-GCK	04	GCK	SPK			QC08036C		ST63479		1	KL		GC1SHO			
080326-GCK	05	GCK	BLK			B08036A		HUMID BLANK		200	KL		GC1SHO			
080326-GCK	06	GCK	BLK			B08036B		METHOD BLANK		200	KL		KTO3DHC			
080326-GCK	07	GCK	SA	226144	56	2614456A	738	T-414	SCHMIDT	200	KL		KTO3DHC			
080326-GCK	08	GCK	SA	226144	70	2614470A	775	T-514	SCHMIDT	200	KL		KTO3DHC			
080326-GCK	09	GCK	SA	226144	01	2614401A	758	T-101	SCHMIDT	200	KL		KTO3DHC			
080326-GCK	10	GCK	SA	226144	02	2614402A	737	T-102	SCHMIDT	200	KL		KTO3DHC			
080326-GCK	11	GCK	SA	226144	03	2614403A	548	T-103	SCHMIDT	200	SW		KTO3DHC			
080326-GCK	12	GCK	SA	226144	04	2614404A	990	T-104	SCHMIDT	200	SW		KTO3DHC			
080326-GCK	13	GCK	BLK			B08036C		METHOD BLANK		200	SS		KTO3DHC			
080326-GCK	14	GCK	SA	226144	04	2614404B	990	T-104	SCHMIDT	200	SS		KTO3DHC			
080326-GCK	15	GCK	SA	226144	05	2614405A	885	T-105	SCHMIDT	200	SS		KTO3DHC			

080326-GCK 3/19/08

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 5

Client: C.E. Schmidt
Client ID: T-105
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 885
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 11:00
Received: 7/24/2026 Time: 16:10

Date:
Initial : 647
Final: 647
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 1

Client: C.E. Schmidt
Client ID: T-101
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 758
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

Date:
Initial : 683
Final: 683
Factor: 1.00

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

d - confirmation rerun Mla

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 70

Client: C.E. Schmidt
Client ID: T-514
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 775
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	714			
Final:	714			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 56

Client: C.E. Schmidt
Client ID: T-414
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Can Number: 738
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	688		
Final:	688		
Factor:	1.00		

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 080426 - GCH

ANALYST REPORT

Method GCLSHORT Chemist DA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 6-10

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 080426-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080426-GCK	01	GCK	STD			C08046A		ST62344		1	KL		GC1SHO			
080426-GCK	02	GCK	SPK			QC08046A		ST63479		1	KL		GC1SHO			
080426-GCK	03	GCK	SPK			QC08046B		ST63479		1	KL		GC1SHO			
080426-GCK	04	GCK	SPK			QC08046C		ST63479		1	KL		GC1SHO			
080426-GCK	05	GCK	BLK			B08046A		HUMID BLANK		200	KL		GC1SHO			
080426-GCK	06	GCK	BLK			B08046B		METHOD BLANK		200	KL		KTO3DHC			
080426-GCK	07	GCK	SA	226144	06	2614406A	755	T-106	SCHMIDT	200	KL		KTO3DHC			
080426-GCK	08	GCK	SA	226144	07	2614407A	182	T-107	SCHMIDT	200	KL		KTO3DHC			
080426-GCK	09	GCK	SA	226144	08	2614408A	551	T-108	SCHMIDT	200	KL		KTO3DHC			
080426-GCK	10	GCK	SA	226144	09	2614409A	638	T-109	SCHMIDT	200	SW		KTO3DHC	SAVED OVER		
080426-GCK	11	GCK	SA	226144	10	2614410A	800	T-110	SCHMIDT	200	SW		KTO3DHC	AFTER START		

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 10

Client: C.E. Schmidt
Client ID: T-110
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 800
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

Date:
Initial : 672
Final: 672
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions
EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 6

Client: C.E. Schmidt
Client ID: T-106
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 755
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:59
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	657			
Final:	657			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 080726 - GCM

ANALYST REPORT

Method GCISHORT Chemist DM

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 726144

Lab ID 16-23

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 080726-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
080726-GCK	01	GCK	STD			C08076A		ST62344		1	KL		GC1SHO			
080726-GCK	02	GCK	SPK			QC08076A		ST63479		1	KL		GC1SHO			
080726-GCK	03	GCK	SPK			QC08076B		ST63479		1	KL		GC1SHO			
080726-GCK	04	GCK	SPK			QC08076C		ST63479		1	KL		GC1SHO			
080726-GCK	05	GCK	BLK			B08076A		HUMID BLANK		200	KL		GC1SHO			
080726-GCK	06	GCK	BLK			B08076B		METHOD BLANK		200	KL		KTO3DHC			
080726-GCK	07	GCK	SA	226144	16	2614416A	803	T-202		200	KL		KTO3DHC			
080726-GCK	08	GCK	SA	226144	17	2614417A	668	T-203		200	KL		KTO3DHC			
080726-GCK	09	GCK	SA	226144	18	2614418A	688	T-204		200	KL		KTO3DHC			
080726-GCK	10	GCK	SA	226144	19	2614419A	761	T-205		200	KL		KTO3DHC			
080726-GCK	11	GCK	SA	226144	20	2614420A	809	T-206		200	SW		KTO3DHC			
080726-GCK	12	GCK	SA	226144	21	2614421A	694	T-207		200	SW		KTO3DHC	RAN OVER 2		
080726-GCK	13	GCK	SA	226144	22	2614422A	526	T-208		200	SW		KTO3DHC			
080726-GCK	14	GCK	SA	226144	23	2614423A	856	T-209		200	SW		KTO3DHC			
080726-GCK	15	GCK	SA	226144	24	2614424A	679	T-210		200	SW		KTO3DHC			

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 24

Client: C.E. Schmidt
Client ID: T-210
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 679
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	678		
Final:	678		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 23

Client: C.E. Schmidt
Client ID: T-209
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 856
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	666			
Final:	666			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 22

Client: C.E. Schmidt
Client ID: T-208
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 526
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:45
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	675			
Final:	675			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 21

Client: C.E. Schmidt
Client ID: T-207
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 694
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:53
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	669			
Final:	669			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 19

Client: C.E. Schmidt
Client ID: T-205
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 761
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:52
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	674			
Final:	674			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 18

Client: C.E. Schmidt
Client ID: T-204
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 688
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:33
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	649		
Final:	649		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 17

Client: C.E. Schmidt
Client ID: T-203
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 668
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:37
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	693			
Final:	693			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 16

Client: C.E. Schmidt
Client ID: T-202
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 803
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:11
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	683		
Final:	683		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 080126 - GCH

ANALYST REPORT

Method GCSHORT Chemist BT

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 276144

Lab ID 25-29, 32-33

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☐ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 081026-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
081026-GCK	01	GCK	STD			C08106A		ST62344		1	KL		GC1SHO			
081026-GCK	02	GCK	SPK			QC08106A		ST63479		1	KL		GC1SHO			
081026-GCK	03	GCK	SPK			QC08106B		ST63479		1	KL		GC1SHO			
081026-GCK	04	GCK	SPK			QC08106C		ST63479		1	KL		GC1SHO			
081026-GCK	05	GCK	BLK			B08106A		HUMID BLANK		200	KL		GC1SHO			
081026-GCK	06	GCK	BLK			B08106B		METHOD BLANK		200	KL		KTO3DHC			
081026-GCK	07	GCK	SA	226144	25	2614425A	762	T-211	SCHMIDT	200	KL		KTO3DHC			
081026-GCK	08	GCK	SA	226144	26	2614426A	710	T-212	SCHMIDT	200	KL		KTO3DHC			
081026-GCK	09	GCK	SA	226144	27	2614427A	655	T-213	SCHMIDT	200	KL		KTO3DHC			
081026-GCK	10	GCK	SA	226144	29	2614429A	659	T-301	SCHMIDT	200	SW		KTO3DHC			
081026-GCK	11	GCK	SA	226144	30	2614430A	897	T-302	SCHMIDT	200	SW		KTO3DHC			
081026-GCK	12	GCK	SA	226144	31	2614431A	754	T-303	SCHMIDT	200	SW		KTO3DHC	RAN OVER 26		
081026-GCK	13	GCK	SA	226144	32	2614432A	745	T-304	SCHMIDT	200	SW		KTO3DHC	RAN OVER 26		
081026-GCK	14	GCK	SA	226144	33	2614433A	741	T-305	SCHMIDT	200	SW		KTO3DHC			

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 33

Client: C.E. Schmidt
Client ID: T-305
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 741
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:58
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	670		
Final:	670		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 32

Client: C.E. Schmidt
Client ID: T-304
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 745
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:25
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	679			
Final:	679			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 29

Client: C.E. Schmidt
Client ID: T-301
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 659
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	688		
Final:	688		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 27

Client: C.E. Schmidt
Client ID: T-213
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 655
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	664		
Final:	664		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 26

Client: C.E. Schmidt
Client ID: T-212
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 710
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:15
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	652		
Final:	652		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 25

Client: C.E. Schmidt
Client ID: T-211
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 762
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:10
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	649		
Final:	649		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 081126 - GCU

ANALYST REPORT

Method GCUSHRT Chemist [signature]

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

[signature]
Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG Z26144

Lab ID 34-77,39

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

[signature]
Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 081126-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
081126-GCK	01	GCK	STD			C08116A		ST62344		1	KL		GC1SHO			
081126-GCK	02	GCK	SPK			QC08116A		ST63479		1	KL		GC1SHO			
081126-GCK	03	GCK	SPK			QC08116B		ST63479		1	KL		GC1SHO			
081126-GCK	04	GCK	SPK			QC08116C		ST63479		1	KL		GC1SHO			
081126-GCK	05	GCK	BLK			B08116A		HUMID BLANK		200	KL		GC1SHO			
081126-GCK	06	GCK	BLK			B08116B		METHOD BLANK		200	KL		KTO3DHC			
081126-GCK	07	GCK	SA	226144	34	2614434A	708	T-306	SCHMIDT	200	KL		KTO3DHC			
081126-GCK	08	GCK	SA	226144	35	2614435A	698	T-307	SCHMIDT	200	KL		KTO3DHC			
081126-GCK	09	GCK	SA	226144	36	2614436A	608	T-308	SCHMIDT	200	KL		KTO3DHC			
081126-GCK	10	GCK	SA	226144	37	2614437A	647	T-309	SCHMIDT	200	SW		KTO3DHC			
081126-GCK	11	GCK	SA	226144	38	2614438A	654	T-310	SCHMIDT	200	SW		KTO3DHC			
081126-GCK	12	GCK	SA	226144	39	2614439A	605	T-311	SCHMIDT	200	SW		KTO3DHC			

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 39

Client: C.E. Schmidt
Client ID: T-311
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 605
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:15
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	671			
Final:	671			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 37

Client: C.E. Schmidt
Client ID: T-309
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:17
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	671		
Final:	671		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 36

Client: C.E. Schmidt
Client ID: T-308
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 608
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	382			
Final:	382			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 35

Client: C.E. Schmidt
Client ID: T-307
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 698
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	665		
Final:	665		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 34

Client: C.E. Schmidt
Client ID: T-306
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 708
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

Date:
Initial : 673
Final: 673
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 081226 - GCM

ANALYST REPORT

Method GCSHORT Chemist RA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 40-41, 43-49

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 081226-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
081226-GCK	01	GCK	STD			C08126A		ST62344		1	KL		GC1SHO			
081226-GCK	02	GCK	SPK			QC08126A		ST63479		1	KL		GC1SHO			
081226-GCK	03	GCK	SPK			QC08126B		ST63479		1	KL		GC1SHO			
081226-GCK	04	GCK	SPK			QC08126C		ST63479		1	KL		GC1SHO			
081226-GCK	05	GCK	BLK			B08126A		HUMID BLANK		200	KL		GC1SHO			
081226-GCK	06	GCK	BLK			B08126B		METHOD BLANK		200	KL		KTO3DHC			
081226-GCK	07	GCK	SA	226144	40	2614440A	730	T-312	SCHMIDT	200	KL		KTO3DHC			
081226-GCK	08	GCK	SA	226144	41	2614441A	766	T-313	SCHMIDT	200	KL		KTO3DHC			
081226-GCK	09	GCK	SA	226144	43	2614443A	643	T-401	SCHMIDT	200	KL		KTO3DHC			
081226-GCK	10	GCK	SA	226144	44	2614444A	740	T-402	SCHMIDT	200	KL		KTO3DHC			
081226-GCK	11	GCK	SA	226144	45	2614445A	699	T-403	SCHMIDT	200	SW		KTO3DHC			
081226-GCK	12	GCK	SA	226144	46	2614446A	618	T-404	SCHMIDT	200	SW		KTO3DHC			
081226-GCK	13	GCK	SA	226144	47	2614447A	849	T-405	SCHMIDT	200	SW		KTO3DHC			
081226-GCK	14	GCK	SA	226144	48	2614448A	506	T-406	SCHMIDT	200	SW		KTO3DHC			
081226-GCK	15	GCK	SA	226144	49	2614449A	823	T-407	SCHMIDT	200	SW		KTO3DHC	RAN OVER 26		

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 49

Client: C.E. Schmidt
Client ID: T-407
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 823
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:07
Received: 7/24/2026 Time: 16:10

Date:
Initial : 652
Final: 652
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions
EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 48

Client: C.E. Schmidt
Client ID: T-406
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 506
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:02
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	673			
Final:	673			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 47

Client: C.E. Schmidt
Client ID: T-405
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 849
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 46

Client: C.E. Schmidt
Client ID: T-404
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 618
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	676		
Final:	676		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 45

Client: C.E. Schmidt
Client ID: T-403
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 699
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	666		
Final:	666		
Factor:	1.00		

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 44

Client: C.E. Schmidt
Client ID: T-402
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 740
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:00
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	681		
Final:	681		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions
EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 43

Client: C.E. Schmidt
Client ID: T-401
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 643
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 8:59
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	675		
Final:	675		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 41

Client: C.E. Schmidt
Client ID: T-313
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 766
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:26
Received: 7/24/2026 Time: 16:10

Date:
Initial : 672
Final: 672
Factor: 1.00

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 40

Client: C.E. Schmidt
Client ID: T-312
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 730
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:23
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	676		
Final:	676		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 081326 - GCM

ANALYST REPORT

Method GCI SHORT Chemist DA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 50-55, 57, 58

Processed

Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 081326-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
081326-GCK	01	GCK	STD			C08136A		ST62344		1	KL		GC1SHO			
081326-GCK	02	GCK	SPK			QC08136A		ST63479		1	KL		GC1SHO			
081326-GCK	03	GCK	SPK			QC08136B		ST63479		1	KL		GC1SHO			
081326-GCK	04	GCK	SPK			QC08136C		ST63479		1	KL		GC1SHO			
081326-GCK	05	GCK	BLK			B08136A		HUMID BLANK		200	KL		GC1SHO			
081326-GCK	06	GCK	BLK			B08136B		METHOD BLANK		200	KL		KTO3DHC			
081326-GCK	07	GCK	SA	226144	50	2614450A	789	T-408	SCHMIDT	200	KL		KTO3DHC			
081326-GCK	08	GCK	SA	226144	51	2614451A	732	T-409	SCHMIDT	200	KL		KTO3DHC			
081326-GCK	09	GCK	SA	226144	52	2614452A	709	T-410	SCHMIDT	200	KL		KTO3DHC			
081326-GCK	10	GCK	SA	226144	53	2614453A	750	T-411	SCHMIDT	200	KL		KTO3DHC			
081326-GCK	11	GCK	SA	226144	54	2614454A	503	T-412	SCHMIDT	200	SW		KTO3DHC			
081326-GCK	12	GCK	SA	226144	55	2614455A	695	T-413	SCHMIDT	200	SW		KTO3DHC			
081326-GCK	13	GCK	SA	226144	57	2614457A	895	T-501	SCHMIDT	200	SW		KTO3DHC	RAN OVER 55		
081326-GCK	14	GCK	SA	226144	58	2614458A	728	T-502	SCHMIDT	200	SW		KTO3DHC			

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 58

Client: C.E. Schmidt
Client ID: T-502
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 728
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	668			
Final:	668			
Factor:	1.00			

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 57

Client: C.E. Schmidt
Client ID: T-501
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 895
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY	Analytical Test:		Sample Location:
InstrumentMethod:	Item Description:		Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 54

Client: C.E. Schmidt
Client ID: T-412
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 503
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	650		
Final:	650		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 53

Client: C.E. Schmidt
Client ID: T-411
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Can Number: 750
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	666			
Final:	666			
Factor:	1.00			

LABORATORY | **Analytical Test:** | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions | Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 52

Client: C.E. Schmidt
Client ID: T-410
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 709
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:09
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	646		
Final:	646		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 51

Client: C.E. Schmidt
Client ID: T-409
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 732
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:10
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 50

Client: C.E. Schmidt
Client ID: T-408
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 789
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:11
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	636		
Final:	636		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 081926 - GCH

ANALYST REPORT

Method GC/SHORT Chemist NA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 62-67

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 081926-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
081926-GCK	01	GCK	STD			C08196A		ST62344		1	KL		GC1SHO			
081926-GCK	02	GCK	SPK			QC08196A		ST63479		1	KL		GC1SHO			
081926-GCK	03	GCK	SPK			QC08196B		ST63479		1	KL		GC1SHO			
081926-GCK	04	GCK	SPK			QC08196C		ST63479		1	KL		GC1SHO			
081926-GCK	05	GCK	BLK			B08196A		HUMID BLANK		200	KL		GC1SHO			
081926-GCK	06	GCK	BLK			B08196B		METHOD BLANK		200	KL		KTO3DHC			
081926-GCK	07	GCK	SA	226144	62	2614462A	760	T-506	SCHMIDT	200	KL		KTO3DHC			
081926-GCK	08	GCK	SA	226144	63	2614463A	969	T-507	SCHMIDT	200	KL		KTO3DHC			
081926-GCK	09	GCK	SA	226144	64	2614464A	768	T-508	SCHMIDT	200	KL		KTO3DHC			
081926-GCK	10	GCK	SA	226144	65	2614465A	837	T-509	SCHMIDT	200	SW		KTO3DHC			
081926-GCK	11	GCK	SA	226144	66	2614466A	647	T-510	SCHMIDT	200	SW		KTO3DHC			
081926-GCK	12	GCK	SA	226144	67	2614467A	786	T-511	SCHMIDT	200	SW		KTO3DHC			

REVIEWED

23 of 97

003838 of 006978

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 67

Client: C.E. Schmidt
Client ID: T-511
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 786
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:40
Received: 7/24/2026 Time: 16:10

Date:
Initial : 665
Final: 665
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 66

Client: C.E. Schmidt
Client ID: T-510
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	642		
Final:	642		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 65

Client: C.E. Schmidt
Client ID: T-509
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 837
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:47
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only

EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 64

Client: C.E. Schmidt
Client ID: T-508
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/24/2026 Time: 10:33
Received: 7/24/2026 Time: 16:10

Can Number: 768
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Initial : 656
Final: 656
Factor: 1.00

Date:

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 63

Client: C.E. Schmidt
Client ID: T-507
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/24/2026 Time: 10:37
Received: 7/24/2026 Time: 16:10

Can Number: 696
FC Number: 0
TAT Working:
Sampling Time:
Flow:

	Date:		
Initial :	633		
Final:	633		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK	TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 62

Client: C.E. Schmidt
Client ID: T-506
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 760
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:31
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	660			
Final:	660			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 082026 - GCM

ANALYST REPORT

Method GCMSHORT Chemist BA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative: _____

_____
Analyst Certification

Out of Limits QC Approval _____

DATA PROCESSING

SDG 276144

Lab ID 56, 68-69

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

_____
Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

_____
Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 082026-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
082026-GCK	01	GCK	STD			C08206A		ST62344		1	KL		GC1SHO			
082026-GCK	02	GCK	SPK			QC08206A		ST63479		1	KL		GC1SHO			
082026-GCK	03	GCK	SPK			QC08206B		ST63479		1	KL		GC1SHO			
082026-GCK	04	GCK	SPK			QC08206C		ST63479		1	KL		GC1SHO			
082026-GCK	05	GCK	BLK			B08206A		HUMID BLANK		200	KL		GC1SHO			
082026-GCK	06	GCK	BLK			B08206B		METHOD BLANK		200	KL		KTO3DHC			
082026-GCK	07	GCK	SA	226144	68	2614468A	877	T-512	SCHMIDT	200	KL		KTO3DHC			
082026-GCK	08	GCK	SA	226144	69	2614469A	892	T-513	SCHMIDT	200	KL		KTO3DHC			
082026-GCK	09	GCK	SA	226144	56	2614456A	738	T-414	SCHMIDT	200	KL		KTO3DHC			
082026-GCK	10	GCK	SA	226144	70	2614470A	775	T-514	SCHMIDT	200	KL		KTO3DHC			

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 70

Client: C.E. Schmidt
Client ID: T-514
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 775
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	714			
Final:	714			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 69

Client: C.E. Schmidt
Client ID: T-513
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 892
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:48
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	668			
Final:	668			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 68

Client: C.E. Schmidt
Client ID: T-512
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 877
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

Date:
Initial : 654
Final: 654
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 56

Client: C.E. Schmidt
Client ID: T-414
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 738
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	688		
Final:	688		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 082526 - GCK

ANALYST REPORT

Method GCSHORT Chemist BA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 1,2,15

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 082526-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
082526-GCK	01	GCK	STD			C08256A		ST62344		1	KL		GC1SHO			
082526-GCK	02	GCK	SPK			QC08256A		ST63479		1	KL		GC1SHO			
082526-GCK	03	GCK	SPK			QC08256B		ST63479		1	KL		GC1SHO			
082526-GCK	04	GCK	SPK			QC08256C		ST63479		1	KL		GC1SHO			
082526-GCK	05	GCK	BLK			B08256A		HUMID BLANK		200	SW		GC1SHO			
082526-GCK	06	GCK	BLK			B08256B		METHOD BLANK		200	SW		GC1SHO			
082526-GCK	07	GCK	SA	226144	01	2614401A	758	T-101	SCHMIDT	200	SW		KTO3DHC			
082526-GCK	08	GCK	SA	226144	02	2614402A	737	T-102	SCHMIDT	200	SW		KTO3DHC	RAN OVER 26		
082526-GCK	09	GCK	SA	226144	15	2614415A	653	T-201	SCHMIDT	200	SW		KTO3DHC			

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 15

Client: C.E. Schmidt
Client ID: T-201
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/21/2026 Time: 9:16
Received: 7/24/2026 Time: 16:10

Can Number: 653
FC Number: 0
TAT Working:
Sampling Time:
Flow:

	Date:			
Initial :	687			
Final:	687			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 2

Client: C.E. Schmidt
Client ID: T-102
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 737
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:05
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	687			
Final:	687			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 1

Client: C.E. Schmidt
Client ID: T-101
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

Can Number: 758
FC Number: 0
TAT Working:
Sampling Time:
Flow:

	Date:			
Initial :	683			
Final:	683			
Factor:	1.00			

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only

EDD Instructions | EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 082626 - GCV

ANALYST REPORT

Method GCVSHORT Chemist JM

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

JM
Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 20,24,28,30

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

JM
Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

☐ Reviewed

Data Review Chemist Certification

Daily Analytical Batch

DAB: 082626-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
082626-GCK	01	GCK	STD			C08266A		ST62344		1	KL		GC1SHO			
082626-GCK	02	GCK	SPK			QC08266A		ST63479		1	KL		GC1SHO			
082626-GCK	03	GCK	SPK			QC08266B		ST63479		1	KL		GC1SHO			
082626-GCK	04	GCK	SPK			QC08266C		ST63479		1	KL		GC1SHO			
082626-GCK	05	GCK	BLK			B08266A		HUMID BLANK		200	KL		GC1SHO			
082626-GCK	06	GCK	BLK			B08266B		METHOD BLANK		200	KL		KTO3DHC			
082626-GCK	07	GCK	SA	226144	20	2614420A	809	T-206	SCHMIDT	200	KL		KTO3DHC			
082626-GCK	08	GCK	SA	226144	24	2614424A	679	T-210	SCHMIDT	200	KL		KTO3DHC			
082626-GCK	09	GCK	SA	226144	28	2614428A	692	T-214	SCHMIDT	200	KL		KTO3DHC			
082626-GCK	10	GCK	SA	226144	30	2614430A	897	T-302	SCHMIDT	200	KL		KTO3DHC			

3 of 3 8/26/2

REVIEWED

003857 of 006978

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 30

Client: C.E. Schmidt
Client ID: T-302
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 897
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:28
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	669		
Final:	669		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 28

Client: C.E. Schmidt
Client ID: T-214
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 692
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:38
Received: 7/24/2026 Time: 16:10

Date:
Initial : 715
Final: 715
Factor: 1.00

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 24

Client: C.E. Schmidt
Client ID: T-210
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Can Number: 679
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Sampled: 7/21/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	678		
Final:	678		
Factor:	1.00		

LABORATORY

Analytical Test:
Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK	TO-12 EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 20

Client: C.E. Schmidt
Client ID: T-206
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 809
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:51
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	661		
Final:	661		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB C82726 - GCK

ANALYST REPORT

Method GCSHORT Chemist MT

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID 31, 58, 59, 60, 61

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 082726-GCK

GCK

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
082726-GCK	01	GCK	STD			C08276A		ST62344		1	KL		GC1SHO			
082726-GCK	02	GCK	STD			C08276B		ST62344		1	KL		GC1SHO			
082726-GCK	03	GCK	SPK			QC08276A		ST63479		1	KL		GC1SHO			
082726-GCK	04	GCK	SPK			QC08276B		ST63479		1	KL		GC1SHO			
082726-GCK	05	GCK	SPK			QC08276C		ST63479		1	KL		GC1SHO			
082726-GCK	06	GCK	BLK			B08276A		HUMID BLANK		200	KL		GC1SHO			
082726-GCK	07	GCK	BLK			B08276B		METHOD BLANK		200	KL		KTO3DHC			
082726-GCK	08	GCK	SA	226144	31	2614431A	754	T-303	SCHMIDT	200	KL		KTO3DHC			
082726-GCK	09	GCK	SA	226144	38	2614438A	654	T-310	SCHMIDT	200	KL		KTO3DHC			
082726-GCK	10	GCK	SA	226144	59	2614459A	858	T-503	SCHMIDT	200	KL		KTO3DHC			
082726-GCK	11	GCK	SA	226144	60	2614460A	556	T-504	SCHMIDT	200	KL		KTO3DHC			
082726-GCK	12	GCK	SA	226144	61	2614461A	627	T-505	SCHMIDT	200	DA		KTO3DHC			

3880 082726

REVIEWED

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 61

Client: C.E. Schmidt
Client ID: T-505
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 627
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:36
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 60

Client: C.E. Schmidt
Client ID: T-504
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 556
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:21
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 59

Client: C.E. Schmidt
Client ID: T-503
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 858
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:29
Received: 7/24/2026 Time: 16:10

Date:
Initial : 664
Final: 664
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 31

Client: C.E. Schmidt
Client ID: T-303
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 754
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

Date:
Initial : 689
Final: 689
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

DAILY ANALYTICAL BATCH FORM

DAB 083126 - GCK

ANALYST REPORT

Method GCISHORT Chemist RM

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 276144

Lab ID 12,27,54 Run @ 100

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☑ Reviewed

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 54

Client: C.E. Schmidt
Client ID: T-412
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 503
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	650		
Final:	650		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 27

Client: C.E. Schmidt
Client ID: T-213
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 655
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:19
Received: 7/24/2026 Time: 16:10

Date:
Initial : 664
Final: 664
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions
EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 12

Client: C.E. Schmidt
Client ID: T-112
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 663
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:17
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	662		
Final:	662		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCK TO-12	EPA TO-12 C2 to C12 CRYO	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Sample Data Packages

SDG Number 226144

Lab Id Number 1

Client ID T-101

Analytical Method TO-12

Index

Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Canister: 758
QC_Batch: 082526-GCK

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 08/25/2026 **Time:** 17:15
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	34.35	2.47	7.40	42.37	
115-07-1	Propene	1.33	4.00	2.58	2.30	6.90	4.46	J
74-98-6	Propane	1.33	4.00	3.69	2.41	7.23	6.66	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	15.77	26.50	79.49	55.70	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	94.61	29.51	88.52	62.04	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **01**
File Name: **2614401A** **B**
Sample ID: **T-101**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/25/2026**
QCBatch: **082526-GCK**
Can: **758**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:03** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **17:15** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **326537**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

REPORT QUANT CALC SAMCA

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.14	**4.11**	1936	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.18			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.25**	53892	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.17**	6083	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.27**	8678	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.67**						133	351
106-98-9	1-Butene	P	7.29	7.36	**7.23**	0	I	O	M	362	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.42**	1716	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.83						192	410
590-18-1	c-2-Butene	P	9.63	9.71						192	431
78-78-4	i-Pentane	P	11.37	11.37						192	473
109-67-1	1-Pentene	P	12.30	12.30	**12.26**	1910	I	I	H	495	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**74215**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					74215		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					74215		0			

LC

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082526-GCK		
Hexane Std Area:	326537		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.47	1.23	1.42	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	68.70	34.35	42.37	68.70	34.35	42.37	42.37
Propene	42.1	3	7.75	2.58	4.46	7.75	2.58	4.46	4.46
Propane	44.1	3	11.06	3.69	6.66	11.06	3.69	6.66	6.66
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	2.19	0.55	1.30	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	2.43	0.49	1.40	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

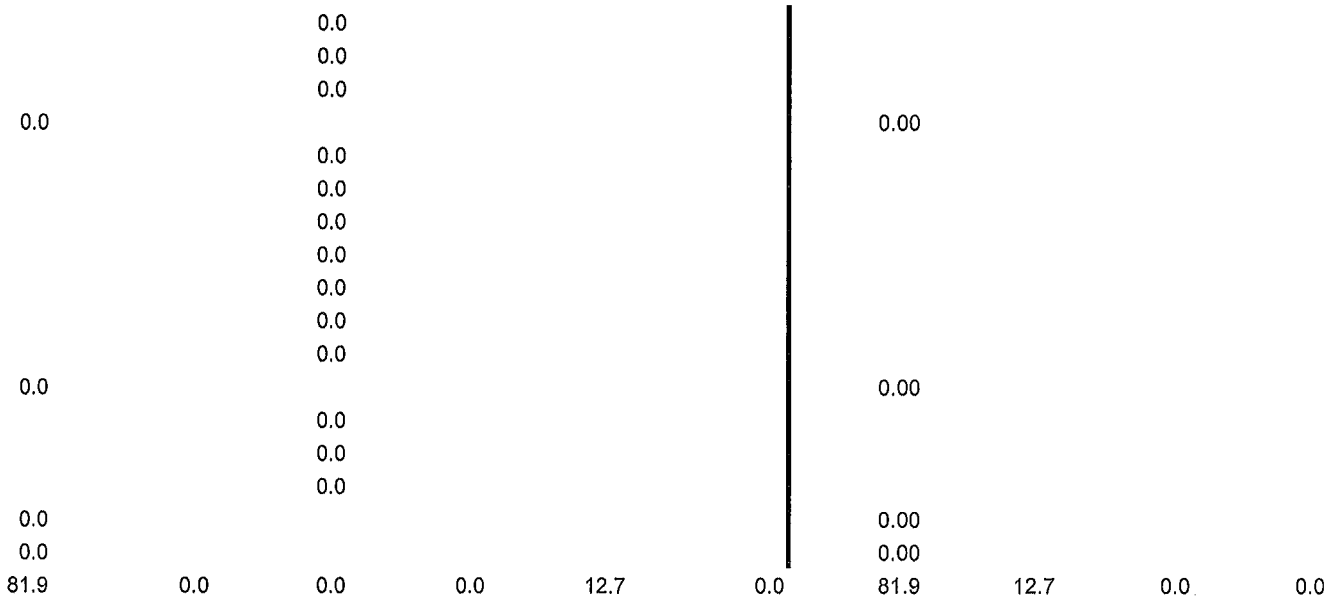
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	94.61	15.8	55.7	94.61	15.77	55.70	55.70
Total Non-Methane Hydrocarbons-C1	16	1.0	94.61	94.6	62.0	94.61	94.61	62.04	62.04

SDG: **226144**
Laboratory Number: **01**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
42.37	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
4.46	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
6.66	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
55.70	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
62.04	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.5		2.47		
					0.0			0.00	
68.7						68.70			
					7.8		7.75		
11.1						11.06			
	0.0					0.00			
					0.0		0.00		
2.2						2.19			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					2.4		2.43		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
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81.9
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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0.00

0.00

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		01	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum |(Astdni) / (Cstdni)| i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = Cn

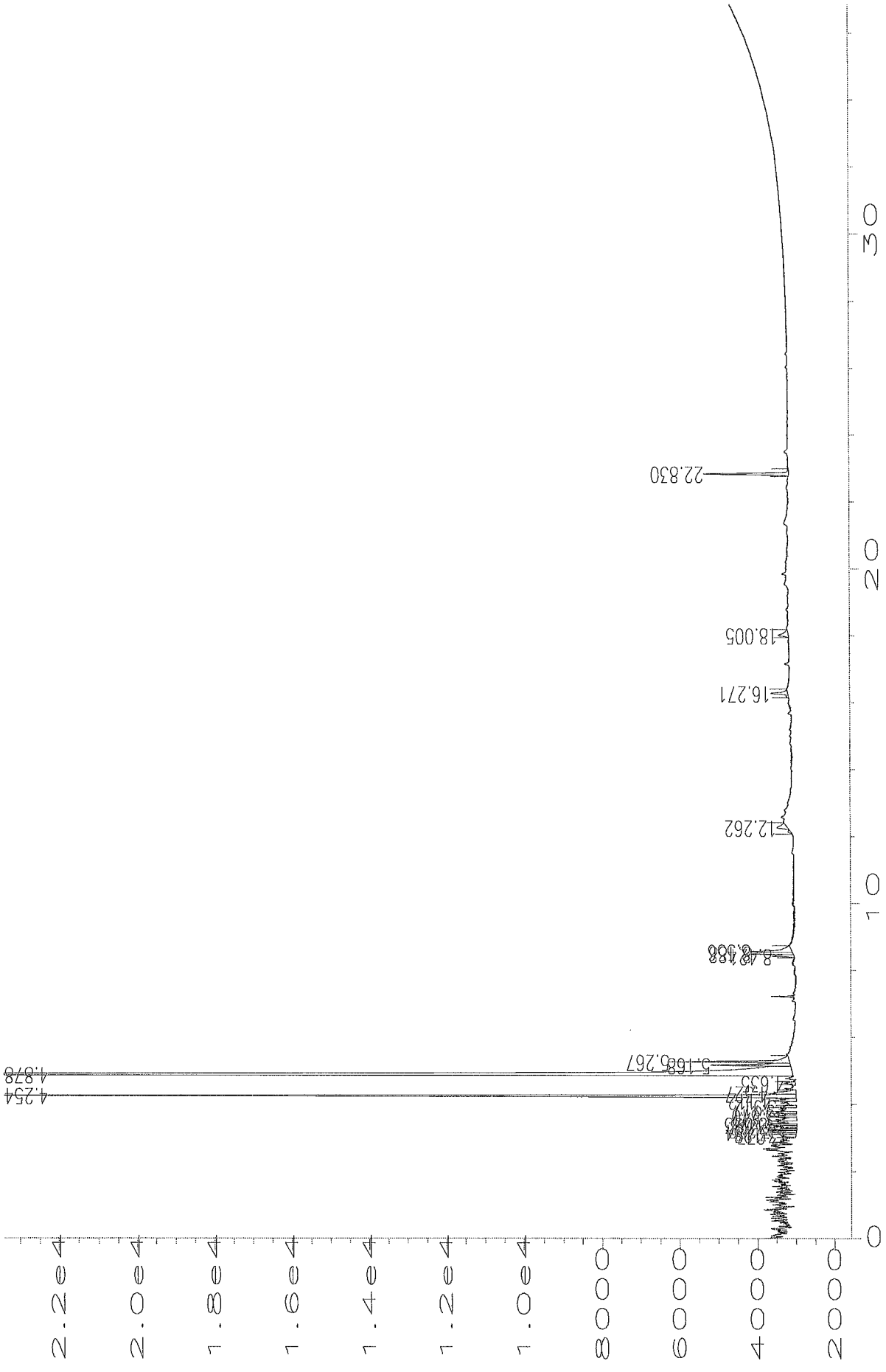
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.81E+04	1936	2.5	1.23	1.42
Acetylene	2	TRG	26.0	1.81E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.81E+04	53892	68.7	34.35	42.37
Propene	3	TRG	42.1	1.81E+04	6083	7.8	2.58	4.46
Propane	3	TRG	44.1	1.81E+04	8678	11.1	3.69	6.66
i-Butane	4	TRG	58.1	1.81E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.81E+04	1716	2.2	0.55	1.30
t-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.81E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.81E+04	1910	2.4	0.49	1.40
n-Pentane	5	TRG	72.1	1.81E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.81E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.81E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.81E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.81E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.81E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.81E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.81E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.81E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.81E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.81E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.81E+04	74215	94.6	15.77	55.70
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.81E+04	74215	94.6	94.61	62.04

C:\HPCHEM\1\DATA\08256K\26144401A.D



Sample Data Packages

SDG Number 226144

Lab Id Number 2

Client ID T-102

Analytical Method TO-12

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 02

File Name: 2614402A
Description: T-102
Canister: 737
QC_Batch: 082526-GCK

Date Sampled: 07/20/26 **Time:** 10:05
Date Analyzed: 08/25/2026 **Time:** 17:59
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	17.20	2.47	7.40	21.22	
115-07-1	Propene	1.33	4.00	2.44	2.30	6.90	4.20	J
74-98-6	Propane	1.33	4.00	2.72	2.41	7.23	4.92	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	8.62	26.50	79.49	30.47	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	51.75	29.51	88.52	33.93	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 02
File Name: 2614402A B
Sample ID: T-102
Sampled: 7/20/2026
Received: 07/24/26
Analyzed: 08/25/2026
QCBatch: 082526-GCK
Can: 737
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 10:05 Matrix AA
Time: 16:10 Chem TRG
Time: 17:59 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 326537
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.15	**4.11**		NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.19			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	4.26	26987	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.18**	5732	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	5.28	6406	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.68**						133	351
106-98-9	1-Butene	P	7.29	7.37	**7.23**	0	I	O	M	362	367
106-97-8	n-Butane	P	8.34	**8.34**	8.44	1469	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.85						191	410
590-18-1	c-2-Butene	P	9.63	9.73						191	431
78-78-4	i-Pentane	P	11.37	11.37						191	473
109-67-1	1-Pentene	P	12.30	12.30	**12.26**	0	I	I	H	495	495
109-66-0	n-Pentane	P	12.48	**12.48**	12.48		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	16.17		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	17.89	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	21.12		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	22.27		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:	40594	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	40594	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	40594	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082526-GCK		
Hexane Std Area:	326537		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	34.40	17.20	21.22	34.40	17.20	21.22	21.22
Propene	42.1	3	7.31	2.44	4.20	7.31	2.44	4.20	4.20
Propane	44.1	3	8.17	2.72	4.92	8.17	2.72	4.92	4.92
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	1.87	0.47	1.11	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

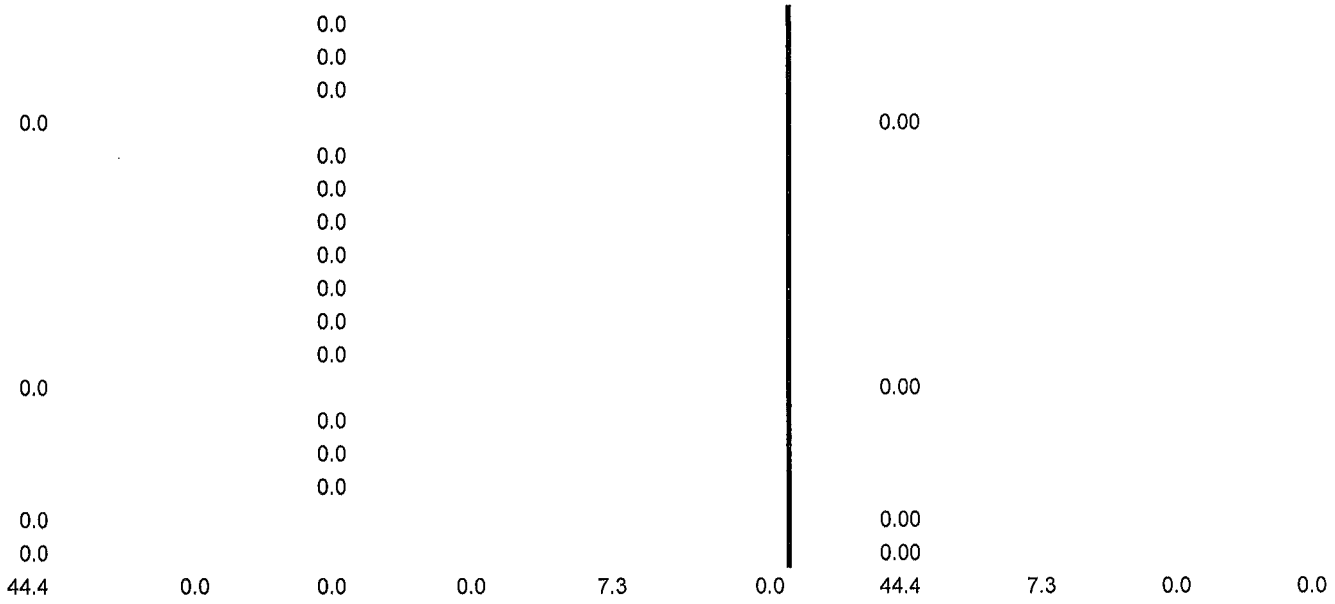
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	51.75	8.6	30.5	51.75	8.62	30.47	30.47
Total Non-Methane Hydrocarbons-C1	16	1.0	51.75	51.7	33.9	51.75	51.75	33.93	33.93

SDG: **226144**
Laboratory Number: **02**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
21.22	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
4.20	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
4.92	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
30.47	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
33.93	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
34.4						34.40			
					7.3		7.31		
8.2						8.17			
	0.0					0.00			
					0.0		0.00		
1.9						1.87			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						0.00
	0.0					0.00			
	0.0					0.00			
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0.0						0.00			
					0.0				0.00
	0.0					0.00			
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44.4
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7.3
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44.4
7.3
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

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0.00

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		02	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

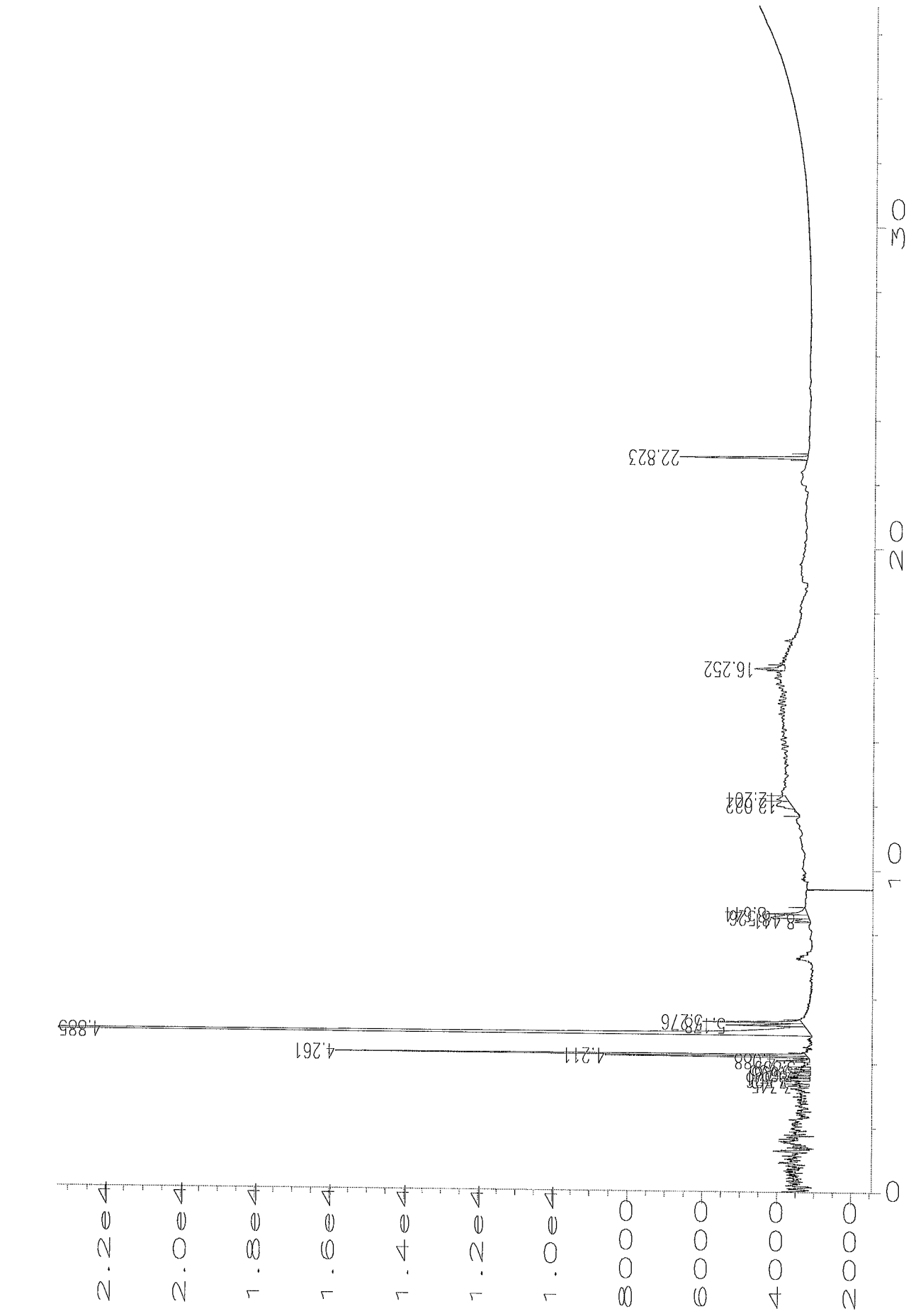
2) ppbC = $\frac{6\ \text{Carbons}}{(\text{Avg RFn})} \times \frac{\text{Ansamp}}{\text{SV}} \times \text{CDF} \times 1000 = \text{Cn}$

3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)}\ \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.81E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.81E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.81E+04	26987	34.4	17.20	21.22
Propene	3	TRG	42.1	1.81E+04	5732	7.3	2.44	4.20
Propane	3	TRG	44.1	1.81E+04	6406	8.2	2.72	4.92
i-Butane	4	TRG	58.1	1.81E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.81E+04	1469	1.9	0.47	1.11
t-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.81E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.81E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.81E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.81E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.81E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.81E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.81E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.81E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.81E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.81E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.81E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.81E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.81E+04	40594	51.7	8.62	30.47
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.81E+04	40594	51.7	51.75	33.93


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4.885
4.809
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22.823
16.252
12.084
12.002
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8.324
5.188
5.176
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10
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2.000
4.000
6.000
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14.000
16.000
18.000
20.000
22.000

Sample Data Packages

SDG Number **226144**

Lab Id Number **3**

Client ID T-103

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Canister: 548
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 08/03/2026 **Time:** 16:55
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.73	2.47	7.40	31.74	
115-07-1	Propene	1.33	4.00	1.36	2.30	6.90	2.34	J
74-98-6	Propane	1.33	4.00	8.06	2.41	7.23	14.57	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	4.82	2.38	7.14	11.49	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.70	2.36	7.07	2.47	J
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.85	2.35	7.04	3.50	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.48	2.18	6.53	6.44	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.91	2.18	6.53	3.98	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.71	2.19	6.57	3.50	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.54	2.19	6.57	2.66	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	23.80	26.50	79.49	84.08	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	142.81	29.51	88.52	93.64	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **03**
File Name: **2614403A** B
Sample ID: **T-103**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/03/2026**
QCBatch: **080326-GCK**
Can: **548**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:03** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **16:55** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **357150**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.07	**4.05**	1666	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.11			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	4.18	40366	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**	3191	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	5.23	18968	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.63**						132	351
106-98-9	1-Butene	P	7.29	7.32	**7.34**	0	I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	8.34	15137	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						196	410
590-18-1	c-2-Butene	P	9.63	9.63						196	431
78-78-4	i-Pentane	P	11.37	11.31						196	473
109-67-1	1-Pentene	P	12.30	12.24						196	495
109-66-0	n-Pentane	P	12.48	**12.42**	12.42	0	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.73						169	510
627-20-3	c-2-Pentene	P	13.08	13.02						169	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.71						169	537
287-92-3	Cyclopentane	P	14.88	14.82						169	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.00						169	570
107-83-5	2-Methylpentane	P	15.08	15.02						169	571
96-14-0	3-Methylpentane	P	15.55	15.49	**15.46**	3294	I	I	H	581	583
110-54-3	n-Hexane	P	16.17	**16.11**	16.17	876	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	17.89	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40	**18.34**	4680	I	O	M	667	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	19.41		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	21.12		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	22.27		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95	**23.90**	9283	I	I	H	863	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57	**24.48**	5735	I	I	H	885	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36	**25.31**		I	I	H	918	919
103-65-1	n-propylbenzene	P	25.93	25.93	**25.89**		I	O	M	941	947
620-14-4	3-Ethyltoluene	P	26.17	26.17	**26.09**		I	O	M	949	957
622-96-8	4-Ethyltoluene	P	26.26	26.26	**26.29**	5012	I	I	H	957	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45	**26.45**		I	I	H	964	964
611-14-3	2-Ethyltoluene	P	26.61	26.61	**26.63**		I	O	M	971	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08	**27.12**	3817	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.26	**27.34**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-56	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10	**28.15**		I	I	H	1031	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23	**28.30**		I	I	H	1037	1037
1120-21-4	Undecane	P	29.86	29.86	**29.93**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.46	**32.46**		I	I	H	1200	1200

Abbreviation	**Total Petroleum Hydrocarbons:**	**112025**	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	112025	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	112025	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080326-GCK		
Hexane Std Area:	357150		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.12	1.06	1.22	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	51.46	25.73	31.74	51.46	25.73	31.74	31.74
Propene	42.1	3	4.07	1.36	2.34	4.07	1.36	2.34	2.34
Propane	44.1	3	24.18	8.06	14.57	24.18	8.06	14.57	14.57
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	19.30	4.82	11.49	19.30	4.82	11.49	11.49
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	4.20	0.70	2.47	4.20	0.70	2.47	2.47
n-Hexane	86.2	6	1.12	**0.19**	0.66	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	5.97	0.85	3.50	5.97	0.85	3.50	3.50
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	11.83	1.48	6.44	11.83	1.48	6.44	6.44
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	7.31	0.91	3.98	7.31	0.91	3.98	3.98
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	6.39	0.71	3.50	6.39	0.71	3.50	3.50
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	4.87	0.54	2.66	4.87	0.54	2.66	2.66
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	142.81	23.8	84.1	142.81	23.80	84.08	84.08
Total Non-Methane Hydrocarbons-C1	16	1.0	142.81	142.8	93.6	142.81	142.81	93.64	93.64

SDG: **226144**
Laboratory Number: **03**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
31.74	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
2.34	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
14.57	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
11.49	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
2.47	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
3.50	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

6.44	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
3.98	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.50	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
2.66	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
84.08	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
93.64	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.1		2.12		
					0.0			0.00	
51.5						51.46			
					4.1		4.07		
24.2						24.18			
		0.0				0.00			
					0.0		0.00		
19.3						19.30			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		4.2				4.20			
1.1						1.12			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		6.0				5.97			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						

		11.8							
		0.0							
		7.3							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		6.4							
		0.0							
		0.0							
		4.9							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
96.0	10.2	30.4	0.0	6.2	0.0	106.2	6.2	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

11.83
0.00
7.31

0.00
0.00
0.00
6.39
0.00
0.00
4.87

0.00
0.00
0.00

0.0	0.0	0.0	0.0	30.4	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		03	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum | (Astdni) / (Cstdni) | i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = Cn

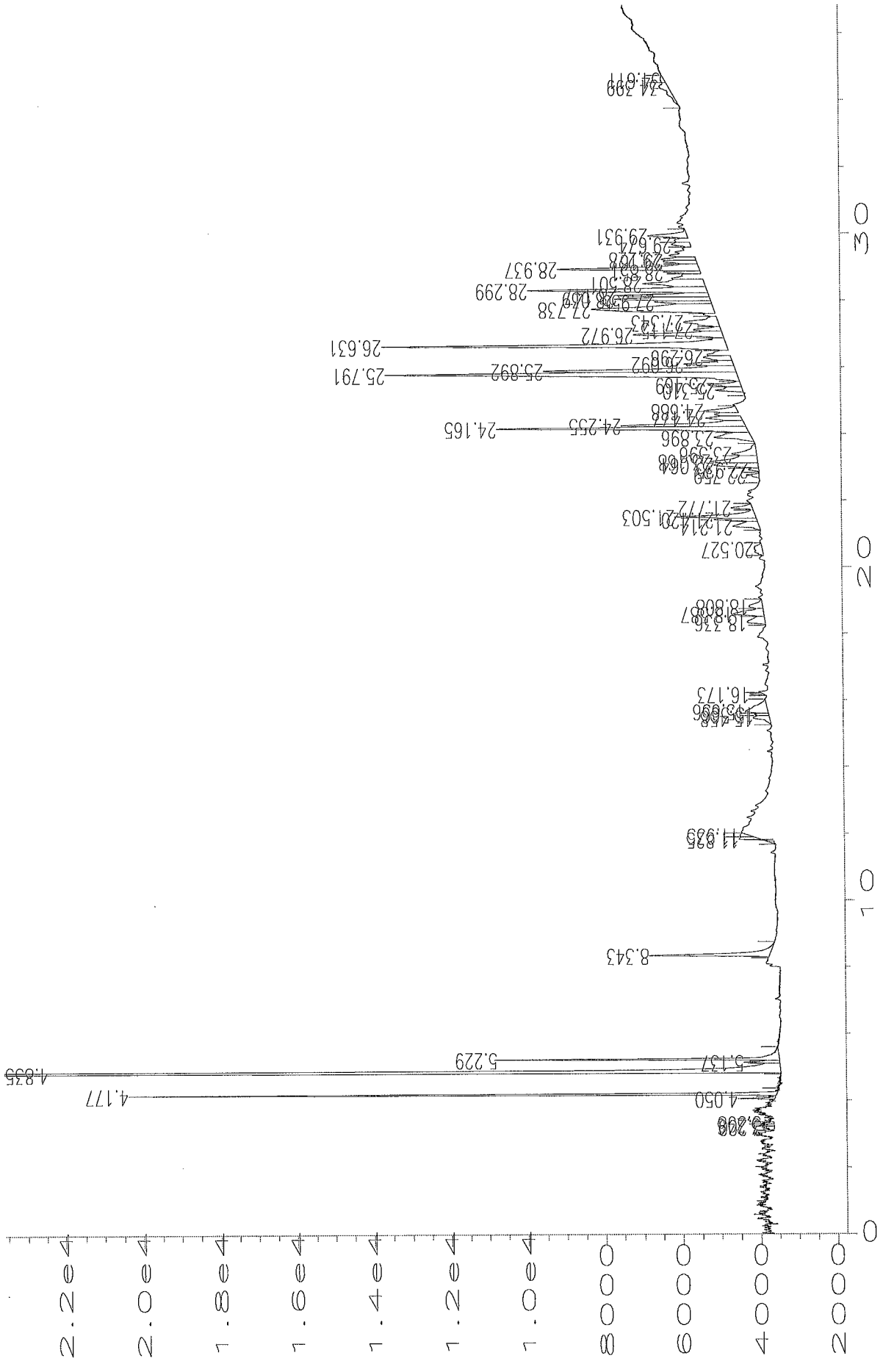
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.98E+04	1666	2.1	1.06	1.22
Acetylene	2	TRG	26.0	1.98E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.98E+04	40366	51.5	25.73	31.74
Propene	3	TRG	42.1	1.98E+04	3191	4.1	1.36	2.34
Propane	3	TRG	44.1	1.98E+04	18968	24.2	8.06	14.57
i-Butane	4	TRG	58.1	1.98E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.98E+04	15137	19.3	4.82	11.49
t-2-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.98E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.98E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.98E+04	3294	4.2	0.70	2.47
n-Hexane	6	TRG	86.2	1.98E+04	876	1.1	0.19	0.66
Methylcyclopentane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.98E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.98E+04	4680	6.0	0.85	3.50
2,3-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.98E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.98E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.98E+04	9283	11.8	1.48	6.44
Styrene	8	TRG	104.2	1.98E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.98E+04	5735	7.3	0.91	3.98
n-Nonane	9	TRG	128.3	1.98E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.98E+04	5012	6.4	0.71	3.50
1,3,5-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.98E+04	3817	4.9	0.54	2.66
n-Decane	10	TRG	142.3	1.98E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.98E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.98E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.98E+04	112025	142.8	23.80	84.08
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.98E+04	112025	142.8	142.81	93.64

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Sample Data Packages

SDG Number 226144

Lab Id Number 4

Client ID T-104

Analytical Method TO-12

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Analytical Report
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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 04

File Name: 2614404B
Description: T-104
Canister: 990
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 08/03/2026 **Time:** 20:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	5.32	2.30	6.91	6.12	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.80	2.47	7.40	26.89	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	5.84	2.41	7.23	10.55	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.03	2.30	6.90	2.37	J
590-18-1	c-2-Butene	1.00	3.00	1.91	2.30	6.90	4.39	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	15.54	2.30	6.90	53.62	
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	4.98	2.30	6.90	17.19	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	10.18	2.34	7.02	47.67	
142-82-5	n-Heptane	0.57	1.71	4.29	2.35	7.04	17.61	
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	2.61	2.16	6.47	9.84	
592-27-8	2-Methylheptane	0.50	1.50	0.58	2.34	7.02	2.73	J
589-81-1	3-Methylheptane	0.50	1.50	0.68	2.34	7.02	3.20	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.73	2.18	6.53	3.17	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.83	2.19	6.57	4.08	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	63.43	26.50	79.49	224.07	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	380.56	29.51	88.52	249.55	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 04
File Name: 2614404B
Sample ID: T-104
Sampled: 7/20/2026
Received: 07/24/26
Analyzed: 08/03/2026
QCBatch: 080326-GCK
Can: 990
Can Factor: 1.00
Volume: 200.0
Type: SA

B

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 9:58 Matrix AA
Time: 16:10 Chem TRG
Time: 20:26 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 357150
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.08	**4.06**	8344	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.12			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.19**	34198	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**		I	I	H	287	290
74-98-6	Propane	P	5.20	**5.20**	**5.28**	13741	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.68**						126	351
106-98-9	1-Butene	P	7.29	7.37	**7.34**		I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.31**	1068	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.72	**8.77**	3234	I	I	H	411	410
590-18-1	c-2-Butene	P	9.63	9.60	**9.55**	5986	I	I	H	430	431
78-78-4	i-Pentane	P	11.37	11.31						198	473
109-67-1	1-Pentene	P	12.30	12.24						198	495
109-66-0	n-Pentane	P	12.48	**12.42**	**12.42**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.73	**12.67**	834	I	O	M	507	510
627-20-3	c-2-Pentene	P	13.08	13.02						169	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.71	**13.74**	2590	I	I	H	535	537
287-92-3	Cyclopentane	P	14.88	14.82						169	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.00						169	570
107-83-5	2-Methylpentane	P	15.08	15.02						169	571
96-14-0	3-Methylpentane	P	15.55	15.49	**15.46**		I	I	H	581	583
110-54-3	n-Hexane	P	16.17	**16.11**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86	**16.88**	73141	I	I	H	622	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						105	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**		I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16	**18.09**	23453	I	I	H	659	658
591-76-4	2-Methylhexane	P	18.38	18.40						105	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47	**18.43**	3008	I	I	H	669	671
589-34-4	3-Methylhexane	P	18.66	18.68						105	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.18**	63917	I	I	H	692	690
142-82-5	n-Heptane	P	19.41	19.43	**19.44**	23544	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11	**20.03**	2086	I	I	H	721	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95	**20.97**		I	I	H	754	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**	14313	I	I	H	759	758
592-27-8	2-Methylheptane	P	21.33	21.33	**21.31**	3663	I	I	H	766	768
589-81-1	3-Methylheptane	p	21.55	21.55	**21.52**	4289	I	I	H	774	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95	**23.95**		I	I	H	865	863
100-42-5	Styrene	P	24.40	24.40	**24.41**	2551	I	I	H	882	881
95-47-6	o-xylene	P	24.57	24.57	**24.52**	4567	I	I	H	886	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36	**25.31**		I	I	H	918	919
103-65-1	n-propylbenzene	P	25.93	25.93	**25.89**		I	O	M	942	947
620-14-4	3-Ethyltoluene	P	26.17	26.17	**26.12**		I	O	M	951	957
622-96-8	4-Ethyltoluene	P	26.26	26.26	**26.29**	5854	I	I	H	958	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45	**26.39**	2841	I	I	H	963	964
611-14-3	2-Ethyltoluene	P	26.61	26.61	**26.63**		I	I	H	972	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08	**27.12**		I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.26	**27.30**	1311	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-38	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10	**28.15**		I	I	H	1032	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23	**28.30**		I	I	H	1038	1037
1120-21-4	Undecane	P	29.86	29.80	**29.93**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	32.40	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**298533**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					298533		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					298533		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080326-GCK		
Hexane Std Area:	357150		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	10.64	5.32	6.12	10.64	5.32	6.12	6.12
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	43.59	21.80	26.89	43.59	21.80	26.89	26.89
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	17.52	5.84	10.55	17.52	5.84	10.55	10.55
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	1.36	0.34	0.81	ND	ND	ND	0
t-2-Butene	56.1	4	4.12	1.03	2.37	4.12	1.03	2.37	2.37
c-2-Butene	56.1	4	7.63	1.91	4.39	7.63	1.91	4.39	4.39
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	1.06	0.21	0.61	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	3.30	0.55	1.94	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	93.24	15.54	53.62	93.24	15.54	53.62	53.62
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	29.90	4.98	17.19	29.90	4.98	17.19	17.19
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	3.83	0.55	2.25	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	81.48	10.18	47.67	81.48	10.18	47.67	47.67
n-Heptane	100.2	7	30.01	4.29	17.61	30.01	4.29	17.61	17.61
Methylcyclohexane	98.2	7	2.66	0.38	1.53	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	18.25	2.61	9.84	18.25	2.61	9.84	9.84
2-Methylheptane	114.2	8	4.67	0.58	2.73	4.67	0.58	2.73	2.73
3-Methylheptane	114.2	8	5.47	0.68	3.20	5.47	0.68	3.20	3.20
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	3.25	0.41	1.74	ND	ND	ND	0
o-xylene	106.2	8	5.82	0.73	3.17	5.82	0.73	3.17	3.17
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	7.46	0.83	4.08	7.46	0.83	4.08	4.08
1,3,5-Trimethylbenzene	120.2	9	3.62	0.40	1.98	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	1.67	0.17	0.97	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	380.56	63.4	224.1	380.56	63.43	224.07	224.07
Total Non-Methane Hydrocarbons-C1	16	1.0	380.56	380.6	249.5	380.56	380.56	249.55	249.55

SDG: **226144**
Laboratory Number: **04**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
6.12	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	J	=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
26.89	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
10.55	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.37	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
4.39	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
53.62	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
17.19	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
47.67	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
17.61	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
9.84	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
2.73	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
3.20	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
3.17	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.08	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
224.07	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
249.55	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					10.6		10.64		
					0.0			0.00	
43.6						43.59			
					0.0		0.00		
17.5						17.52			
	0.0					0.00			
					0.0		0.00		
1.4						1.36			
					4.1		4.12		
					7.6		7.63		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					1.1		1.06		
					0.0		0.00		
	3.3					3.30			
			0.0						0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
			93.2						93.24
	0.0					0.00			
		0.0							
			29.9			29.90			
	0.0					0.00			
	3.8					3.83			
	0.0					0.00			
	81.5					81.48			
30.0						30.01			
			2.7						2.66
	0.0					0.00			
		18.2							
	4.7					4.67			
	5.5					5.47			
0.0						0.00			
		0.0							

0.0		0.0							
		3.3							
		5.8							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		7.5							
		3.6							
		0.0							
		0.0							
1.7						1.67			
		0.0							
		0.0							
		0.0							
0.0									
0.0						0.00			
94.2	98.8	38.4	125.8	23.5	0.0	0.00 222.8	23.5	0.0	95.9

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

18.25

0.00

0.00
3.25
5.82

0.00
0.00
0.00
7.46
3.62
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	38.4	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		04	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6\ Carbons \times Ansamp \times CDF \times 1000}{(Avg\ RFn) \times SV}$ = **Cn**

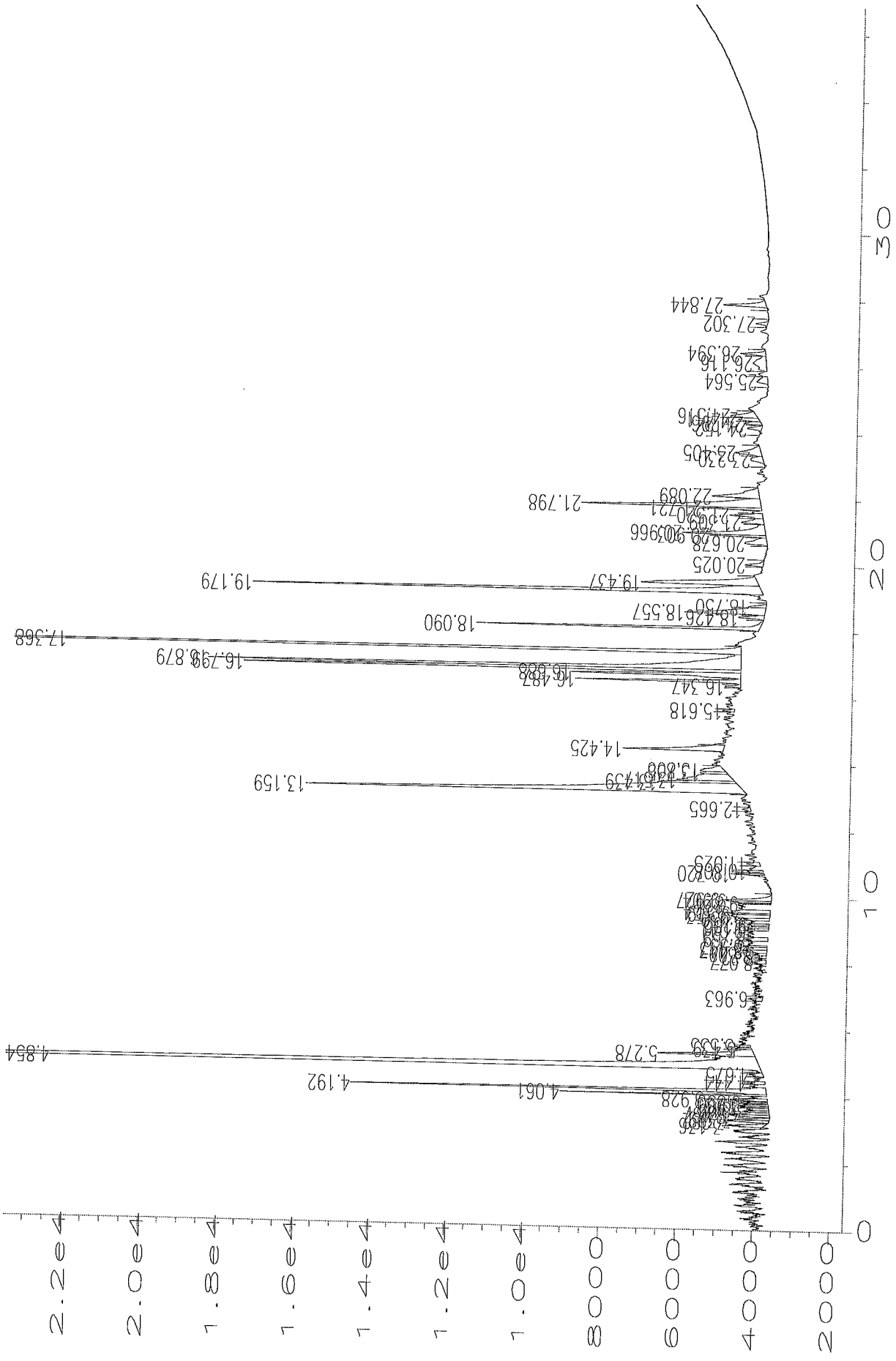
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv) \times MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.98E+04	8344	10.6	5.32	6.12
Acetylene	2	TRG	26.0	1.98E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.98E+04	34198	43.6	21.80	26.89
Propene	3	TRG	42.1	1.98E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.98E+04	13741	17.5	5.84	10.55
i-Butane	4	TRG	58.1	1.98E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.98E+04	1068	1.4	0.34	0.81
t-2-Butene	4	TRG	56.1	1.98E+04	3234	4.1	1.03	2.37
c-2-Butene	4	TRG	56.1	1.98E+04	5986	7.6	1.91	4.39
i-Pentane	5	TRG	72.2	1.98E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.98E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.98E+04	834	1.1	0.21	0.61
c-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.98E+04	2590	3.3	0.55	1.94
Cyclopentane	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.98E+04	73141	93.2	15.54	53.62
2,4-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.98E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.98E+04	23453	29.9	4.98	17.19
2-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.98E+04	3008	3.8	0.55	2.25
3-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.98E+04	63917	81.5	10.18	47.67
n-Heptane	7	TRG	100.2	1.98E+04	23544	30.0	4.29	17.61
Methylcyclohexane	7	TRG	98.2	1.98E+04	2086	2.7	0.38	1.53
2,3,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.98E+04	14313	18.2	2.61	9.84
2-Methylheptane	8	TRG	114.2	1.98E+04	3663	4.7	0.58	2.73
3-Methylheptane	8	TRG	114.2	1.98E+04	4289	5.5	0.68	3.20
n-Octane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.98E+04	2551	3.3	0.41	1.74
o-xylene	8	TRG	106.2	1.98E+04	4567	5.8	0.73	3.17
n-Nonane	9	TRG	128.3	1.98E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.98E+04	5854	7.5	0.83	4.08
1,3,5-Trimethylbenzene	9	TRG	120.2	1.98E+04	2841	3.6	0.40	1.98
2-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	10	TRG	142.3	1.98E+04	1311	1.7	0.17	0.97
n-Decane	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	11	TRG	156.3	1.98E+04	0	0.0	0.00	0.00
Undecane	12	TRG	170.3	1.98E+04	0	0.0	0.00	0.00
Dodecane								
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.98E+04	298533	380.6	63.43	224.07
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.98E+04	298533	380.6	380.56	249.55

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Sample Data Packages

SDG Number **226144**

Lab Id Number **5**

Client ID T-105

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Canister: 885
QC_Batch: 080326-GCK

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 08/03/2026 **Time:** 21:18
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	18.56	2.30	6.91	21.37	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	10.78	2.47	7.40	13.30	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.49	2.41	7.23	6.31	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.88	2.30	6.90	4.33	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.04	2.30	6.90	2.40	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	2.06	2.30	6.90	5.93	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.76	2.36	7.07	6.23	J
96-14-0	3-Methylpentane	0.67	2.00	5.22	2.36	7.07	18.46	
110-54-3	n-Hexane	0.67	2.00	12.19	2.36	7.07	43.06	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	2.64	2.35	7.04	10.83	
71-43-2	Benzene	0.67	2.00	1.21	2.13	6.40	3.87	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	0.76	2.34	7.02	3.57	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.67	2.18	6.53	2.91	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.92	2.19	6.57	4.55	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.08	2.19	6.57	5.34	J
124-18-5	n-Decane	0.40	1.20	0.69	2.33	7.00	4.05	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.71	2.20	6.60	3.91	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	51.29	26.50	79.49	181.21	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	307.76	29.51	88.52	201.81	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **05**
File Name: **2614405A** **B**
Sample ID: **T-105**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/03/2026**
QCBatch: **080326-GCK**
Can: **885**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **11:00** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **21:18** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **357150**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.09	**4.04**	29115	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.13			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.20**	16916	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**	871	I	I	H	289	290
74-98-6	Propane	P	5.20	**5.20**	**5.26**	8219	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.66**						134	351
106-98-9	1-Butene	P	7.29	7.35	**7.24**	5912	I	O	M	363	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.43**	2632	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.84	**8.81**	3272	I	I	H	410	410
590-18-1	c-2-Butene	P	9.63	9.72	**9.55**		O	I	M	428	431
78-78-4	i-Pentane	P	11.37	11.31						189	473
109-67-1	1-Pentene	P	12.30	12.24						189	495
109-66-0	n-Pentane	P	12.48	**12.42**	**12.42**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.73	**12.73**	8096	I	I	H	508	510
627-20-3	c-2-Pentene	P	13.08	13.02						163	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.71	**13.74**		I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.82						163	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.00						163	570
107-83-5	2-Methylpentane	P	15.08	15.02	**15.03**	8294	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.49	**15.51**	24589	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.11**	**16.11**	57366	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.80	**16.88**		I	I	H	624	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.99	**16.99**	14486	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.81**	**17.82**	5686	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.09	**18.09**		I	O	M	661	658
591-76-4	2-Methylhexane	P	18.38	18.33						103	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.40	**18.44**		I	I	H	672	671
589-34-4	3-Methylhexane	P	18.66	18.61						103	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.04	**19.18**		O	O	L	695	690
142-82-5	n-Heptane	P	19.41	19.36	**19.35**	3018	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.04	**20.03**		I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.88	**20.97**		I	I	H	756	753
108-88-3	Toluene	P	21.12	**21.07**	**21.09**	2693	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.30	**21.38**	4788	I	I	H	770	768
589-81-1	3-Methylheptane	p	21.55	21.52	**21.47**		I	I	H	773	775
111-65-9	n-Octane	P	22.27	22.24	**22.24**	2795	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.72	**23.73**	853	I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.92	**23.96**	2679	I	I	H	866	863
100-42-5	Styrene	P	24.40	24.37	**24.41**		I	I	H	883	881
95-47-6	o-xylene	P	24.57	24.54	**24.58**	4194	I	O	M	889	886
111-84-2	n-Nonane	P	24.87	24.84	**24.86**	2512	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.33	**25.38**	2666	I	O	M	922	919
103-65-1	n-propylbenzene	P	25.93	25.90	**25.82**		I	O	M	940	947
620-14-4	3-Ethyltoluene	P	26.17	26.14	**26.12**		I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.23	**26.29**	6520	I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.42	**26.39**		I	I	H	964	964
611-14-3	2-Ethyltoluene	P	26.61	26.58	**26.61**	2810	I	I	H	974	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.05	**27.03**	7656	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.23	**27.24**	5443	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.52						-13	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.07	**28.02**	5574	I	O	M	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.20	**28.19**	1769	I	I	H	1035	1037
1120-21-4	Undecane	P	29.86	29.80	**29.93**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	32.40	**32.46**		I	I	H	1200	1200

Abbreviation	**Total Petroleum Hydrocarbons:**	**241424**	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	241424	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	241424	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080326-GCK		
Hexane Std Area:	357150		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	37.11	18.56	21.37	37.11	18.56	21.37	21.37
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	21.56	10.78	13.30	21.56	10.78	13.30	13.30
Propene	42.1	3	1.11	0.37	0.64	ND	ND	ND	0
Propane	44.1	3	10.48	3.49	6.31	10.48	3.49	6.31	6.31
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	7.54	1.88	4.33	7.54	1.88	4.33	4.33
n-Butane	58.1	4	3.36	0.84	2.00	ND	ND	ND	0
t-2-Butene	56.1	4	4.17	1.04	2.40	4.17	1.04	2.40	2.40
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	10.32	2.06	5.93	10.32	2.06	5.93	5.93
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	10.57	1.76	6.23	10.57	1.76	6.23	6.23
3-Methylpentane	86.2	6	31.35	5.22	18.46	31.35	5.22	18.46	18.46
n-Hexane	86.2	6	73.13	**12.19**	43.06	73.13	12.19	43.06	43.06
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	18.47	2.64	10.83	18.47	2.64	10.83	10.83
Benzene	78.1	6	7.25	1.21	3.87	7.25	1.21	3.87	3.87
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	3.85	0.55	2.26	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	3.43	0.49	1.85	ND	ND	ND	0
2-Methylheptane	114.2	8	6.10	0.76	3.57	6.10	0.76	3.57	3.57
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	3.56	0.45	2.08	ND	ND	ND	0
Ethylbenzene	106.2	8	1.09	0.14	0.59	ND	ND	ND	0

m,p-xylene	106.2	8	3.42	0.43	1.86	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	5.35	0.67	2.91	5.35	0.67	2.91	2.91
n-Nonane	128.3	9	3.20	0.36	1.87	ND	ND	ND	0
i-Propylbenzene	120.2	9	3.40	0.38	1.86	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	8.31	0.92	4.55	8.31	0.92	4.55	4.55
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	3.58	0.40	1.96	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	9.76	1.08	5.34	9.76	1.08	5.34	5.34
n-Decane	142.3	10	6.94	0.69	4.05	6.94	0.69	4.05	4.05
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	7.11	0.71	3.91	7.11	0.71	3.91	3.91
1,4-Diethylbenzene	134.2	10	2.26	0.23	1.24	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	307.76	51.3	181.2	307.76	51.29	181.21	181.21
Total Non-Methane Hydrocarbons-C1	16	1.0	307.76	307.8	201.8	307.76	307.76	201.81	201.81

SDG: **226144**
Laboratory Number: **05**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
21.37	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0		=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
13.30	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
6.31	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
4.33	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.40	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
5.93	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
6.23	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
18.46	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
43.06	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
10.83	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
3.87	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
3.57	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
2.91	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.55	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
5.34	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
4.05	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.91	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
181.21	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
201.81	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					37.1		37.11		
					0.0			0.00	
21.6						21.56			
					1.1		1.11		
10.5						10.48			
		0.0				0.00			
					7.5		7.54		
3.4						3.36			
					4.2		4.17		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					10.3		10.32		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		10.6				10.57			
		31.3				31.35			
73.1						73.13			
				0.0					0.00
		18.5				18.47			
			7.2						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
3.8						3.85			
				0.0					0.00
		0.0				0.00			
			3.4						
		6.1				6.10			
		0.0				0.00			
3.6						3.56			
			1.1						

		3.4							
		0.0							
		5.3							
3.2						3.20			
		3.4							
		0.0							
		0.0							
		8.3							
		0.0							
		3.6							
		9.8							
6.9						6.94			
		0.0							
		7.1							
		2.3							
0.0						0.00			
0.0						0.00			
126.1	66.5	54.9	0.0	60.3	0.0	192.6	60.3	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

7.25

3.43

1.09

3.42
0.00
5.35

3.40
0.00
0.00
8.31
0.00
3.58
9.76

0.00
7.11
2.26

0.0	0.0	0.0	0.0	54.9	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		05	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6\ Carbons \times Ansamp \times CDF \times 1000}{(Avg\ RFn) \times SV} = Cn$

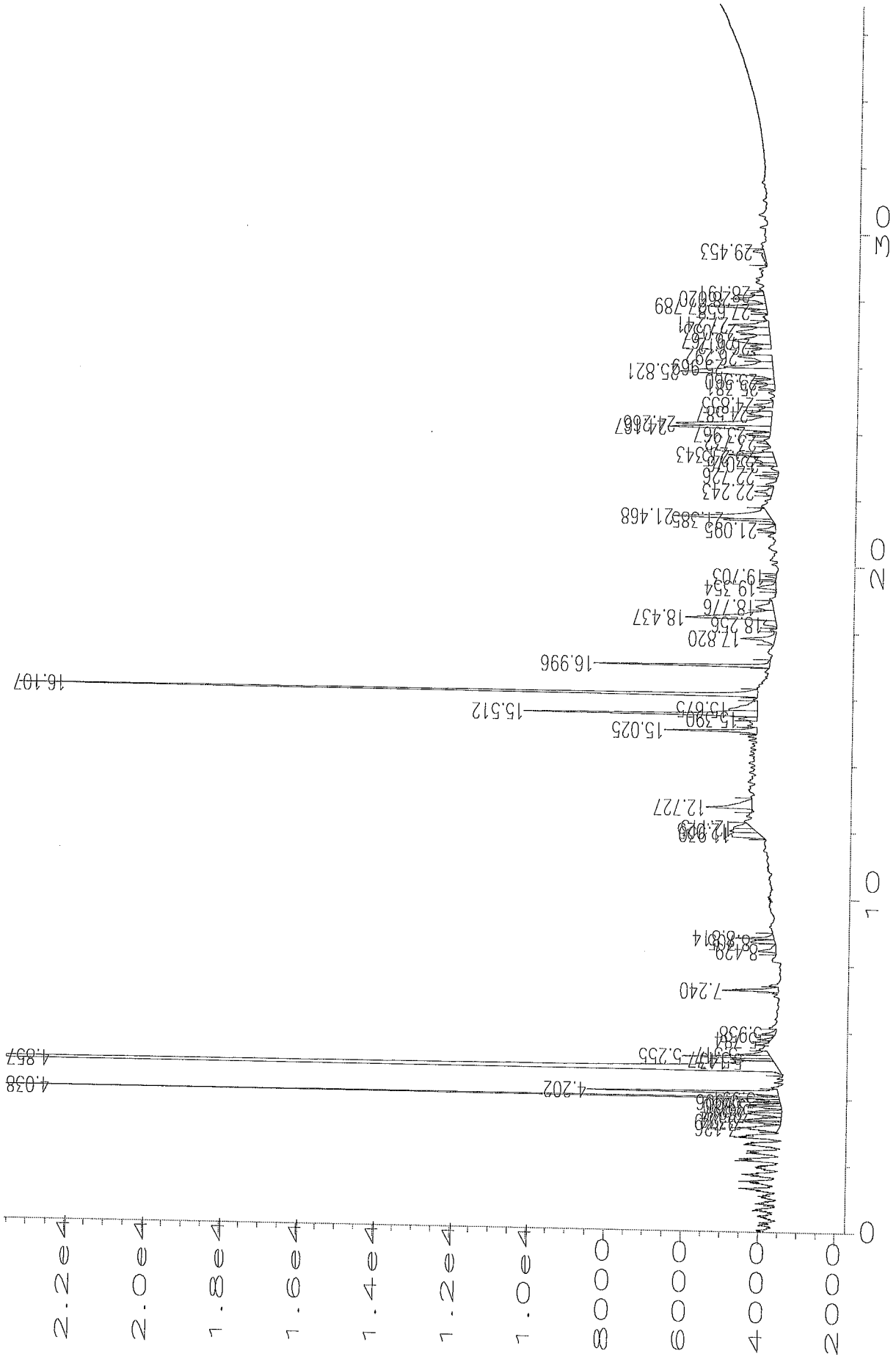
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv) \times MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.98E+04	29115	37.1	18.56	21.37
Acetylene	2	TRG	26.0	1.98E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.98E+04	16916	21.6	10.78	13.30
Propene	3	TRG	42.1	1.98E+04	871	1.1	0.37	0.64
Propane	3	TRG	44.1	1.98E+04	8219	10.5	3.49	6.31
i-Butane	4	TRG	58.1	1.98E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.98E+04	5912	7.5	1.88	4.33
n-Butane	4	TRG	58.1	1.98E+04	2632	3.4	0.84	2.00
t-2-Butene	4	TRG	56.1	1.98E+04	3272	4.2	1.04	2.40
c-2-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.98E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.98E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.98E+04	8096	10.3	2.06	5.93
c-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.98E+04	8294	10.6	1.76	6.23
3-Methylpentane	6	TRG	86.2	1.98E+04	24589	31.3	5.22	18.46
n-Hexane	6	TRG	86.2	1.98E+04	57366	73.1	12.19	43.06
Methylcyclopentane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.98E+04	14486	18.5	2.64	10.83
Benzene	6	TRG	78.1	1.98E+04	5686	7.2	1.21	3.87
Cyclohexane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.98E+04	3018	3.8	0.55	2.26
Methylcyclohexane	7	TRG	98.2	1.98E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.98E+04	2693	3.4	0.49	1.85
2-Methylheptane	8	TRG	114.2	1.98E+04	4788	6.1	0.76	3.57
3-Methylheptane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.98E+04	2795	3.6	0.45	2.08
Ethylbenzene	8	TRG	106.2	1.98E+04	853	1.1	0.14	0.59

m,p-xylene	8	TRG	106.2	1.98E+04	2679	3.4	0.43	1.86
Styrene	8	TRG	104.2	1.98E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.98E+04	4194	5.3	0.67	2.91
n-Nonane	9	TRG	128.3	1.98E+04	2512	3.2	0.36	1.87
i-Propylbenzene	9	TRG	120.2	1.98E+04	2666	3.4	0.38	1.86
n-propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.98E+04	6520	8.3	0.92	4.55
1,3,5-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.98E+04	2810	3.6	0.40	1.96
1,2,4-Trimethylbenzene	9	TRG	120.2	1.98E+04	7656	9.8	1.08	5.34
n-Decane	10	TRG	142.3	1.98E+04	5443	6.9	0.69	4.05
1,2,3-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.98E+04	5574	7.1	0.71	3.91
1,4-Diethylbenzene	10	TRG	134.2	1.98E+04	1769	2.3	0.23	1.24
Undecane	11	TRG	156.3	1.98E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.98E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.98E+04	241424	307.8	51.29	181.21
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.98E+04	241424	307.8	307.76	201.81

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Sample Data Packages

SDG Number **226144**

Lab Id Number **6**

Client ID T-106

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Canister: 755
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 08/04/2026 **Time:** 13:14
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	20.63	2.36	7.09	60.95	
646-04-8	t-2-Pentene	0.80	2.40	3.01	2.30	6.90	8.64	
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	2.10	2.36	7.07	7.43	
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	3.84	2.30	6.90	13.24	
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.40	2.34	7.02	6.56	J
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.81	2.18	6.53	3.53	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.66	2.18	6.53	7.22	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.67	2.18	6.53	2.92	J
111-84-2	n-Nonane	0.44	1.33	0.58	2.34	7.01	3.06	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.24	2.19	6.57	6.12	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	0.46	2.33	7.00	2.71	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	37.39	26.50	79.49	132.10	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	224.36	29.51	88.52	147.12	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **06**
File Name: **2614406A** **B**
Sample ID: **T-106**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/04/2026**
QCBatch: **080426-GCK**
Can: **755**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:59** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **13:14** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **360303**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						199	410
590-18-1	c-2-Butene	P	9.63	9.63						199	431
78-78-4	i-Pentane	P	11.37	11.38						199	473
109-67-1	1-Pentene	P	12.30	12.31						199	495
109-66-0	n-Pentane	P	12.48	**12.49**	**12.49**	80900	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.80	**12.82**	11798	I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	13.09						161	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.78	**13.71**	9896	I	O	M	533	537
287-92-3	Cyclopentane	P	14.88	14.89						161	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.07						161	570
107-83-5	2-Methylpentane	P	15.08	15.09						161	571
96-14-0	3-Methylpentane	P	15.55	15.56						161	583
110-54-3	n-Hexane	P	16.17	**16.18**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86	**16.80**	2761	I	I	H	619	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						104	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16	**18.26**	18063	I	O	M	664	658
591-76-4	2-Methylhexane	P	18.38	18.40						104	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						104	671
589-34-4	3-Methylhexane	P	18.66	18.68						104	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.43	**19.43**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						-1	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						-1	753
108-88-3	Toluene	P	21.12	**21.14**	**21.05**	1619	I	I	H	758	758
592-27-8	2-Methylheptane	P	21.33	21.26	**21.23**	8791	I	O	M	765	768
589-81-1	3-Methylheptane	p	21.55	21.48						-1	775
111-65-9	n-Octane	P	22.27	22.20	**22.20**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.68	**23.78**	5091	I	O	M	859	855
108-38-3	m,p-xylene	P	23.95	23.88	**23.98**	10414	I	O	M	867	863
100-42-5	Styrene	P	24.40	24.33						-35	881
95-47-6	o-xylene	P	24.57	24.50	**24.48**	4213	I	I	H	886	886
111-84-2	n-Nonane	P	24.87	24.80	**24.86**	4111	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.29	**25.24**	1563	I	I	H	916	919
103-65-1	n-propylbenzene	P	25.93	25.86	**25.91**	1700	I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.10						-152	957
622-96-8	4-Ethyltoluene	P	26.26	26.19	**26.29**	8773	I	I	H	961	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.38	**26.38**		I	I	H	964	964
611-14-3	2-Ethyltoluene	P	26.61	26.54	**26.47**	2666	I	O	M	968	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.01						-152	991
124-18-5	n-Decane	P	27.26	27.19	**27.22**	3643	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.48						-31	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.03	**28.00**		I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.16						-31	1037
1120-21-4	Undecane	P	29.86	29.79	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.39	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**176002**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					176002		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					176002		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080426-GCK		
Hexane Std Area:	360303		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	103.13	20.63	60.95	103.13	20.63	60.95	60.95
t-2-Pentene	70.1	5	15.04	3.01	8.64	15.04	3.01	8.64	8.64
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	12.62	2.10	7.43	12.62	2.10	7.43	7.43
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	3.52	0.59	2.02	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	23.03	3.84	13.24	23.03	3.84	13.24	13.24
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	2.06	0.29	1.11	ND	ND	ND	0
2-Methylheptane	114.2	8	11.21	1.40	6.56	11.21	1.40	6.56	6.56
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	6.49	0.81	3.53	6.49	0.81	3.53	3.53

m,p-xylene	106.2	8	13.28	1.66	7.22	13.28	1.66	7.22	7.22
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	5.37	0.67	2.92	5.37	0.67	2.92	2.92
n-Nonane	128.3	9	5.24	0.58	3.06	5.24	0.58	3.06	3.06
i-Propylbenzene	120.2	9	1.99	0.22	1.09	ND	ND	ND	0
n-propylbenzene	120.2	9	2.17	0.24	1.19	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	11.18	1.24	6.12	11.18	1.24	6.12	6.12
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	3.40	0.38	1.86	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	4.64	0.46	2.71	4.64	0.46	2.71	2.71
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	224.36	37.4	132.1	224.36	37.39	132.10	132.10
Total Non-Methane Hydrocarbons-C1	16	1.0	224.36	224.4	147.1	224.36	224.36	147.12	147.12

SDG: **226144**
Laboratory Number: **06**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
60.95	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0		=		Y
8.64	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
7.43	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
13.24	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
6.56	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
3.53	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=		Y

7.22	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
2.92	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
3.06	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
6.12	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
2.71	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
132.10	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
147.12	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
103.1						103.13			
					15.0		15.04		
					0.0		0.00		
	12.6					12.62			
			0.0						0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
			3.5						3.52
	0.0					0.00			
		0.0							
			23.0			23.03			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
			0.0						0.00
	0.0					0.00			
		2.1							
	11.2					11.21			
	0.0					0.00			
0.0						0.00			
		6.5							

		13.3							
		0.0							
		5.4							
5.2						5.24			
		2.0							
		2.2							
		0.0							
		11.2							
		0.0							
		3.4							
		0.0							
4.6						4.64			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
113.0	23.8	45.9	26.5	15.0	0.0	159.9	15.0	0.0	3.5

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

2.06

6.49

				13.28	
				0.00	
				5.37	
				1.99	
				2.17	
				0.00	
				11.18	
				0.00	
				3.40	
				0.00	
				0.00	
				0.00	
				0.00	
0.0	0.0	0.0	0.0	45.9	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		06	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdnl) / (Cstdnl) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

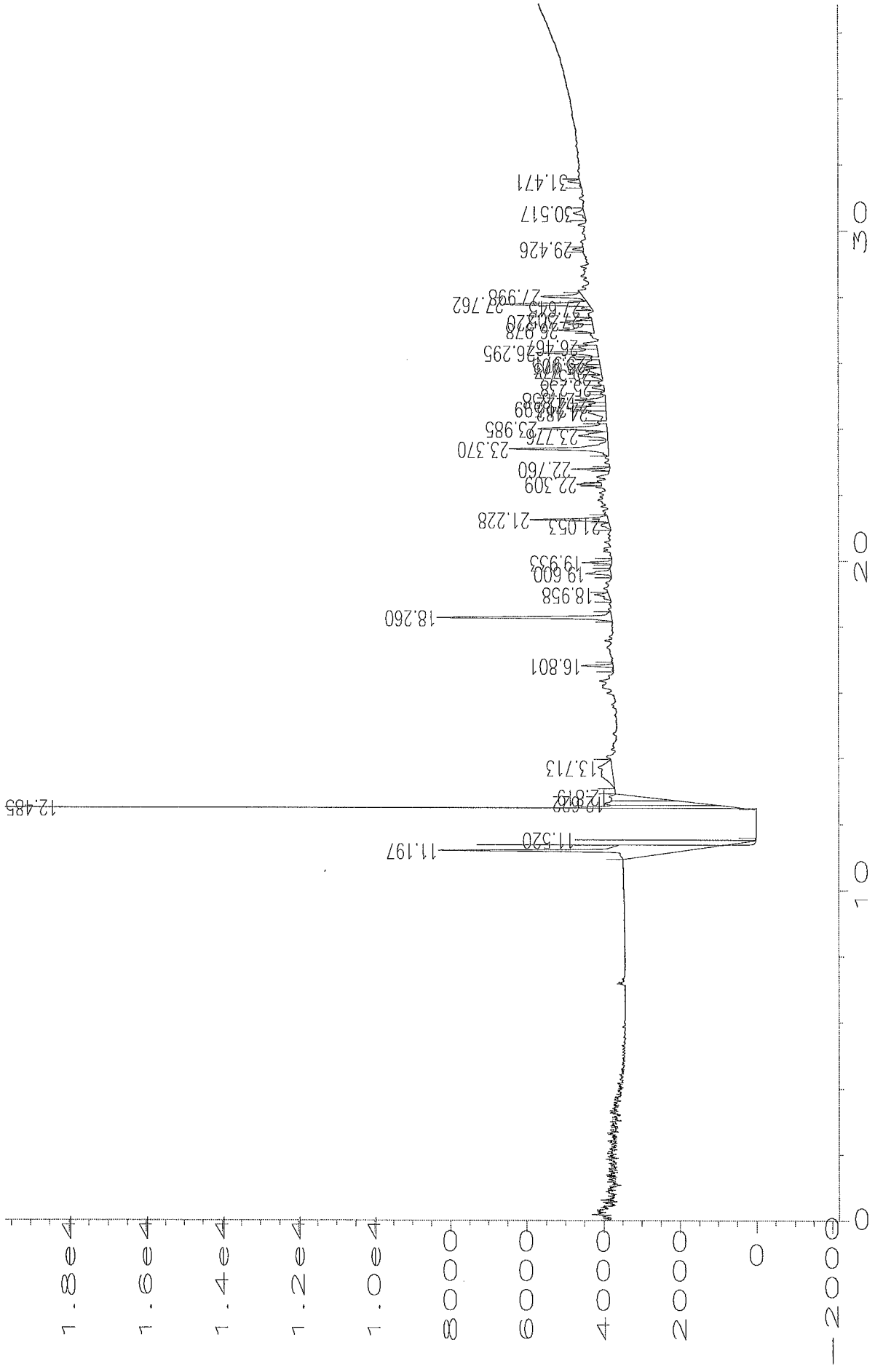
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.00E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.00E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.00E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	2.00E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	2.00E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.00E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.00E+04	80900	103.1	20.63	60.95
t-2-Pentene	5	TRG	70.1	2.00E+04	11798	15.0	3.01	8.64
c-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.00E+04	9896	12.6	2.10	7.43
Cyclopentane	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	2.00E+04	2761	3.5	0.59	2.02
2,4-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.00E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.00E+04	18063	23.0	3.84	13.24
2-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.00E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.00E+04	1619	2.1	0.29	1.11
2-Methylheptane	8	TRG	114.2	2.00E+04	8791	11.2	1.40	6.56
3-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.00E+04	5091	6.5	0.81	3.53

m,p-xylene	8	TRG	106.2	2.00E+04	10414	13.3	1.66	7.22
Styrene	8	TRG	104.2	2.00E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.00E+04	4213	5.4	0.67	2.92
n-Nonane	9	TRG	128.3	2.00E+04	4111	5.2	0.58	3.06
i-Propylbenzene	9	TRG	120.2	2.00E+04	1563	2.0	0.22	1.09
n-propylbenzene	9	TRG	120.2	2.00E+04	1700	2.2	0.24	1.19
3-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.00E+04	8773	11.2	1.24	6.12
1,3,5-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.00E+04	2666	3.4	0.38	1.86
1,2,4-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.00E+04	3643	4.6	0.46	2.71
1,2,3-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.00E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.00E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.00E+04	176002	224.4	37.39	132.10
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.00E+04	176002	224.4	224.36	147.12

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Sample Data Packages

SDG Number 226144

Lab Id Number 7

Client ID T-107

Analytical Method TO-12

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Analytical Report
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Canister: 182
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 08/04/2026 **Time:** 14:07
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.15	2.47	7.40	29.79	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.82	2.41	7.23	6.90	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	1.55	2.36	7.09	4.57	J
646-04-8	t-2-Pentene	0.80	2.40	2.12	2.30	6.90	6.08	J
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	1.76	2.36	7.07	6.22	J
96-14-0	3-Methylpentane	0.67	2.00	3.73	2.36	7.07	13.19	
110-54-3	n-Hexane	0.67	2.00	17.31	2.36	7.07	61.17	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	3.89	2.35	7.04	15.97	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	41.03	26.50	79.49	144.95	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	246.17	29.51	88.52	161.42	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **07**
File Name: **2614407A** B
Sample ID: **T-107**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/04/2026**
QCBatch: **080426-GCK**
Can: **182**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **11:03** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **14:07** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **360303**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.08			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.12			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.19**	37891	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-203	290
74-98-6	Propane	P	5.20	**5.20**	**5.23**	8990	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.63**						132	351
106-98-9	1-Butene	P	7.29	7.32	**7.21**	1313	I	O	M	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75	**8.68**	1860	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.63						197	431
78-78-4	i-Pentane	P	11.37	11.34						197	473
109-67-1	1-Pentene	P	12.30	12.27						197	495
109-66-0	n-Pentane	P	12.48	**12.45**	**12.45**	6060	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.76	**12.71**	8297	I	I	H	507	510
627-20-3	c-2-Pentene	P	13.08	13.05						160	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.74	**13.71**		I	I	H	535	537
287-92-3	Cyclopentane	P	14.88	14.85						160	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.03		0				160	570
107-83-5	2-Methylpentane	P	15.08	15.05	**15.02**	8283	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.52	**15.51**	17567	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.14**	**16.11**	81497	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.80	**16.80**		I	I	H	621	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.99	**17.00**	21354	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.81**	**17.89**		I	I	H	654	651
110-82-7	Cyclohexane	P	18.14	18.16	**18.26**		I	O	M	665	658
591-76-4	2-Methylhexane	P	18.38	18.40						115	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						115	671
589-34-4	3-Methylhexane	P	18.66	18.68						115	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**		I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.43	**19.43**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						-1	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						-1	753
108-88-3	Toluene	P	21.12	**21.14**	**21.05**		I	I	H	758	758
592-27-8	2-Methylheptane	P	21.33	21.26	**21.23**		I	O	M	765	768
589-81-1	3-Methylheptane	p	21.55	21.48						-1	775
111-65-9	n-Octane	P	22.27	22.20	**22.20**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.68	**23.78**		I	O	M	859	855
108-38-3	m,p-xylene	P	23.95	23.88	**23.98**		I	O	M	867	863
100-42-5	Styrene	P	24.40	24.33						-35	881
95-47-6	o-xylene	P	24.57	24.50	**24.48**		I	I	H	886	886
111-84-2	n-Nonane	P	24.87	24.80	**24.86**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.29	**25.24**		I	I	H	916	919
103-65-1	n-propylbenzene	P	25.93	25.86	**25.91**		I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.10						-152	957
622-96-8	4-Ethyltoluene	P	26.26	26.19	**26.29**		I	I	H	961	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.38	**26.38**		I	I	H	964	964
611-14-3	2-Ethyltoluene	P	26.61	26.54	**26.47**		I	O	M	968	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.01						-152	991
124-18-5	n-Decane	P	27.26	27.19	**27.22**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.48						-31	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.03	**28.00**		I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.16						-31	1037
1120-21-4	Undecane	P	29.86	29.79	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.39	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**193112**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					193112		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					193112		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080426-GCK		
Hexane Std Area:	360303		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	48.30	24.15	29.79	48.30	24.15	29.79	29.79
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	11.46	3.82	6.90	11.46	3.82	6.90	6.90
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	1.67	0.42	0.96	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	2.37	0.59	1.36	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	7.73	1.55	4.57	7.73	1.55	4.57	4.57
t-2-Pentene	70.1	5	10.58	2.12	6.08	10.58	2.12	6.08	6.08
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	10.56	1.76	6.22	10.56	1.76	6.22	6.22
3-Methylpentane	86.2	6	22.39	3.73	13.19	22.39	3.73	13.19	13.19
n-Hexane	86.2	6	103.89	**17.31**	61.17	103.89	17.31	61.17	61.17
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	27.22	3.89	15.97	27.22	3.89	15.97	15.97
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	246.17	41.0	144.9	246.17	41.03	144.95	144.95
Total Non-Methane Hydrocarbons-C1	16	1.0	246.17	246.2	161.4	246.17	246.17	161.42	161.42

SDG: **226144**
Laboratory Number: **07**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
29.79	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
6.90	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
4.57	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	J	=		Y
6.08	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
6.22	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
13.19	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
61.17	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
15.97	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
144.95	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
161.42	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
48.3						48.30			
					0.0		0.00		
11.5						11.46			
		0.0				0.00			
					1.7		1.67		
0.0						0.00			
					2.4		2.37		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
7.7						7.73			
					10.6		10.58		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		10.6				10.56			
		22.4				22.39			
103.9						103.89			
				0.0					0.00
		27.2				27.22			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
171.4	60.2	0.0	0.0	14.6	0.0	231.6	14.6	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		07	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{\text{(Astdni)}}{\text{(Cstdni)}}\right|_i$

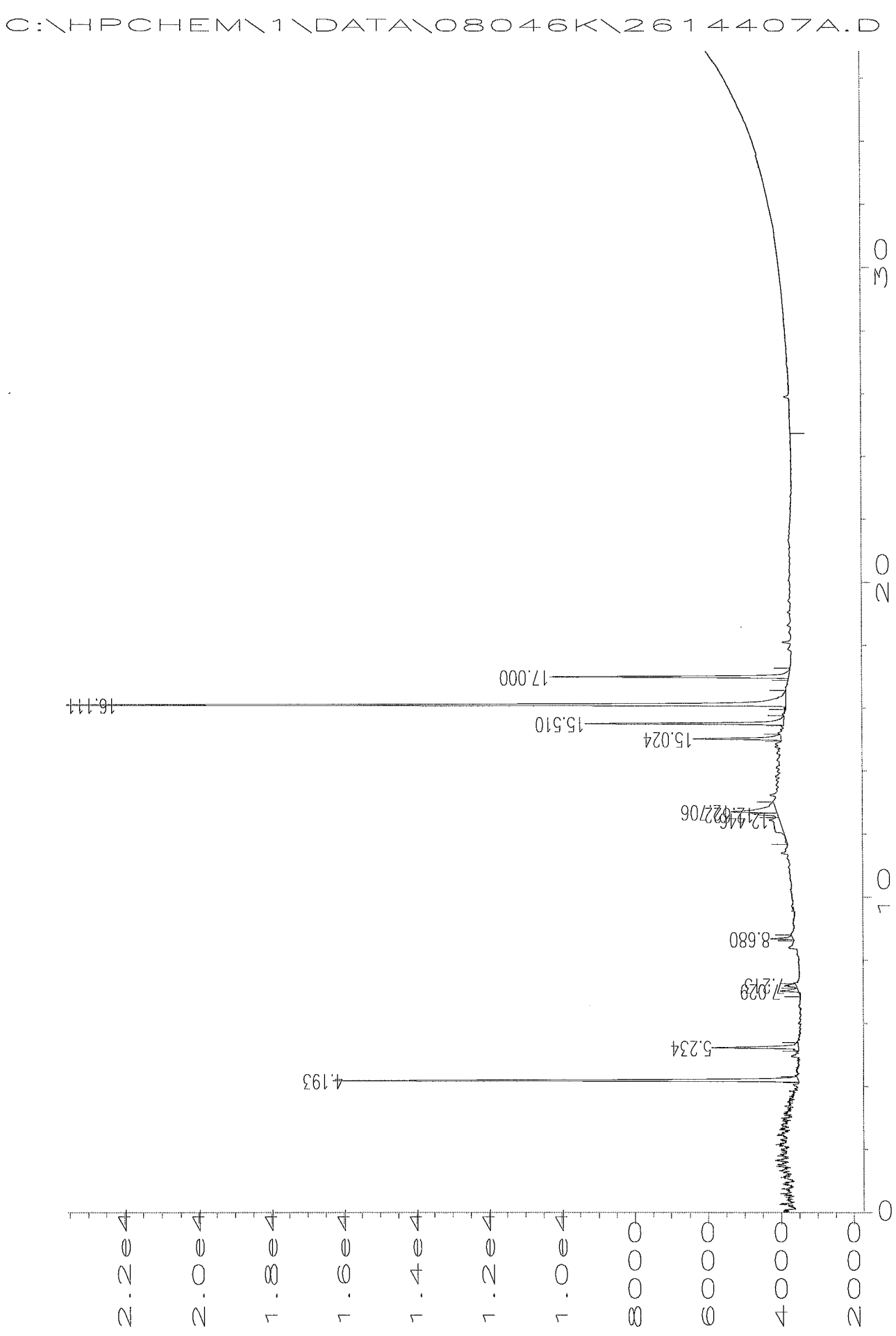
2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.00E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.00E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.00E+04	37891	48.3	24.15	29.79
Propene	3	TRG	42.1	2.00E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	2.00E+04	8990	11.5	3.82	6.90
i-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.00E+04	1313	1.7	0.42	0.96
n-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.00E+04	1860	2.4	0.59	1.36
c-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.00E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.00E+04	6060	7.7	1.55	4.57
t-2-Pentene	5	TRG	70.1	2.00E+04	8297	10.6	2.12	6.08
c-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.00E+04	8283	10.6	1.76	6.22
3-Methylpentane	6	TRG	86.2	2.00E+04	17567	22.4	3.73	13.19
n-Hexane	6	TRG	86.2	2.00E+04	81497	103.9	17.31	61.17
Methylcyclopentane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.00E+04	21354	27.2	3.89	15.97
Benzene	6	TRG	78.1	2.00E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.00E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.00E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.00E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.00E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.00E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.00E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.00E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.00E+04	193112	246.2	41.03	144.95
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.00E+04	193112	246.2	246.17	161.42


C:\HPCHEM\1\DATA\080046K\26144407A.D
4.193
5.234
8.680
17.000
16.111
15.510
15.024
0
10
20
30
0
4000
8000
12000
16000
20000
24000

Sample Data Packages

SDG Number 226144

Lab Id Number 8

Client ID T-108

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Canister: 551
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 08/04/2026 **Time:** 14:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.42	2.47	7.40	28.89	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.95	2.41	7.23	5.33	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.26	2.30	6.90	2.90	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	1.95	2.30	6.90	5.60	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.84	2.36	7.07	2.95	J
96-14-0	3-Methylpentane	0.67	2.00	0.90	2.36	7.07	3.18	J
110-54-3	n-Hexane	0.67	2.00	5.21	2.36	7.07	18.40	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.25	2.35	7.04	5.13	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	22.11	26.50	79.49	78.12	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	132.67	29.51	88.52	87.00	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **08**
File Name: **2614408A** **B**
Sample ID: **T-108**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/04/2026**
QCBatch: **080426-GCK**
Can: **551**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:57** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **14:52** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **360303**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.04**	1305	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**	36737	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.09**	1976	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.19**	6946	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.59**						137	351
106-98-9	1-Butene	P	7.29	7.28	**7.23**	1744	I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.37**	1814	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.78	**8.71**	3959	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.66						194	431
78-78-4	i-Pentane	P	11.37	11.33						194	473
109-67-1	1-Pentene	P	12.30	12.26	**12.20**	7639	I	I	H	494	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**	1334	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75	**12.78**	1080	I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	13.04						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73	**13.71**		I	I	H	535	537
287-92-3	Cyclopentane	P	14.88	14.84						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						162	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.03**	3936	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.52**	4235	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.12**	24514	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.81	**16.80**		I	I	H	621	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.00	**17.00**	6855	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.82**	**17.89**		I	I	H	654	651
110-82-7	Cyclohexane	P	18.14	18.16	**18.26**		I	O	M	665	658
591-76-4	2-Methylhexane	P	18.38	18.40						114	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						114	671
589-34-4	3-Methylhexane	P	18.66	18.68						114	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**		I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.43	**19.43**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						-1	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						-1	753
108-88-3	Toluene	P	21.12	**21.14**	**21.05**		I	I	H	758	758
592-27-8	2-Methylheptane	P	21.33	21.26	**21.23**		I	O	M	765	768
589-81-1	3-Methylheptane	p	21.55	21.48						-1	775
111-65-9	n-Octane	P	22.27	22.20	**22.20**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.68	**23.78**		I	O	M	859	855
108-38-3	m,p-xylene	P	23.95	23.88	**23.98**		I	O	M	867	863
100-42-5	Styrene	P	24.40	24.33						-35	881
95-47-6	o-xylene	P	24.57	24.50	**24.48**		I	I	H	886	886
111-84-2	n-Nonane	P	24.87	24.80	**24.86**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.29	**25.24**		I	I	H	916	919
103-65-1	n-propylbenzene	P	25.93	25.86	**25.91**		I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.10						-152	957
622-96-8	4-Ethyltoluene	P	26.26	26.19	**26.29**		I	I	H	961	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.38	**26.38**		I	I	H	964	964
611-14-3	2-Ethyltoluene	P	26.61	26.54	**26.47**		I	O	M	968	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.01						-152	991
124-18-5	n-Decane	P	27.26	27.19	**27.22**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.48						-31	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.03	**28.00**		I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.16						-31	1037
1120-21-4	Undecane	P	29.86	29.79	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.39	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**104074**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					104074		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					104074		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080426-GCK		
Hexane Std Area:	360303		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.66	0.83	0.96	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	46.83	23.42	28.89	46.83	23.42	28.89	28.89
Propene	42.1	3	2.52	0.84	1.45	ND	ND	ND	0
Propane	44.1	3	8.85	2.95	5.33	8.85	2.95	5.33	5.33
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.22	0.56	1.28	ND	ND	ND	0
n-Butane	58.1	4	2.31	0.58	1.38	ND	ND	ND	0
t-2-Butene	56.1	4	5.05	1.26	2.90	5.05	1.26	2.90	2.90
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	9.74	1.95	5.60	9.74	1.95	5.60	5.60
n-Pentane	72.1	5	1.70	0.34	1.00	ND	ND	ND	0
t-2-Pentene	70.1	5	1.38	0.28	0.79	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	5.02	0.84	2.95	5.02	0.84	2.95	2.95
3-Methylpentane	86.2	6	5.40	0.90	3.18	5.40	0.90	3.18	3.18
n-Hexane	86.2	6	31.25	**5.21**	18.40	31.25	5.21	18.40	18.40
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	8.74	1.25	5.13	8.74	1.25	5.13	5.13
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	132.67	22.1	78.1	132.67	22.11	78.12	78.12
Total Non-Methane Hydrocarbons-C1	16	1.0	132.67	132.7	87.0	132.67	132.67	87.00	87.00

SDG: **226144**
Laboratory Number: **08**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
28.89	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
5.33	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.90	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
5.60	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
2.95	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
3.18	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
18.40	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
5.13	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
78.12	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
87.00	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.7		1.66		
					0.0			0.00	
46.8						46.83			
					2.5		2.52		
8.9						8.85			
		0.0				0.00			
					2.2		2.22		
2.3						2.31			
					5.0		5.05		
					0.0		0.00		
		0.0				0.00			
					9.7		9.74		
1.7						1.70			
					1.4		1.38		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		5.0				5.02			
		5.4				5.40			
31.2						31.25			
				0.0					0.00
		8.7				8.74			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
90.9	19.2	0.0	0.0	22.6	0.0	110.1	22.6	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		08	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\ \left|\frac{\text{(Astdni)}}{\text{(Cstdni)}}\right|_i}{}$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

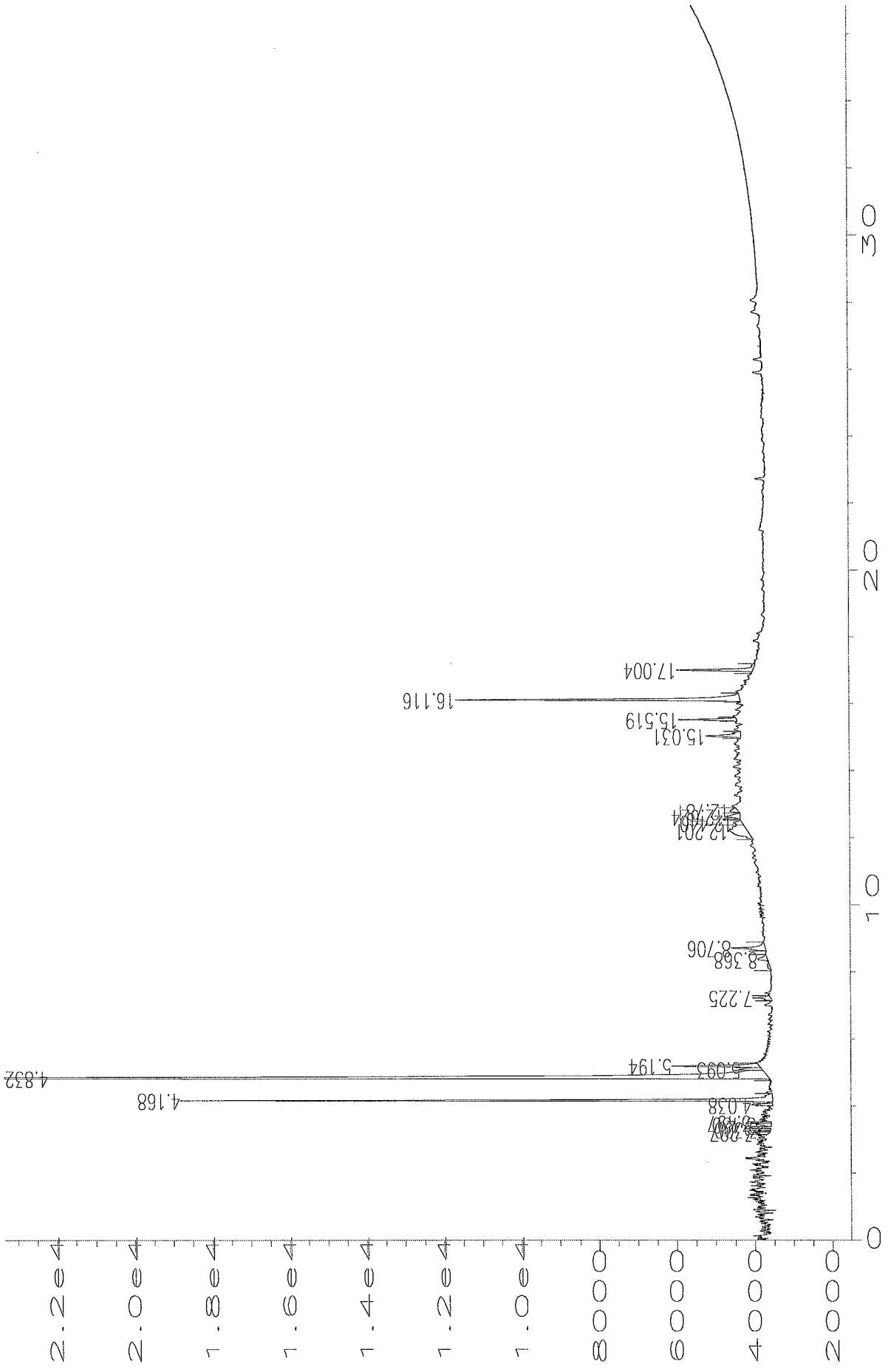
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.00E+04	1305	1.7	0.83	0.96
Acetylene	2	TRG	26.0	2.00E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.00E+04	36737	46.8	23.42	28.89
Propene	3	TRG	42.1	2.00E+04	1976	2.5	0.84	1.45
Propane	3	TRG	44.1	2.00E+04	6946	8.9	2.95	5.33
i-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.00E+04	1744	2.2	0.56	1.28
n-Butane	4	TRG	58.1	2.00E+04	1814	2.3	0.58	1.38
t-2-Butene	4	TRG	56.1	2.00E+04	3959	5.0	1.26	2.90
c-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.00E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.00E+04	7639	9.7	1.95	5.60
n-Pentane	5	TRG	72.1	2.00E+04	1334	1.7	0.34	1.00
t-2-Pentene	5	TRG	70.1	2.00E+04	1080	1.4	0.28	0.79
c-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.00E+04	3936	5.0	0.84	2.95
3-Methylpentane	6	TRG	86.2	2.00E+04	4235	5.4	0.90	3.18
n-Hexane	6	TRG	86.2	2.00E+04	24514	31.2	5.21	18.40
Methylcyclopentane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.00E+04	6855	8.7	1.25	5.13
Benzene	6	TRG	78.1	2.00E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.00E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.00E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.00E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.00E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.00E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.00E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.00E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.00E+04	104074	132.7	22.11	78.12
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.00E+04	104074	132.7	132.67	87.00

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Sample Data Packages

SDG Number 226144

Lab Id Number 9

Client ID T-109

Analytical Method TO-12

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Analytical Report
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Canister: 638
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 08/04/2026 **Time:** 16:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.19	2.47	7.40	38.48	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	6.47	2.41	7.23	11.70	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	3.17	2.38	7.14	7.55	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	7.47	2.13	6.40	23.91	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	1.08	2.35	7.04	4.42	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.00	2.34	7.02	4.69	J
108-88-3	Toluene	0.57	1.71	2.90	2.16	6.47	10.93	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.23	2.34	7.02	5.74	J
100-41-4	Ethylbenzene	0.50	1.50	3.96	2.18	6.53	17.22	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	4.89	2.18	6.53	21.29	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	3.08	2.18	6.53	13.42	
111-84-2	n-Nonane	0.44	1.33	2.25	2.34	7.01	11.82	
98-82-8	i-Propylbenzene	0.44	1.33	1.61	2.19	6.57	7.94	
103-65-1	n-propylbenzene	0.44	1.33	1.50	2.19	6.57	7.39	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	4.48	2.19	6.57	22.07	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	2.10	2.19	6.57	10.35	
611-14-3	2-Ethyltoluene	0.44	1.33	1.61	2.19	6.57	7.95	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	8.32	2.19	6.57	40.98	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.96	2.20	6.60	5.26	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	85.41	26.50	79.49	301.72	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	512.44	29.51	88.52	336.03	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **09**
File Name: **2614409A** **B**
Sample ID: **T-109**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/04/2026**
QCBatch: **080426-GCK**
Can: **638**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:14** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **16:45** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **360303**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.97			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.01			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.08**	48938	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.01**	3103	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.10**	15236	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.50**						141	351
106-98-9	1-Butene	P	7.29	7.19	**7.23**		I	I	H	366	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.32**	9953	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.73	**8.71**		I	I	H	409	410
590-18-1	c-2-Butene	P	9.63	9.61						198	431
78-78-4	i-Pentane	P	11.37	11.33						198	473
109-67-1	1-Pentene	P	12.30	12.26	**12.20**		I	I	H	494	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75	**12.73**	2636	I	I	H	508	510
627-20-3	c-2-Pentene	P	13.08	13.04						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73	**13.71**		I	I	H	535	537
287-92-3	Cyclopentane	P	14.88	14.84						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						162	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.03**		I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.51**	1851	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.12**	3133	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.81	**16.82**	2284	I	I	H	621	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.00	**16.99**	1451	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.82**	**17.80**	35153	I	I	H	651	651
110-82-7	Cyclohexane	P	18.14	18.07	**18.26**		O	O	L	665	658
591-76-4	2-Methylhexane	P	18.38	18.31						109	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.38						109	671
589-34-4	3-Methylhexane	P	18.66	18.59	**18.61**	1179	I	I	H	676	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.02	**19.11**		I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.34	**19.40**	5912	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.02						16	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.86	**20.90**	6284	I	I	H	753	753
108-88-3	Toluene	P	21.12	**21.05**	**21.08**	15905	I	I	H	759	758
592-27-8	2-Methylheptane	P	21.33	21.29	**21.37**	2223	I	I	H	770	768
589-81-1	3-Methylheptane	p	21.55	21.51						16	775
111-65-9	n-Octane	P	22.27	22.23	**22.23**	7694	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.71	**23.71**	24823	I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.91	**23.93**	30696	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.36	**24.42**	2243	I	I	H	884	881
95-47-6	o-xylene	P	24.57	24.53	**24.57**	19351	I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.83	**24.83**	15867	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.32	**25.35**	11384	I	I	H	922	919
103-65-1	n-propylbenzene	P	25.93	25.89	**25.89**	10591	I	I	H	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.13						-143	957
622-96-8	4-Ethyltoluene	P	26.26	26.22	**26.26**	31636	I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.41	**26.42**	14830	I	I	H	967	964
611-14-3	2-Ethyltoluene	P	26.61	26.57	**26.58**	11399	I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.04	**27.01**	58728	I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.22	**27.21**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.51						-27	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.06						-27	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.19	**28.17**	7506	I	I	H	1036	1037
1120-21-4	Undecane	P	29.86	29.83	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.43	**32.46**		I	I	H	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:	401989	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	401989	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	401989	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080426-GCK		
Hexane Std Area:	360303		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	62.38	31.19	38.48	62.38	31.19	38.48	38.48
Propene	42.1	3	3.96	1.32	2.28	ND	ND	ND	0
Propane	44.1	3	19.42	6.47	11.70	19.42	6.47	11.70	11.70
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	12.69	3.17	7.55	12.69	3.17	7.55	7.55
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	3.36	0.67	1.93	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	2.36	0.39	1.39	ND	ND	ND	0
n-Hexane	86.2	6	3.99	**0.67**	2.35	ND	ND	ND	0
Methylcyclopentane	84.2	6	2.91	0.49	1.67	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.85	0.26	1.09	ND	ND	ND	0
Benzene	78.1	6	44.81	7.47	23.91	44.81	7.47	23.91	23.91
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	1.50	0.21	0.88	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	7.54	1.08	4.42	7.54	1.08	4.42	4.42
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	8.01	1.00	4.69	8.01	1.00	4.69	4.69
Toluene	92.1	7	20.28	2.90	10.93	20.28	2.90	10.93	10.93
2-Methylheptane	114.2	8	2.83	0.35	1.66	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	9.81	1.23	5.74	9.81	1.23	5.74	5.74
Ethylbenzene	106.2	8	31.64	3.96	17.22	31.64	3.96	17.22	17.22

m,p-xylene	106.2	8	39.13	4.89	21.29	39.13	4.89	21.29	21.29
Styrene	104.2	8	2.86	0.36	1.53	ND	ND	ND	0
o-xylene	106.2	8	24.67	3.08	13.42	24.67	3.08	13.42	13.42
n-Nonane	128.3	9	20.23	2.25	11.82	20.23	2.25	11.82	11.82
i-Propylbenzene	120.2	9	14.51	1.61	7.94	14.51	1.61	7.94	7.94
n-propylbenzene	120.2	9	13.50	1.50	7.39	13.50	1.50	7.39	7.39
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	40.33	4.48	22.07	40.33	4.48	22.07	22.07
1,3,5-Trimethylbenzene	120.2	9	18.90	2.10	10.35	18.90	2.10	10.35	10.35
2-Ethyltoluene	120.2	9	14.53	1.61	7.95	14.53	1.61	7.95	7.95
1,2,4-Trimethylbenzene	120.2	9	74.86	8.32	40.98	74.86	8.32	40.98	40.98
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	9.57	0.96	5.26	9.57	0.96	5.26	5.26
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	512.44	85.4	301.7	512.44	85.41	301.72	301.72
Total Non-Methane Hydrocarbons-C1	16	1.0	512.44	512.4	336.0	512.44	512.44	336.03	336.03

SDG: **226144**
Laboratory Number: **09**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
38.48	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
11.70	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
7.55	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
23.91	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
4.42	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
4.69	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
10.93	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
5.74	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
17.22	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=		Y

21.29	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
13.42	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
11.82	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0		=	Y
7.94	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
7.39	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
22.07	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
10.35	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
7.95	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
40.98	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
5.26	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
301.72	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
336.03	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
62.4						62.38			
					4.0		3.96		
19.4						19.42			
		0.0				0.00			
					0.0		0.00		
12.7						12.69			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					3.4		3.36		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		2.4				2.36			
4.0						3.99			
				2.9					2.91
		1.8				1.85			
			44.8						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		1.5				1.50			
		0.0				0.00			
7.5						7.54			
				0.0					0.00
		8.0				8.01			
			20.3						
		2.8				2.83			
		0.0				0.00			
9.8						9.81			
			31.6						

		39.1							
		2.9							
		24.7							
20.2						20.23			
		14.5							
		13.5							
		0.0							
		40.3							
		18.9							
		14.5							
		74.9							
0.0						0.00			
		0.0							
		0.0							
		9.6							
0.0						0.00			
0.0						0.00			
136.1	16.6	349.6	2.9	7.3	0.0	152.6	7.3	0.0	2.9

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

44.81

20.28

31.64

39.13
2.86
24.67

14.51
13.50
0.00
40.33
18.90
14.53
74.86

0.00
0.00
9.57

0.0	0.0	0.0	0.0	349.6	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		09	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

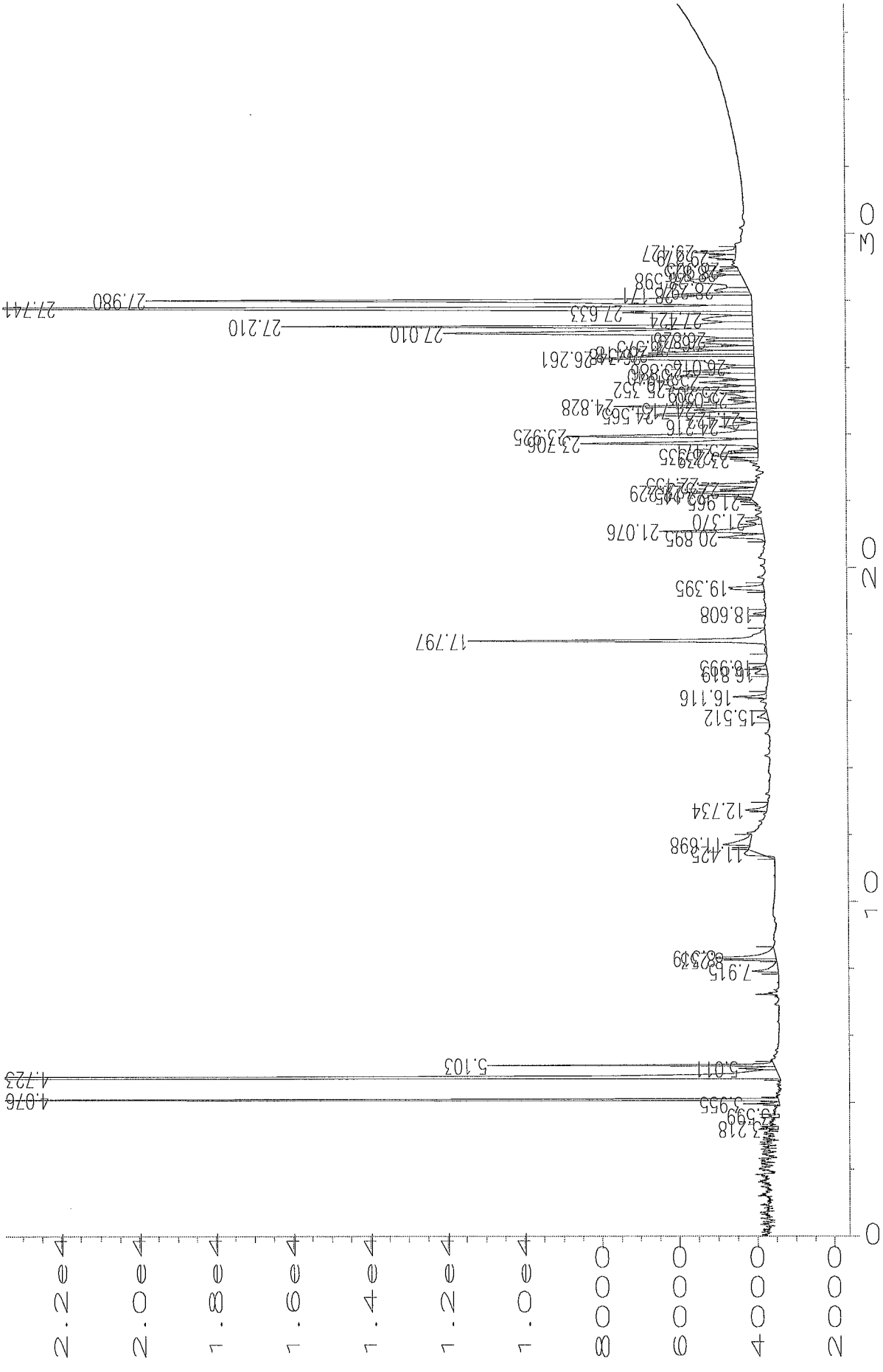
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.00E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.00E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.00E+04	48938	62.4	31.19	38.48
Propene	3	TRG	42.1	2.00E+04	3103	4.0	1.32	2.28
Propane	3	TRG	44.1	2.00E+04	15236	19.4	6.47	11.70
i-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.00E+04	9953	12.7	3.17	7.55
t-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.00E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.00E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.00E+04	2636	3.4	0.67	1.93
c-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.00E+04	1851	2.4	0.39	1.39
n-Hexane	6	TRG	86.2	2.00E+04	3133	4.0	0.67	2.35
Methylcyclopentane	6	TRG	84.2	2.00E+04	2284	2.9	0.49	1.67
2,4-Dimethylpentane	7	TRG	100.2	2.00E+04	1451	1.8	0.26	1.09
Benzene	6	TRG	78.1	2.00E+04	35153	44.8	7.47	23.91
Cyclohexane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.00E+04	1179	1.5	0.21	0.88
2,2,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.00E+04	5912	7.5	1.08	4.42
Methylcyclohexane	7	TRG	98.2	2.00E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.00E+04	6284	8.0	1.00	4.69
Toluene	7	TRG	92.1	2.00E+04	15905	20.3	2.90	10.93
2-Methylheptane	8	TRG	114.2	2.00E+04	2223	2.8	0.35	1.66
3-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.00E+04	7694	9.8	1.23	5.74
Ethylbenzene	8	TRG	106.2	2.00E+04	24823	31.6	3.96	17.22

m,p-xylene	8	TRG	106.2	2.00E+04	30696	39.1	4.89	21.29
Styrene	8	TRG	104.2	2.00E+04	2243	2.9	0.36	1.53
o-xylene	8	TRG	106.2	2.00E+04	19351	24.7	3.08	13.42
n-Nonane	9	TRG	128.3	2.00E+04	15867	20.2	2.25	11.82
i-Propylbenzene	9	TRG	120.2	2.00E+04	11384	14.5	1.61	7.94
n-propylbenzene	9	TRG	120.2	2.00E+04	10591	13.5	1.50	7.39
3-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.00E+04	31636	40.3	4.48	22.07
1,3,5-Trimethylbenzene	9	TRG	120.2	2.00E+04	14830	18.9	2.10	10.35
2-Ethyltoluene	9	TRG	120.2	2.00E+04	11399	14.5	1.61	7.95
1,2,4-Trimethylbenzene	9	TRG	120.2	2.00E+04	58728	74.9	8.32	40.98
n-Decane	10	TRG	142.3	2.00E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.00E+04	7506	9.6	0.96	5.26
Undecane	11	TRG	156.3	2.00E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.00E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.00E+04	401989	512.4	85.41	301.72
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.00E+04	401989	512.4	512.44	336.03

C:\HPCHEM\1\DATA\080046K\26144408A.D



Sample Data Packages

SDG Number **226144**

Lab Id Number **10**

Client ID T-110

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Canister: 800
QC_Batch: 080426-GCK

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 08/04/2026 **Time:** 17:36
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	29.34	2.47	7.40	36.20	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.45	2.41	7.23	6.24	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.01	2.30	6.90	2.32	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.11	2.36	7.07	3.92	J
110-54-3	n-Hexane	0.67	2.00	14.59	2.36	7.07	51.56	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.10	2.35	7.04	4.53	J
71-43-2	Benzene	0.67	2.00	0.87	2.13	6.40	2.79	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.81	2.19	6.57	3.98	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.46	2.19	6.57	2.28	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	34.44	26.50	79.49	121.68	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	206.66	29.51	88.52	135.51	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **10**
File Name: **2614410A** **B**
Sample ID: **T-110**
Sampled: **7/20/2026** Time: **12:05** Matrix **AA**
Received: **07/24/26** Time: **16:10** Chem **TRG**
Analyzed: **08/04/2026** Time: **17:36** MDL Fac: **1.0**
QCBatch: **080426-GCK** Unit Factor **1000** 1000 for ppb 1 for ppm
Can: **800** Hexane Area: **360303**
Can Factor: **1.00** Hexane Concentration: **18.05**
Volume: **200.0** Standard Volume: **1.00**
Type: **SA** Standard ID: **ST62344**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.95	**3.94**	1256	NA	NA	NA		
74-86-2	Acetylene	P	4.10	3.99			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.06**	46037	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.06**	1737	I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	**5.15**	8121	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.55**						137	351
106-98-9	1-Butene	P	7.29	7.24	**7.25**	3163	I	I	H	367	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.30**	2733	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.71	**8.71**		I	I	H	410	410
590-18-1	c-2-Butene	P	9.63	9.59						200	431
78-78-4	i-Pentane	P	11.37	11.33						200	473
109-67-1	1-Pentene	P	12.30	12.26	**12.20**		I	I	H	494	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75	**12.73**		I	I	H	508	510
627-20-3	c-2-Pentene	P	13.08	13.04						160	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73	**13.71**		I	I	H	535	537
287-92-3	Cyclopentane	P	14.88	14.84						160	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						160	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.01**	2819	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.50**	5223	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.10**	68693	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.79	**16.82**		I	I	H	622	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.98	**16.99**	6052	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.80**	**17.82**	4099	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.09	**18.26**		O	O	L	666	658
591-76-4	2-Methylhexane	P	18.38	18.33						111	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.40						111	671
589-34-4	3-Methylhexane	P	18.66	18.61	**18.61**		I	I	H	676	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.04	**19.11**		I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.36	**19.40**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.04						16	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.88	**20.90**		I	I	H	753	753
108-88-3	Toluene	P	21.12	**21.07**	**21.04**	940	I	I	H	758	758
592-27-8	2-Methylheptane	P	21.33	21.25	**21.37**		O	I	M	770	768
589-81-1	3-Methylheptane	p	21.55	21.47						16	775
111-65-9	n-Octane	P	22.27	22.19	**22.23**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.67	**23.71**		I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.87	**23.78**	2265	I	O	M	860	863
100-42-5	Styrene	P	24.40	24.32	**24.42**		I	I	H	884	881
95-47-6	o-xylene	P	24.57	24.49	**24.57**		I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.79	**24.83**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.28	**25.35**		I	I	H	922	919
103-65-1	n-propylbenzene	P	25.93	25.85	**25.89**		I	I	H	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.09						-139	957
622-96-8	4-Ethyltoluene	P	26.26	26.18	**26.26**		I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.37	**26.38**	5704	I	I	H	965	964
611-14-3	2-Ethyltoluene	P	26.61	26.53	**26.58**		I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.00	**27.01**	3273	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.18	**27.22**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.47						-31	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.02	**28.00**		I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.15	**28.17**		I	I	H	1036	1037
1120-21-4	Undecane	P	29.86	29.79	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.39	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**162115**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					162115		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					162115		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080426-GCK		
Hexane Std Area:	360303		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.60	0.80	0.92	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	58.69	29.34	36.20	58.69	29.34	36.20	36.20
Propene	42.1	3	2.21	0.74	1.27	ND	ND	ND	0
Propane	44.1	3	10.35	3.45	6.24	10.35	3.45	6.24	6.24
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	4.03	1.01	2.32	4.03	1.01	2.32	2.32
n-Butane	58.1	4	3.48	0.87	2.07	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	3.59	0.60	2.12	ND	ND	ND	0
3-Methylpentane	86.2	6	6.66	1.11	3.92	6.66	1.11	3.92	3.92
n-Hexane	86.2	6	87.57	**14.59**	51.56	87.57	14.59	51.56	51.56
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	7.71	1.10	4.53	7.71	1.10	4.53	4.53
Benzene	78.1	6	5.23	0.87	2.79	5.23	0.87	2.79	2.79
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	1.20	0.17	0.65	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	2.89	0.36	1.57	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	7.27	0.81	3.98	7.27	0.81	3.98	3.98
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	4.17	0.46	2.28	4.17	0.46	2.28	2.28
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	206.66	34.4	121.7	206.66	34.44	121.68	121.68
Total Non-Methane Hydrocarbons-C1	16	1.0	206.66	206.7	135.5	206.66	206.66	135.51	135.51

SDG: **226144**
Laboratory Number: **10**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
36.20	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
6.24	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.32	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
3.92	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
51.56	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
4.53	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
2.79	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.98	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
2.28	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
121.68	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
135.51	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.6		1.60		
					0.0			0.00	
58.7						58.69			
					2.2		2.21		
10.4						10.35			
		0.0				0.00			
					4.0		4.03		
3.5						3.48			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		3.6				3.59			
		6.7				6.66			
87.6						87.57			
				0.0					0.00
		7.7				7.71			
			5.2						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			1.2						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						

		2.9							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		7.3							
		0.0							
		4.2							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
160.1	18.0	20.8	0.0	7.8	0.0	178.1	7.8	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

5.23

1.20

0.00

2.89
0.00
0.00

0.00
0.00
0.00
0.00
7.27
0.00
4.17

0.00
0.00
0.00

0.0	0.0	0.0	0.0	20.8	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		10	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}} = \text{Cn}$

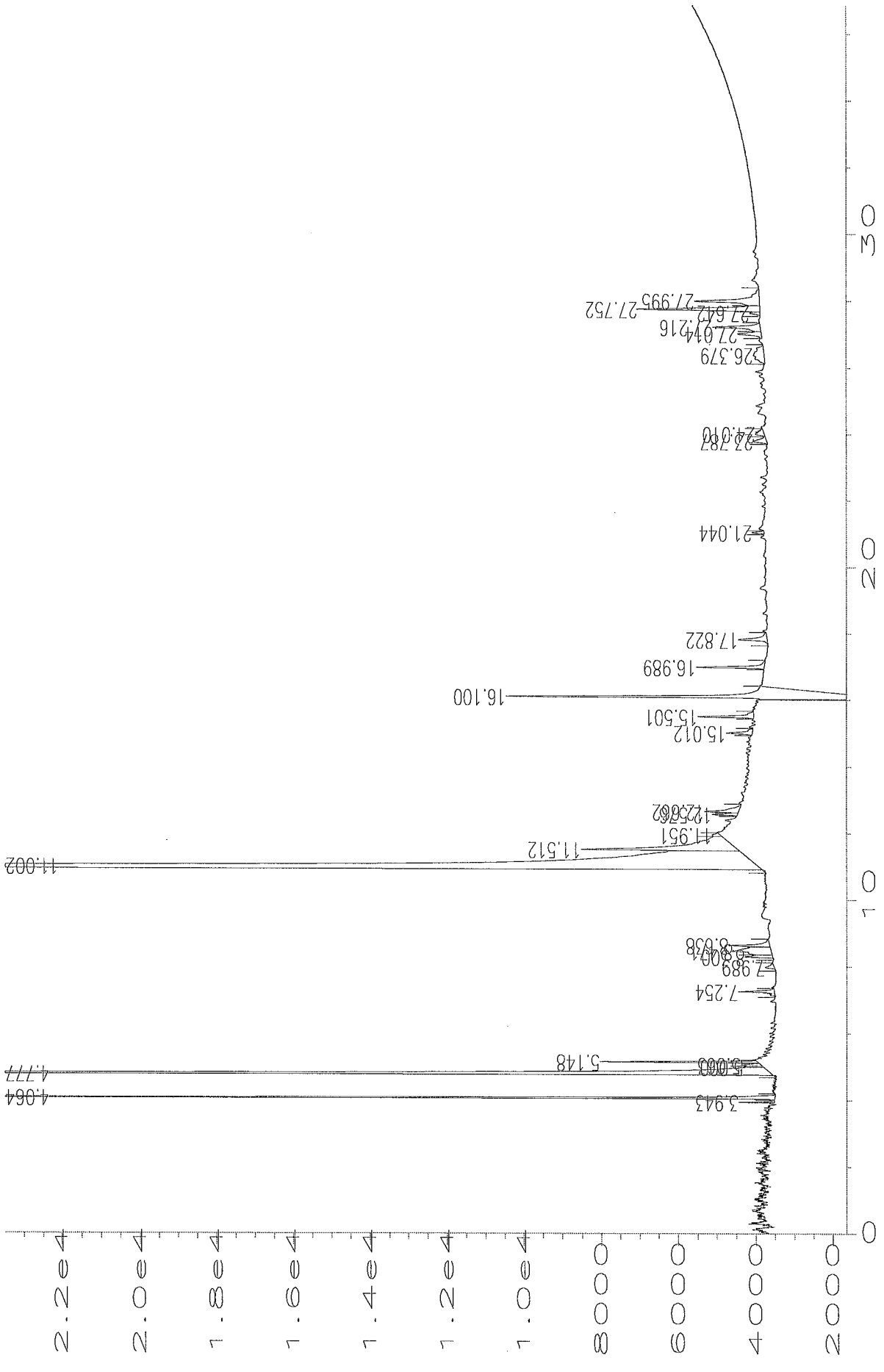
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.00E+04	1256	1.6	0.80	0.92
Acetylene	2	TRG	26.0	2.00E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.00E+04	46037	58.7	29.34	36.20
Propene	3	TRG	42.1	2.00E+04	1737	2.2	0.74	1.27
Propane	3	TRG	44.1	2.00E+04	8121	10.4	3.45	6.24
i-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.00E+04	3163	4.0	1.01	2.32
n-Butane	4	TRG	58.1	2.00E+04	2733	3.5	0.87	2.07
t-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.00E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.00E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.00E+04	2819	3.6	0.60	2.12
3-Methylpentane	6	TRG	86.2	2.00E+04	5223	6.7	1.11	3.92
n-Hexane	6	TRG	86.2	2.00E+04	68693	87.6	14.59	51.56
Methylcyclopentane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.00E+04	6052	7.7	1.10	4.53
Benzene	6	TRG	78.1	2.00E+04	4099	5.2	0.87	2.79
Cyclohexane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.00E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.00E+04	940	1.2	0.17	0.65
2-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.00E+04	2265	2.9	0.36	1.57
Styrene	8	TRG	104.2	2.00E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.00E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.00E+04	5704	7.3	0.81	3.98
2-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.00E+04	3273	4.2	0.46	2.28
n-Decane	10	TRG	142.3	2.00E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.00E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.00E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.00E+04	162115	206.7	34.44	121.68
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.00E+04	162115	206.7	206.66	135.51

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Sample Data Packages

SDG Number 226144

Lab Id Number 11

Client ID T-111

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Canister: 645
QC_Batch: 080526-GCK

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 08/05/2026 **Time:** 13:43
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.72	2.47	7.40	32.96	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.70	2.41	7.23	6.68	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.96	2.36	7.07	3.39	J
110-54-3	n-Hexane	0.67	2.00	1.18	2.36	7.07	4.16	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	15.23	26.50	79.49	53.82	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	91.41	29.51	88.52	59.94	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **11**
File Name: **2614411A** **B**
Sample ID: **T-111**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/05/2026**
QCBatch: **080526-GCK**
Can: **645**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:02** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **13:43** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **366079**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05	**4.00**	2023	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	41915	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.08**	2777	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.18**	8696	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.58**						136	351
106-98-9	1-Butene	P	7.29	7.27	**7.20**	931	I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**	2104	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74						199	410
590-18-1	c-2-Butene	P	9.63	9.62						199	431
78-78-4	i-Pentane	P	11.37	11.37						199	473
109-67-1	1-Pentene	P	12.30	12.30						199	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						158	510
627-20-3	c-2-Pentene	P	13.08	13.08						158	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						158	537
287-92-3	Cyclopentane	P	14.88	14.88						158	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						158	570
107-83-5	2-Methylpentane	P	15.08	15.08						158	571
96-14-0	3-Methylpentane	P	15.55	15.55	**15.56**	4510	I	I	H	585	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.12**	5537	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.81						110	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.00	**17.00**	1283	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.82**	**17.89**	0	I	I	H	654	651
110-82-7	Cyclohexane	P	18.14	18.16						110	658
591-76-4	2-Methylhexane	P	18.38	18.40						110	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						110	671
589-34-4	3-Methylhexane	P	18.66	18.68						110	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.05**	1931	I	I	H	757	758
592-27-8	2-Methylheptane	P	21.33	21.26						21	768
589-81-1	3-Methylheptane	p	21.55	21.48						21	775
111-65-9	n-Octane	P	22.27	22.20	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.68						-57	855
108-38-3	m,p-xylene	P	23.95	23.88						-57	863
100-42-5	Styrene	P	24.40	24.33						-57	881
95-47-6	o-xylene	P	24.57	24.50						-57	886
111-84-2	n-Nonane	P	24.87	24.80	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.29						-141	919
103-65-1	n-propylbenzene	P	25.93	25.86						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.10						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.19						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.38						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.54						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.01						-141	991
124-18-5	n-Decane	P	27.26	27.19	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.48						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.03						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.16						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**71707**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					71707		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					71707		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080526-GCK		
Hexane Std Area:	366079		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.58	1.29	1.48	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	53.43	26.72	32.96	53.43	26.72	32.96	32.96
Propene	42.1	3	3.54	1.18	2.04	ND	ND	ND	0
Propane	44.1	3	11.09	3.70	6.68	11.09	3.70	6.68	6.68
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	1.19	0.30	0.68	ND	ND	ND	0
n-Butane	58.1	4	2.68	0.67	1.60	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	5.75	0.96	3.39	5.75	0.96	3.39	3.39
n-Hexane	86.2	6	7.06	**1.18**	4.16	7.06	1.18	4.16	4.16
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.64	0.23	0.96	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	2.46	0.35	1.33	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	91.41	15.2	53.8	91.41	15.23	53.82	53.82
Total Non-Methane Hydrocarbons-C1	16	1.0	91.41	91.4	59.9	91.41	91.41	59.94	59.94

SDG: **226144**
Laboratory Number: **11**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
32.96	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
6.68	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
3.39	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
4.16	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
53.82	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
59.94	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.6		2.58		
					0.0			0.00	
53.4						53.43			
					3.5		3.54		
11.1						11.09			
		0.0				0.00			
					1.2		1.19		
2.7						2.68			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		5.7				5.75			
7.1						7.06			
				0.0					0.00
		1.6				1.64			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			2.5						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
74.3	7.4	2.5	0.0	7.3	0.0	81.6	7.3	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

2.46

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	2.5	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		11	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.03E+04	2023	2.6	1.29	1.48
Acetylene	2	TRG	26.0	2.03E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.03E+04	41915	53.4	26.72	32.96
Propene	3	TRG	42.1	2.03E+04	2777	3.5	1.18	2.04
Propane	3	TRG	44.1	2.03E+04	8696	11.1	3.70	6.68
i-Butane	4	TRG	58.1	2.03E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.03E+04	931	1.2	0.30	0.68
n-Butane	4	TRG	58.1	2.03E+04	2104	2.7	0.67	1.60
t-2-Butene	4	TRG	56.1	2.03E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.03E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.03E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.03E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.03E+04	4510	5.7	0.96	3.39
n-Hexane	6	TRG	86.2	2.03E+04	5537	7.1	1.18	4.16
Methylcyclopentane	6	TRG	84.2	2.03E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.03E+04	1283	1.6	0.23	0.96
Benzene	6	TRG	78.1	2.03E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.03E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.03E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.03E+04	1931	2.5	0.35	1.33
2-Methylheptane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.03E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.03E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.03E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.03E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.03E+04	0	0.0	0.00	0.00
I-Propylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.03E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.03E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.03E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.03E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.03E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.03E+04	71707	91.4	15.23	53.82
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.03E+04	71707	91.4	91.41	59.94

Sample Data Packages

SDG Number 226144

Lab Id Number 12

Client ID T-112

Analytical Method TO-12

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 12

File Name: 2614412B
Description: T-112
Canister: 663
QC_Batch: 083126-GCK

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 08/31/2026 **Time:** 12:02
Can Factor: 1.31
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	5.24	15.72	ND	6.03	18.10	ND	ND
74-86-2	Acetylene	5.24	15.72	ND	5.58	16.75	ND	ND
74-84-0	Ethane	5.24	15.72	77.53	6.46	19.39	95.65	
115-07-1	Propene	3.49	10.48	6.00	6.03	18.08	10.35	J
74-98-6	Propane	3.49	10.48	7.30	6.31	18.94	13.20	J
75-28-5	i-Butane	2.62	7.86	ND	6.24	18.72	ND	ND
106-98-9	1-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
106-97-8	n-Butane	2.62	7.86	ND	6.24	18.72	ND	ND
624-64-6	t-2-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
590-18-1	c-2-Butene	2.62	7.86	ND	6.02	18.07	ND	ND
78-78-4	i-Pentane	2.10	6.29	ND	6.20	18.61	ND	ND
109-67-1	1-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
109-66-0	n-Pentane	2.10	6.29	ND	6.19	18.58	ND	ND
646-04-8	t-2-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
627-20-3	c-2-Pentene	2.10	6.29	ND	6.02	18.07	ND	ND
75-83-2	2,2-Dimethylbutane	1.75	5.24	ND	6.17	18.51	ND	ND
287-92-3	Cyclopentane	2.10	6.29	ND	6.02	18.07	ND	ND
79-29-8	2,3-Dimethylbutane	1.75	5.24	ND	6.17	18.51	ND	ND
107-83-5	2-Methylpentane	1.75	5.24	ND	6.17	18.51	ND	ND
96-14-0	3-Methylpentane	1.75	5.24	ND	6.17	18.51	ND	ND
110-54-3	n-Hexane	1.75	5.24	ND	6.17	18.51	ND	ND
96-37-7	Methylcyclopentane	1.75	5.24	ND	6.03	18.08	ND	ND
108-08-7	2,4-Dimethylpentane	1.50	4.49	ND	6.15	18.44	ND	ND
71-43-2	Benzene	1.75	5.24	4.87	5.59	16.77	15.58	J
110-82-7	Cyclohexane	1.75	5.24	ND	6.03	18.08	ND	ND
591-76-4	2-Methylhexane	1.50	4.49	ND	6.15	18.44	ND	ND
565-59-3	2,3-Dimethylpentane	1.50	4.49	ND	6.15	18.44	ND	ND
589-34-4	3-Methylhexane	1.50	4.49	ND	6.15	18.44	ND	ND
540-84-1	2,2,4-Trimethylpentane	1.31	3.93	ND	6.13	18.39	ND	ND
142-82-5	n-Heptane	1.50	4.49	ND	6.15	18.44	ND	ND
108-87-2	Methylcyclohexane	1.50	4.49	ND	6.03	18.08	ND	ND
565-75-3	2,3,4-Trimethylpentane	1.31	3.93	ND	6.13	18.39	ND	ND
108-88-3	Toluene	1.50	4.49	4.17	5.65	16.95	15.75	J
592-27-8	2-Methylheptane	1.31	3.93	ND	6.13	18.39	ND	ND
589-81-1	3-Methylheptane	1.31	3.93	ND	6.13	18.39	ND	ND
111-65-9	n-Octane	1.31	3.93	ND	6.13	18.39	ND	ND
100-41-4	Ethylbenzene	1.31	3.93	2.04	5.70	17.11	8.88	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.31	3.93	2.11	5.70	17.11	9.19	J
100-42-5	Styrene	1.31	3.93	ND	5.59	16.78	ND	ND
95-47-6	o-xylene	1.31	3.93	1.68	5.70	17.11	7.30	J
111-84-2	n-Nonane	1.16	3.49	1.26	6.12	18.37	6.61	J
98-82-8	i-Propylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
103-65-1	n-propylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
620-14-4	3-Ethyltoluene	1.16	3.49	ND	5.74	17.21	ND	ND
622-96-8	4-Ethyltoluene	1.16	3.49	1.90	5.74	17.21	9.36	J
108-67-8	1,3,5-Trimethylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
611-14-3	2-Ethyltoluene	1.16	3.49	ND	5.74	17.21	ND	ND
95-63-6	1,2,4-Trimethylbenzene	1.16	3.49	4.43	5.74	17.21	21.84	
124-18-5	n-Decane	1.05	3.14	3.45	6.11	18.34	20.11	
526-73-8	1,2,3-Trimethylbenzene	1.16	3.49	ND	5.74	17.21	ND	ND
141-93-5	1,3-Diethylbenzene	1.05	3.14	ND	5.76	17.29	ND	ND
105-05-5	1,4-Diethylbenzene	1.05	3.14	ND	5.76	17.29	ND	ND
1120-21-4	Undecane	0.95	2.86	ND	6.10	18.31	ND	ND
112-40-3	Dodecane	0.87	2.62	ND	6.10	18.29	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	19.65	58.95	74.12	69.42	208.26	261.85	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	117.90	353.70	444.72	77.31	231.93	291.62	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 12
File Name: 2614412B B
Sample ID: T-112
Sampled: 7/20/2026
Received: 07/24/26
Analyzed: 08/31/2026
QCBatch: 083126-GCK
Can: 663
Can Factor: 1.31
Volume: 100.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 12:17 Matrix AA
Time: 16:10 Chem TRG
Time: 12:02 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 316715
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.11			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.15			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	4.22	46429	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.16**	5390	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	5.26	6558	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.66**						129	351
106-98-9	1-Butene	P	7.29	7.35	**7.23**	0	I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	8.33		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74						199	410
590-18-1	c-2-Butene	P	9.63	9.62						199	431
78-78-4	i-Pentane	P	11.37	11.37	**11.28**		I	I	H	471	473
109-67-1	1-Pentene	P	12.30	12.30						199	495
109-66-0	n-Pentane	P	12.48	**12.48**	12.48		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79	**12.86**	1121	I	I	H	510	510
627-20-3	c-2-Pentene	P	13.08	13.08						168	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						168	537
287-92-3	Cyclopentane	P	14.88	14.88						168	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						168	570
107-83-5	2-Methylpentane	P	15.08	15.08						168	571
96-14-0	3-Methylpentane	P	15.55	15.55	**15.62**	916	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.17**	16.24	1496	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.93						103	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.12						103	626
71-43-2	Benzene	P	17.87	**17.94**	17.93	8746	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.20						103	658
591-76-4	2-Methylhexane	P	18.38	18.44						103	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.51						103	671
589-34-4	3-Methylhexane	P	18.66	18.72						103	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.15	**19.11**	0	I	I	H	688	690
142-82-5	n-Heptane	P	19.41	19.47	19.51	1598	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.15						11	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.99	**21.00**	1463	I	I	H	753	753
108-88-3	Toluene	P	21.12	**21.18**	21.22	8746	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.43						11	768
589-81-1	3-Methylheptane	p	21.55	21.65						11	775
111-65-9	n-Octane	P	22.27	22.37	22.34	1906	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.85	**23.84**	4886	I	O	M	858	855
108-38-3	m,p-xylene	P	23.95	24.05	**24.06**	5060	I	I	H	866	863
100-42-5	Styrene	P	24.40	24.50						-59	881
95-47-6	o-xylene	P	24.57	24.67	**24.72**	4015	I	O	M	892	886
111-84-2	n-Nonane	P	24.87	24.97	**24.94**	3386	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.46	**25.48**	1964	I	O	M	923	919
103-65-1	n-propylbenzene	P	25.93	26.03	**25.99**		I	I	H	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.27						-152	957
622-96-8	4-Ethyltoluene	P	26.26	26.36	**26.38**	5119	I	I	H	961	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.55	**26.46**		I	I	H	964	964
611-14-3	2-Ethyltoluene	P	26.61	26.71	**26.68**	2083	I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.18	**27.11**	11948	I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.36	**27.31**	10324	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.65						-71	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.20						-71	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.33						-71	1037
1120-21-4	Undecane	P	29.86	29.87	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.47	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**133154**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					133154		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					133154		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	083126-GCK		
Hexane Std Area:	316715		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.31	MDL Factor	1
Air Volume:	100.00		
Combined Factor:	2.62		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	155.07	77.53	95.65	155.07	77.53	95.65	95.65
Propene	42.1	3	18.00	6.00	10.35	18.00	6.00	10.35	10.35
Propane	44.1	3	21.90	7.30	13.20	21.90	7.30	13.20	13.20
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	3.74	0.75	2.15	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	3.06	0.51	1.80	ND	ND	ND	0
n-Hexane	86.2	6	5.00	**0.83**	2.94	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	29.21	4.87	15.58	29.21	4.87	15.58	15.58
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	5.34	0.76	3.13	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	4.89	0.61	2.86	ND	ND	ND	0
Toluene	92.1	7	29.21	4.17	15.75	29.21	4.17	15.75	15.75
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	6.37	0.80	3.72	ND	ND	ND	0
Ethylbenzene	106.2	8	16.32	2.04	8.88	16.32	2.04	8.88	8.88

m,p-xylene	106.2	8	16.90	2.11	9.19	16.90	2.11	9.19	9.19
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	13.41	1.68	7.30	13.41	1.68	7.30	7.30
n-Nonane	128.3	9	11.31	1.26	6.61	11.31	1.26	6.61	6.61
i-Propylbenzene	120.2	9	6.56	0.73	3.59	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	17.10	1.90	9.36	17.10	1.90	9.36	9.36
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	6.96	0.77	3.81	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	39.90	4.43	21.84	39.90	4.43	21.84	21.84
n-Decane	142.3	10	34.48	3.45	20.11	34.48	3.45	20.11	20.11
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	444.72	74.1	261.8	444.72	74.12	261.85	261.85
Total Non-Methane Hydrocarbons-C1	16	1.0	444.72	444.7	291.6	444.72	444.72	291.62	291.62

SDG: **226144**
Laboratory Number: **12**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	5.24	6.03	10.48	15.72	18.10	31.4	U	ND		Y
	4.000	2.00	5.24	5.58	10.48	15.72	16.75	31.4	U	ND		Y
95.65	4.000	2.00	5.24	6.46	10.48	15.72	19.39	31.4		=		Y
10.35	4.000	1.33	3.49	6.03	10.48	10.48	18.08	31.4	J	=		Y
13.20	4.000	1.33	3.49	6.31	10.48	10.48	18.94	31.4	J	=		Y
	4.000	1.00	2.62	6.24	10.48	7.86	18.72	31.4	U	ND		Y
	4.000	1.00	2.62	6.02	10.48	7.86	18.07	31.4	U	ND		Y
	4.000	1.00	2.62	6.24	10.48	7.86	18.72	31.4	U	ND		Y
	4.000	1.00	2.62	6.02	10.48	7.86	18.07	31.4	U	ND		Y
	4.000	1.00	2.62	6.02	10.48	7.86	18.07	31.4	U	ND		Y
	4.000	0.80	2.10	6.20	10.48	6.29	18.61	31.4	U	ND		Y
	4.000	0.80	2.10	6.02	10.48	6.29	18.07	31.4	U	ND		Y
	4.000	0.80	2.10	6.19	10.48	6.29	18.58	31.4	U	ND		Y
	4.000	0.80	2.10	6.02	10.48	6.29	18.07	31.4	U	ND		Y
	4.000	0.80	2.10	6.02	10.48	6.29	18.07	31.4	U	ND		Y
	4.000	0.67	1.75	6.17	10.48	5.24	18.51	31.4	U	ND		Y
	4.000	0.80	2.10	6.02	10.48	6.29	18.07	31.4	U	ND		Y
	4.000	0.67	1.75	6.17	10.48	5.24	18.51	31.4	U	ND		Y
	4.000	0.67	1.75	6.17	10.48	5.24	18.51	31.4	U	ND		Y
	4.000	0.67	1.75	6.17	10.48	5.24	18.51	31.4	U	ND		Y
	4.000	0.67	1.75	6.17	10.48	5.24	18.51	31.4	U	ND		Y
	4.000	0.67	1.75	6.03	10.48	5.24	18.08	31.4	U	ND		Y
	4.000	0.57	1.50	6.15	10.48	4.49	18.44	31.4	U	ND		Y
15.58	4.000	0.67	1.75	5.59	10.48	5.24	16.77	31.4	J	=		Y
	4.000	0.67	1.75	6.03	10.48	5.24	18.08	31.4	U	ND		Y
	4.000	0.57	1.50	6.15	10.48	4.49	18.44	31.4	U	ND		Y
	4.000	0.57	1.50	6.15	10.48	4.49	18.44	31.4	U	ND		Y
	4.000	0.57	1.50	6.15	10.48	4.49	18.44	31.4	U	ND		Y
	4.000	0.50	1.31	6.13	10.48	3.93	18.39	31.4	U	ND		Y
	4.000	0.57	1.50	6.15	10.48	4.49	18.44	31.4	U	ND		Y
	4.000	0.57	1.50	6.03	10.48	4.49	18.08	31.4	U	ND		Y
	4.000	0.50	1.31	6.13	10.48	3.93	18.39	31.4	U	ND		Y
15.75	4.000	0.57	1.50	5.65	10.48	4.49	16.95	31.4	J	=		Y
	4.000	0.50	1.31	6.13	10.48	3.93	18.39	31.4	U	ND		Y
	4.000	0.50	1.31	6.13	10.48	3.93	18.39	31.4	U	ND		Y
	4.000	0.50	1.31	6.13	10.48	3.93	18.39	31.4	U	ND		Y
8.88	4.000	0.50	1.31	5.70	10.48	3.93	17.11	31.4	J	=		Y

9.19	4.000	0.50	1.31	5.70	10.48	3.93	17.11	31.4	J	=	Y
	4.000	0.50	1.31	5.59	10.48	3.93	16.78	31.4	U	ND	Y
7.30	4.000	0.50	1.31	5.70	10.48	3.93	17.11	31.4	J	=	Y
6.61	4.000	0.44	1.16	6.12	10.48	3.49	18.37	31.4	J	=	Y
	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4	U	ND	Y
	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4	U	ND	Y
	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4	U	ND	Y
9.36	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4	J	=	Y
	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4	U	ND	Y
	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4	U	ND	Y
21.84	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4		=	Y
20.11	4.000	0.40	1.05	6.11	10.48	3.14	18.34	31.4		=	Y
	4.000	0.44	1.16	5.74	10.48	3.49	17.21	31.4	U	ND	Y
	4.000	0.40	1.05	5.76	10.48	3.14	17.29	31.4	U	ND	Y
	4.000	0.40	1.05	5.76	10.48	3.14	17.29	31.4	U	ND	Y
	4.000	0.36	0.95	6.10	10.48	2.86	18.31	31.4	U	ND	Y
	4.000	0.33	0.87	6.10	10.48	2.62	18.29	31.4	U	ND	Y
											Y
261.85	45.00	7.5	19.65	69.42	117.90	59.0	208.3	353.7		=	Y
291.62	45.00	45.0	117.90	77.31	117.90	353.7	231.9	353.7		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
155.1						155.07			
					18.0		18.00		
21.9						21.90			
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					3.7		3.74		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		3.1				3.06			
5.0						5.00			
				0.0					0.00
		0.0				0.00			
			29.2						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
5.3						5.34			
				0.0					0.00
		4.9				4.89			
			29.2						
		0.0				0.00			
		0.0				0.00			
6.4						6.37			
			16.3						

		16.9							
		0.0							
		13.4							
11.3						11.31			
		6.6							
		0.0							
		0.0							
		17.1							
		0.0							
		7.0							
		39.9							
34.5						34.48			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
239.5	7.9	175.6	0.0	21.7	0.0	247.4	21.7	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

29.21

29.21

16.32

16.90
0.00
13.41

6.56
0.00
0.00
17.10
0.00
6.96
39.90

0.00
0.00
0.00

0.0	0.0	0.0	0.0	175.6	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		12	
Standard Volume	STV	1.0	
Sample Volume	SV	100	
Can Dilution Factor	CDF	1.31	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

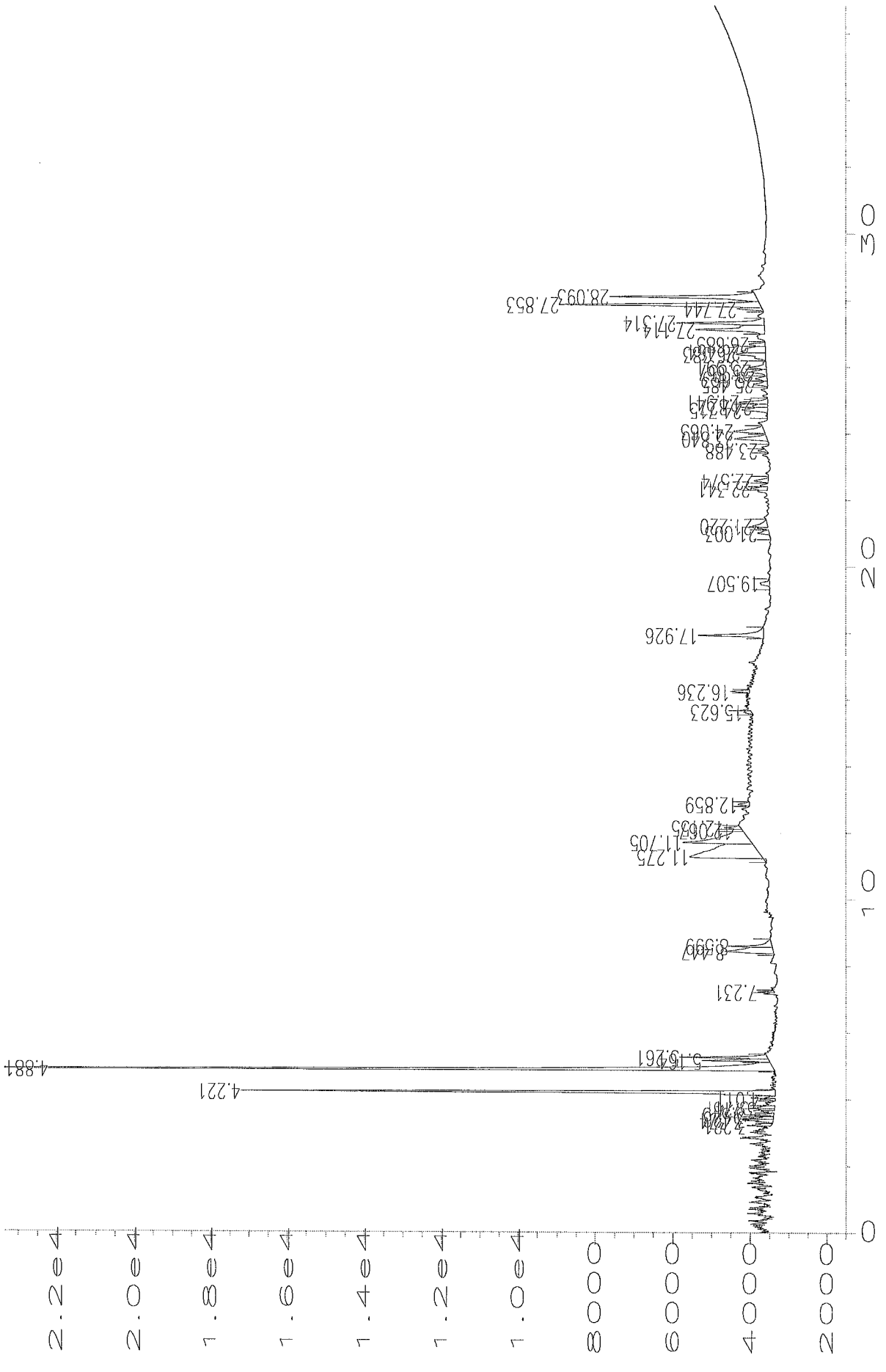
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	46429	155.1	77.53	95.65
Propene	3	TRG	42.1	1.75E+04	5390	18.0	6.00	10.35
Propane	3	TRG	44.1	1.75E+04	6558	21.9	7.30	13.20
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.75E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.75E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.75E+04	1121	3.7	0.75	2.15
c-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.75E+04	916	3.1	0.51	1.80
n-Hexane	6	TRG	86.2	1.75E+04	1496	5.0	0.83	2.94
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.75E+04	8746	29.2	4.87	15.58
Cyclohexane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.75E+04	1598	5.3	0.76	3.13
Methylcyclohexane	7	TRG	98.2	1.75E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	1463	4.9	0.61	2.86
Toluene	7	TRG	92.1	1.75E+04	8746	29.2	4.17	15.75
2-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.75E+04	1906	6.4	0.80	3.72
Ethylbenzene	8	TRG	106.2	1.75E+04	4886	16.3	2.04	8.88

m,p-xylene	8	TRG	106.2	1.75E+04	5060	16.9	2.11	9.19
Styrene	8	TRG	104.2	1.75E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.75E+04	4015	13.4	1.68	7.30
n-Nonane	9	TRG	128.3	1.75E+04	3386	11.3	1.26	6.61
i-Propylbenzene	9	TRG	120.2	1.75E+04	1964	6.6	0.73	3.59
n-propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.75E+04	5119	17.1	1.90	9.36
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.75E+04	2083	7.0	0.77	3.81
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	11948	39.9	4.43	21.84
n-Decane	10	TRG	142.3	1.75E+04	10324	34.5	3.45	20.11
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.75E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	133154	444.7	74.12	261.85
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	133154	444.7	444.72	291.62

C:\HPCHEM\1\DATA\083116K\26144412A.D



Sample Data Packages

SDG Number 226144

Lab Id Number 13

Client ID T-113

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Canister: 859
QC_Batch: 080526-GCK

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 08/05/2026 **Time:** 16:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	37.69	2.47	7.40	46.49	
115-07-1	Propene	1.33	4.00	1.56	2.30	6.90	2.69	J
74-98-6	Propane	1.33	4.00	8.25	2.41	7.23	14.91	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.01	2.30	6.90	2.32	J
106-97-8	n-Butane	1.00	3.00	5.35	2.38	7.14	12.75	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	7.47	2.13	6.40	23.91	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.15	2.34	7.02	5.40	J
108-88-3	Toluene	0.57	1.71	3.21	2.16	6.47	12.13	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.31	2.34	7.02	6.13	J
100-41-4	Ethylbenzene	0.50	1.50	4.21	2.18	6.53	18.31	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	5.29	2.18	6.53	23.03	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	3.22	2.18	6.53	14.01	
111-84-2	n-Nonane	0.44	1.33	2.32	2.34	7.01	12.20	
98-82-8	i-Propylbenzene	0.44	1.33	1.54	2.19	6.57	7.59	
103-65-1	n-propylbenzene	0.44	1.33	1.48	2.19	6.57	7.27	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	3.93	2.19	6.57	19.38	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	1.35	2.19	6.57	6.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	7.42	2.19	6.57	36.55	
124-18-5	n-Decane	0.40	1.20	5.16	2.33	7.00	30.08	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	91.88	26.50	79.49	324.58	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	551.27	29.51	88.52	361.49	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **13**
File Name: **2614413A** **B**
Sample ID: **T-113**
Sampled: **7/20/2026**
Received: **07/24/26**
Analyzed: **08/05/2026**
QCBatch: **080526-GCK**
Can: **859**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:11** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **16:49** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **366079**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.00	**3.99**	1485	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.04			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.11**	59127	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.04**	3669	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.13**	19415	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.53**						136	351
106-98-9	1-Butene	P	7.29	7.22	**7.25**	3163	I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.26**	16799	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.67						204	410
590-18-1	c-2-Butene	P	9.63	9.55						204	431
78-78-4	i-Pentane	P	11.37	11.37	**11.22**		O	I	M	470	473
109-67-1	1-Pentene	P	12.30	12.30						204	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79	**12.73**	2776	I	O	M	507	510
627-20-3	c-2-Pentene	P	13.08	13.08						157	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						157	537
287-92-3	Cyclopentane	P	14.88	14.88						157	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						157	570
107-83-5	2-Methylpentane	P	15.08	15.08	**15.03**		I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.55	**15.51**	1262	I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.11**	2307	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.80	**16.87**	1259	I	I	H	623	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.99	**16.99**	1212	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.81**	**17.79**	35162	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.06						101	658
591-76-4	2-Methylhexane	P	18.38	18.30						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.37						101	671
589-34-4	3-Methylhexane	P	18.66	18.58	**18.60**	1313	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.01	**19.11**		I	I	H	693	690
142-82-5	n-Heptane	P	19.41	19.33	**19.35**	2743	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.01						27	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.85	**20.89**	7235	I	I	H	754	753
108-88-3	Toluene	P	21.12	**21.04**	**21.06**	17652	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.27						27	768
589-81-1	3-Methylheptane	p	21.55	21.49						27	775
111-65-9	n-Octane	P	22.27	22.21	**22.22**	8214	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.69	**23.70**	26407	I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.89	**23.92**	33208	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.34						-55	881
95-47-6	o-xylene	P	24.57	24.51	**24.55**	20200	I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.81	**24.82**	16385	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.30	**25.34**	10876	I	I	H	922	919
103-65-1	n-propylbenzene	P	25.93	25.87	**25.87**	10417	I	I	H	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.11						-143	957
622-96-8	4-Ethyltoluene	P	26.26	26.20	**26.25**	27778	I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.39	**26.41**		I	I	H	967	964
611-14-3	2-Ethyltoluene	P	26.61	26.55	**26.56**	9538	I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.02	**27.00**	52387	I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.20	**27.20**	40457	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.49	**27.41**		I	O	M	1008	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.04	**27.97**		I	O	M	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.17	**28.16**		I	I	H	1036	1037
1120-21-4	Undecane	P	29.86	29.82	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.42	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**432446**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					432446		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					432446		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080526-GCK		
Hexane Std Area:	366079		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.89	0.95	1.09	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	75.37	37.69	46.49	75.37	37.69	46.49	46.49
Propene	42.1	3	4.68	1.56	2.69	4.68	1.56	2.69	2.69
Propane	44.1	3	24.75	8.25	14.91	24.75	8.25	14.91	14.91
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	4.03	1.01	2.32	4.03	1.01	2.32	2.32
n-Butane	58.1	4	21.41	5.35	12.75	21.41	5.35	12.75	12.75
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	3.54	0.71	2.03	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	1.61	0.27	0.95	ND	ND	ND	0
n-Hexane	86.2	6	2.94	**0.49**	1.73	ND	ND	ND	0
Methylcyclopentane	84.2	6	1.60	0.27	0.92	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.55	0.22	0.91	ND	ND	ND	0
Benzene	78.1	6	44.82	7.47	23.91	44.82	7.47	23.91	23.91
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	1.67	0.24	0.98	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	3.50	0.50	2.05	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	9.22	1.15	5.40	9.22	1.15	5.40	5.40
Toluene	92.1	7	22.50	3.21	12.13	22.50	3.21	12.13	12.13
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	10.47	1.31	6.13	10.47	1.31	6.13	6.13
Ethylbenzene	106.2	8	33.66	4.21	18.31	33.66	4.21	18.31	18.31

m,p-xylene	106.2	8	42.33	5.29	23.03	42.33	5.29	23.03	23.03
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	25.75	3.22	14.01	25.75	3.22	14.01	14.01
n-Nonane	128.3	9	20.89	2.32	12.20	20.89	2.32	12.20	12.20
i-Propylbenzene	120.2	9	13.86	1.54	7.59	13.86	1.54	7.59	7.59
n-propylbenzene	120.2	9	13.28	1.48	7.27	13.28	1.48	7.27	7.27
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	35.41	3.93	19.38	35.41	3.93	19.38	19.38
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	12.16	1.35	6.66	12.16	1.35	6.66	6.66
1,2,4-Trimethylbenzene	120.2	9	66.78	7.42	36.55	66.78	7.42	36.55	36.55
n-Decane	142.3	10	51.57	5.16	30.08	51.57	5.16	30.08	30.08
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	551.27	91.9	324.6	551.27	91.88	324.58	324.58
Total Non-Methane Hydrocarbons-C1	16	1.0	551.27	551.3	361.5	551.27	551.27	361.49	361.49

SDG: **226144**
Laboratory Number: **13**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
46.49	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
2.69	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
14.91	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.32	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
12.75	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
23.91	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
5.40	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
12.13	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
6.13	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
18.31	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=		Y

23.03	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
14.01	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
12.20	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0		=	Y
7.59	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
7.27	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
19.38	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
6.66	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
36.55	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
30.08	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
324.58	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
361.49	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.9		1.89		
					0.0			0.00	
75.4						75.37			
					4.7		4.68		
24.7						24.75			
	0.0					0.00			
					4.0		4.03		
21.4						21.41			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					3.5		3.54		
					0.0		0.00		
	0.0					0.00			
				0.0					0.00
	0.0					0.00			
	0.0					0.00			
	1.6					1.61			
2.9						2.94			
				1.6					1.60
	1.5					1.55			
			44.8						
				0.0		0.00			
	0.0					0.00			
	0.0					0.00			
	1.7					1.67			
	0.0					0.00			
3.5						3.50			
				0.0					0.00
	9.2					9.22			
			22.5						
	0.0					0.00			
	0.0					0.00			
10.5						10.47			
			33.7						

		42.3							
		0.0							
		25.8							
20.9						20.89			
		13.9							
		13.3							
		0.0							
		35.4							
		0.0							
		12.2							
		66.8							
51.6						51.57			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
210.9	14.1	310.6	1.6	14.1	0.0	225.0	14.1	0.0	1.6

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

44.82

22.50

33.66

				42.33	
				0.00	
				25.75	
				13.86	
				13.28	
				0.00	
				35.41	
				0.00	
				12.16	
				66.78	
				0.00	
				0.00	
				0.00	
0.0	0.0	0.0	0.0	310.6	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		13	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdnl)}{(Cstdnl)}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{(\text{Avg RFn}) \times \text{SV}}$ = **Cn**

3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \times \text{MW})}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.03E+04	1485	1.9	0.95	1.09
Acetylene	2	TRG	26.0	2.03E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.03E+04	59127	75.4	37.69	46.49
Propene	3	TRG	42.1	2.03E+04	3669	4.7	1.56	2.69
Propane	3	TRG	44.1	2.03E+04	19415	24.7	8.25	14.91
i-Butane	4	TRG	58.1	2.03E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.03E+04	3163	4.0	1.01	2.32
n-Butane	4	TRG	58.1	2.03E+04	16799	21.4	5.35	12.75
t-2-Butene	4	TRG	56.1	2.03E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.03E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.03E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.03E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.03E+04	2776	3.5	0.71	2.03
c-2-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.03E+04	1262	1.6	0.27	0.95
n-Hexane	6	TRG	86.2	2.03E+04	2307	2.9	0.49	1.73
Methylcyclopentane	6	TRG	84.2	2.03E+04	1259	1.6	0.27	0.92
2,4-Dimethylpentane	7	TRG	100.2	2.03E+04	1212	1.5	0.22	0.91
Benzene	6	TRG	78.1	2.03E+04	35162	44.8	7.47	23.91
Cyclohexane	6	TRG	84.2	2.03E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.03E+04	1313	1.7	0.24	0.98
2,2,4-Trimethylpentane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.03E+04	2743	3.5	0.50	2.05
Methylcyclohexane	7	TRG	98.2	2.03E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.03E+04	7235	9.2	1.15	5.40
Toluene	7	TRG	92.1	2.03E+04	17652	22.5	3.21	12.13
2-Methylheptane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.03E+04	8214	10.5	1.31	6.13
Ethylbenzene	8	TRG	106.2	2.03E+04	26407	33.7	4.21	18.31

m,p-xylene	8	TRG	106.2	2.03E+04	33208	42.3	5.29	23.03
Styrene	8	TRG	104.2	2.03E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.03E+04	20200	25.8	3.22	14.01
n-Nonane	9	TRG	128.3	2.03E+04	16385	20.9	2.32	12.20
i-Propylbenzene	9	TRG	120.2	2.03E+04	10876	13.9	1.54	7.59
n-propylbenzene	9	TRG	120.2	2.03E+04	10417	13.3	1.48	7.27
3-Ethyltoluene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.03E+04	27778	35.4	3.93	19.38
1,3,5-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.03E+04	9538	12.2	1.35	6.66
1,2,4-Trimethylbenzene	9	TRG	120.2	2.03E+04	52387	66.8	7.42	36.55
n-Decane	10	TRG	142.3	2.03E+04	40457	51.6	5.16	30.08
1,2,3-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.03E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.03E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.03E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.03E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.03E+04	432446	551.3	91.88	324.58
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.03E+04	432446	551.3	551.27	361.49

Sample Data Packages

SDG Number **226144**

Lab Id Number **14**

Client ID T-114

Analytical Method TO-12

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Canister: 529
QC_Batch: 073126-GCK

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 07/31/26 **Time:** 18:31
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **14**
File Name: **2614414A** **C**
Sample ID: **T-114**
Sampled: **7/20/2026**
Received: **07/24/26** Time: **12:51**
Analyzed: **07/31/26** Time: **16:10**
QCBatch: **073126-GCK** Time: **18:31**
Can: **529**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Matrix **AA**
Chem **TRG**
MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **342823**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**0**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	073126-GCK		
Hexane Std Area:	342823		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

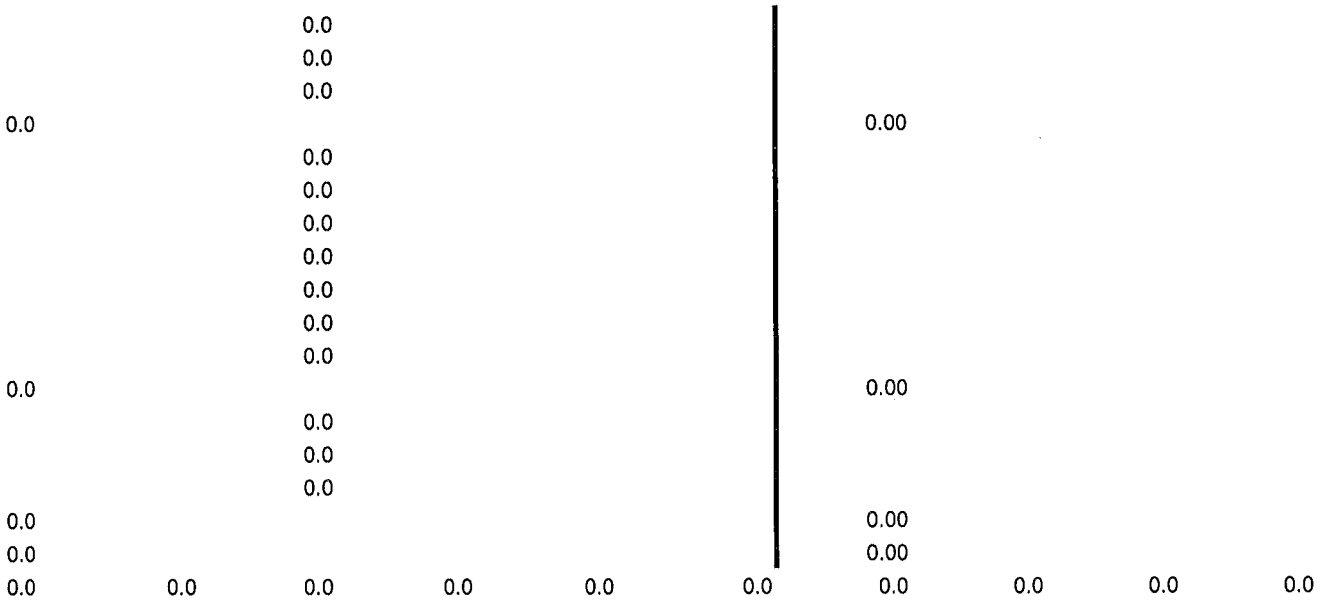
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **14**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		14	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdnl) / (Cstdnl) i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

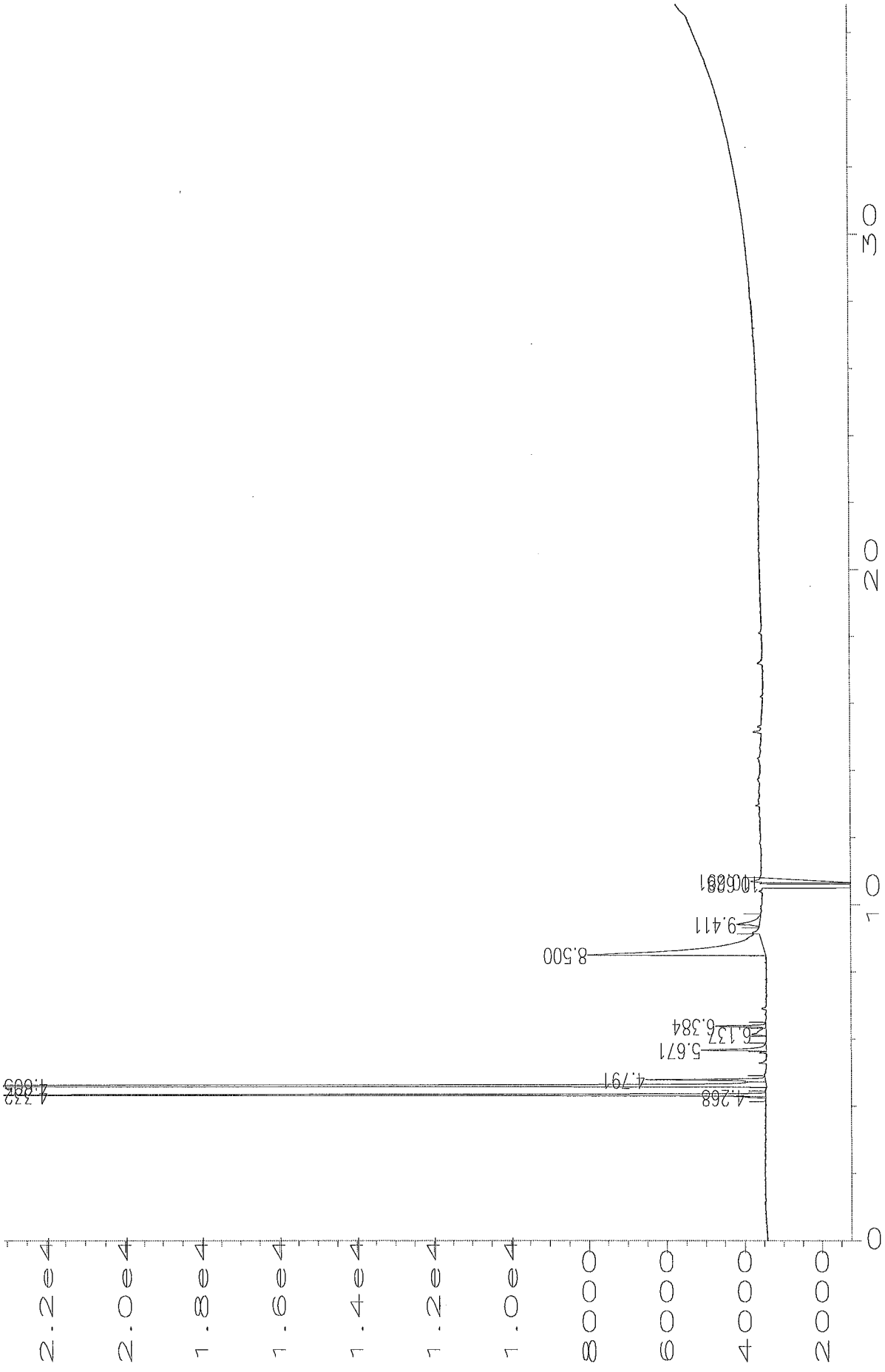
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.90E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.90E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.90E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.90E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.90E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.90E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.90E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.90E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.90E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.90E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.90E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.90E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.90E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.90E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.90E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.90E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.90E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.90E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.90E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.90E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.90E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.90E+04	0	0.0	0.00	0.00

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Sample Data Packages

SDG Number 226144

Lab Id Number 15

Client ID T-201

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Canister: 653
QC_Batch: 082526-GCK

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 08/25/2026 **Time:** 18:47
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.56	2.30	6.91	2.95	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	29.49	2.47	7.40	36.38	
115-07-1	Propene	1.33	4.00	3.07	2.30	6.90	5.30	J
74-98-6	Propane	1.33	4.00	3.75	2.41	7.23	6.77	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.20	2.38	7.14	2.85	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.07	2.36	7.07	14.39	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	4.49	2.35	7.04	18.46	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.57	2.16	6.47	2.16	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	8.41	2.34	7.02	39.36	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.01	2.18	6.53	4.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.06	2.19	6.57	5.22	J
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	1.22	2.19	6.57	6.03	J
622-96-8	4-Ethyltoluene	0.44	1.33	0.54	2.19	6.57	2.65	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.63	2.19	6.57	3.13	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	2.77	2.19	6.57	13.63	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.61	2.19	6.57	3.02	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.06	2.20	6.60	5.82	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.51	2.20	6.60	2.78	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	52.37	26.50	79.49	185.00	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	314.20	29.51	88.52	206.03	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **15**
File Name: **2614415A** **B**
Sample ID: **T-201**
Sampled: **7/21/2026** Time: **9:16** Matrix **AA**
Received: **07/24/26** Time: **16:10** Chem **TRG**
Analyzed: **08/25/2026** Time: **18:47** MDL Fac: **1.0**
QCBatch: **082526-GCK** Unit Factor **1000** 1000 for ppb 1 for ppm
Can: **653** Hexane Area: **326537**
Can Factor: **1.00** Hexane Concentration: **18.05**
Volume: **200.0** Standard Volume: **1.00**
Type: **SA** Standard ID: **ST62344**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.08	**4.07**	4024	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.12			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.19**	46275	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.15**	7235	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.25**	8815	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.65**						133	351
106-98-9	1-Butene	P	7.29	7.34	**7.23**	3001	I	O	M	363	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.40**	3753	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.81						194	410
590-18-1	c-2-Butene	P	9.63	9.69						194	431
78-78-4	i-Pentane	P	11.37	11.37						194	473
109-67-1	1-Pentene	P	12.30	12.30		0				194	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						167	510
627-20-3	c-2-Pentene	P	13.08	13.08						167	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						167	537
287-92-3	Cyclopentane	P	14.88	14.88						167	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						167	570
107-83-5	2-Methylpentane	P	15.08	15.08						167	571
96-14-0	3-Methylpentane	P	15.55	15.55	**15.60**	19170	I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.22**	2388	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.91						99	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.10						99	626
71-43-2	Benzene	P	17.87	**17.92**	**17.92**	2883	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.19						99	658
591-76-4	2-Methylhexane	P	18.38	18.43	**18.49**	24678	I	I	H	670	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.50						99	671
589-34-4	3-Methylhexane	P	18.66	18.71						99	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.14	**19.11**	0	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.46	**19.46**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.14						20	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.98						20	753
108-88-3	Toluene	P	21.12	**21.17**	**21.17**	3144	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.38						20	768
589-81-1	3-Methylheptane	p	21.55	21.60	**21.51**	52776	I	O	M	772	775
111-65-9	n-Octane	P	22.27	22.32	**22.32**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.80	**23.88**	1445	I	O	M	860	855
108-38-3	m,p-xylene	P	23.95	24.00						-58	863
100-42-5	Styrene	P	24.40	24.45						-58	881
95-47-6	o-xylene	P	24.57	24.62	**24.58**	6369	I	I	H	887	886
111-84-2	n-Nonane	P	24.87	24.92	**24.92**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.41	**25.39**	7485	I	I	H	920	919
103-65-1	n-propylbenzene	P	25.93	25.98	**25.98**		I	I	H	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.22	**26.20**	8637	I	O	M	954	957
622-96-8	4-Ethyltoluene	P	26.26	26.31	**26.40**	3799	I	I	H	962	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.50	**26.48**	4481	I	I	H	965	964
611-14-3	2-Ethyltoluene	P	26.61	26.66	**26.72**		I	I	H	975	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.13	**27.09**	19527	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.31	**27.31**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.60	**27.53**	4322	I	O	M	1009	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.15	**28.18**	8297	I	I	H	1034	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.28	**28.29**	3970	I	I	H	1038	1037
1120-21-4	Undecane	P	29.86	29.89	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.49	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**246474**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					246474		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					246474		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082526-GCK		
Hexane Std Area:	326537		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	5.13	2.56	2.95	5.13	2.56	2.95	2.95
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	58.99	29.49	36.38	58.99	29.49	36.38	36.38
Propene	42.1	3	9.22	3.07	5.30	9.22	3.07	5.30	5.30
Propane	44.1	3	11.24	3.75	6.77	11.24	3.75	6.77	6.77
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	3.83	0.96	2.20	ND	ND	ND	0
n-Butane	58.1	4	4.78	1.20	2.85	4.78	1.20	2.85	2.85
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	24.44	4.07	14.39	24.44	4.07	14.39	14.39
n-Hexane	86.2	6	3.04	**0.51**	1.79	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	3.68	0.61	1.96	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	31.46	4.49	18.46	31.46	4.49	18.46	18.46
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	4.01	0.57	2.16	4.01	0.57	2.16	2.16
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	67.28	8.41	39.36	67.28	8.41	39.36	39.36
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	1.84	0.23	1.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	8.12	1.01	4.42	8.12	1.01	4.42	4.42
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	9.54	1.06	5.22	9.54	1.06	5.22	5.22
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	11.01	1.22	6.03	11.01	1.22	6.03	6.03
4-Ethyltoluene	120.2	9	4.84	0.54	2.65	4.84	0.54	2.65	2.65
1,3,5-Trimethylbenzene	120.2	9	5.71	0.63	3.13	5.71	0.63	3.13	3.13
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	24.89	2.77	13.63	24.89	2.77	13.63	13.63
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	5.51	0.61	3.02	5.51	0.61	3.02	3.02
1,3-Diethylbenzene	134.2	10	10.58	1.06	5.82	10.58	1.06	5.82	5.82
1,4-Diethylbenzene	134.2	10	5.06	0.51	2.78	5.06	0.51	2.78	2.78
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	314.20	52.4	185.0	314.20	52.37	185.00	185.00
Total Non-Methane Hydrocarbons-C1	16	1.0	314.20	314.2	206.0	314.20	314.20	206.03	206.03

SDG: **226144**
Laboratory Number: **15**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
2.95	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	J	=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
36.38	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
5.30	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
6.77	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
2.85	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
14.39	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
18.46	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
2.16	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
39.36	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.42	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
5.22	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
6.03	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
2.65	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
3.13	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
13.63	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
3.02	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
5.82	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
2.78	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
185.00	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
206.03	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					5.1		5.13		
					0.0			0.00	
59.0						58.99			
					9.2		9.22		
11.2						11.24			
		0.0				0.00			
					3.8		3.83		
4.8						4.78			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		24.4				24.44			
3.0						3.04			
				0.0					0.00
		0.0				0.00			
			3.7						
				0.0		0.00			
		31.5				31.46			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			4.0						
		0.0				0.00			
		67.3				67.28			
0.0						0.00			
			1.8						

		0.0							
		0.0							
		8.1							
0.0						0.00			
		9.5							
		0.0							
		11.0							
		4.8							
		5.7							
		0.0							
		24.9							
0.0						0.00			
		5.5							
		10.6							
		5.1							
0.0						0.00			
0.0						0.00			
78.1	123.2	94.8	0.0	18.2	0.0	201.2	18.2	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

3.68

4.01

1.84

0.00
0.00
8.12

9.54
0.00
11.01
4.84
5.71
0.00
24.89

5.51
10.58
5.06

0.0	0.0	0.0	0.0	94.8	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		15	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

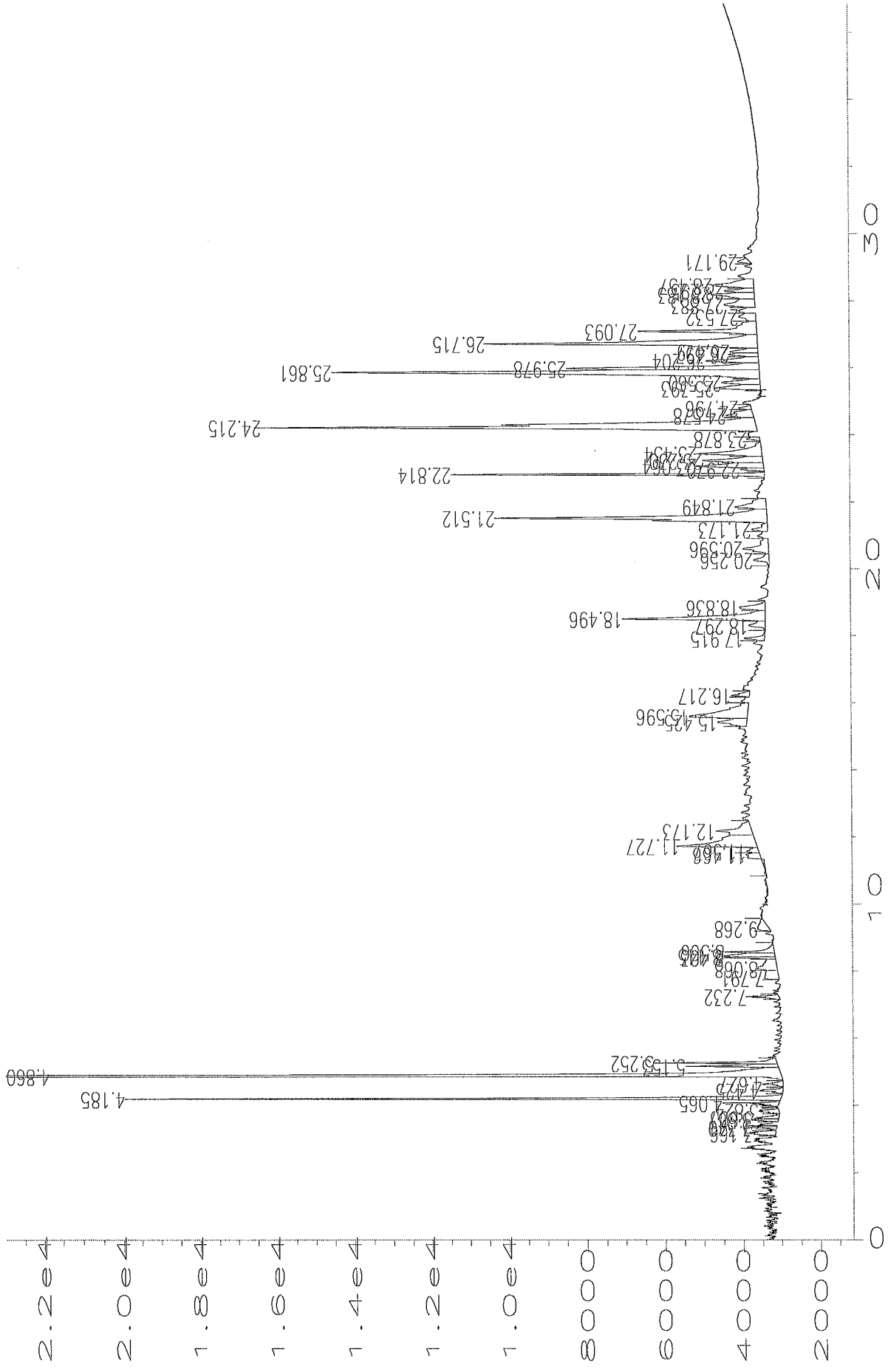
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.81E+04	4024	5.1	2.56	2.95
Acetylene	2	TRG	26.0	1.81E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.81E+04	46275	59.0	29.49	36.38
Propene	3	TRG	42.1	1.81E+04	7235	9.2	3.07	5.30
Propane	3	TRG	44.1	1.81E+04	8815	11.2	3.75	6.77
i-Butane	4	TRG	58.1	1.81E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.81E+04	3001	3.8	0.96	2.20
n-Butane	4	TRG	58.1	1.81E+04	3753	4.8	1.20	2.85
t-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.81E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.81E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.81E+04	19170	24.4	4.07	14.39
n-Hexane	6	TRG	86.2	1.81E+04	2388	3.0	0.51	1.79
Methylcyclopentane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.81E+04	2883	3.7	0.61	1.96
Cyclohexane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.81E+04	24678	31.5	4.49	18.46
2,3-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.81E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.81E+04	3144	4.0	0.57	2.16
2-Methylheptane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.81E+04	52776	67.3	8.41	39.36
n-Octane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.81E+04	1445	1.8	0.23	1.00

m,p-xylene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.81E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.81E+04	6369	8.1	1.01	4.42
n-Nonane	9	TRG	128.3	1.81E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.81E+04	7485	9.5	1.06	5.22
n-propylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.81E+04	8637	11.0	1.22	6.03
4-Ethyltoluene	9	TRG	120.2	1.81E+04	3799	4.8	0.54	2.65
1,3,5-Trimethylbenzene	9	TRG	120.2	1.81E+04	4481	5.7	0.63	3.13
2-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.81E+04	19527	24.9	2.77	13.63
n-Decane	10	TRG	142.3	1.81E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.81E+04	4322	5.5	0.61	3.02
1,3-Diethylbenzene	10	TRG	134.2	1.81E+04	8297	10.6	1.06	5.82
1,4-Diethylbenzene	10	TRG	134.2	1.81E+04	3970	5.1	0.51	2.78
Undecane	11	TRG	156.3	1.81E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.81E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.81E+04	246474	314.2	52.37	185.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.81E+04	246474	314.2	314.20	206.03

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Sample Data Packages

SDG Number **226144**

Lab Id Number **16**

Client ID T-202

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Canister: 803
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 08/07/2026 **Time:** 12:22
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	30.90	2.47	7.40	38.11	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	3.92	2.41	7.23	7.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.79	2.36	7.07	2.78	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	15.12	26.50	79.49	53.43	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	90.74	29.51	88.52	59.50	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **16**
File Name: **2614416A** B
Sample ID: **T-202**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/07/2026**
QCBatch: **080726-GCK**
Can: **803**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **9:11** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **12:22** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **381246**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.04**	1763	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**	48475	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.10**	2160	I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	**5.18**	9226	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.58**						136	351
106-98-9	1-Butene	P	7.29	7.27	**7.32**	2969	I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**	2880	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74						199	410
590-18-1	c-2-Butene	P	9.63	9.62						199	431
78-78-4	i-Pentane	P	11.37	11.37						199	473
109-67-1	1-Pentene	P	12.30	12.30						199	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						159	510
627-20-3	c-2-Pentene	P	13.08	13.08						159	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						159	537
287-92-3	Cyclopentane	P	14.88	14.88						159	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						159	570
107-83-5	2-Methylpentane	P	15.08	15.08						159	571
96-14-0	3-Methylpentane	P	15.55	15.55						159	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.14**	3707	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83						106	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02						106	626
71-43-2	Benzene	P	17.87	**17.84**	**17.89**	0	I	I	H	654	651
110-82-7	Cyclohexane	P	18.14	18.16						106	658
591-76-4	2-Methylhexane	P	18.38	18.40						106	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						106	671
589-34-4	3-Methylhexane	P	18.66	18.68						106	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**71180**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					71180		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					71180		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.25	1.12	1.29	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	61.79	30.90	38.11	61.79	30.90	38.11	38.11
Propene	42.1	3	2.75	0.92	1.58	ND	ND	ND	0
Propane	44.1	3	11.76	3.92	7.09	11.76	3.92	7.09	7.09
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	3.78	0.95	2.18	ND	ND	ND	0
n-Butane	58.1	4	3.67	0.92	2.19	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	4.73	**0.79**	2.78	4.73	0.79	2.78	2.78
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

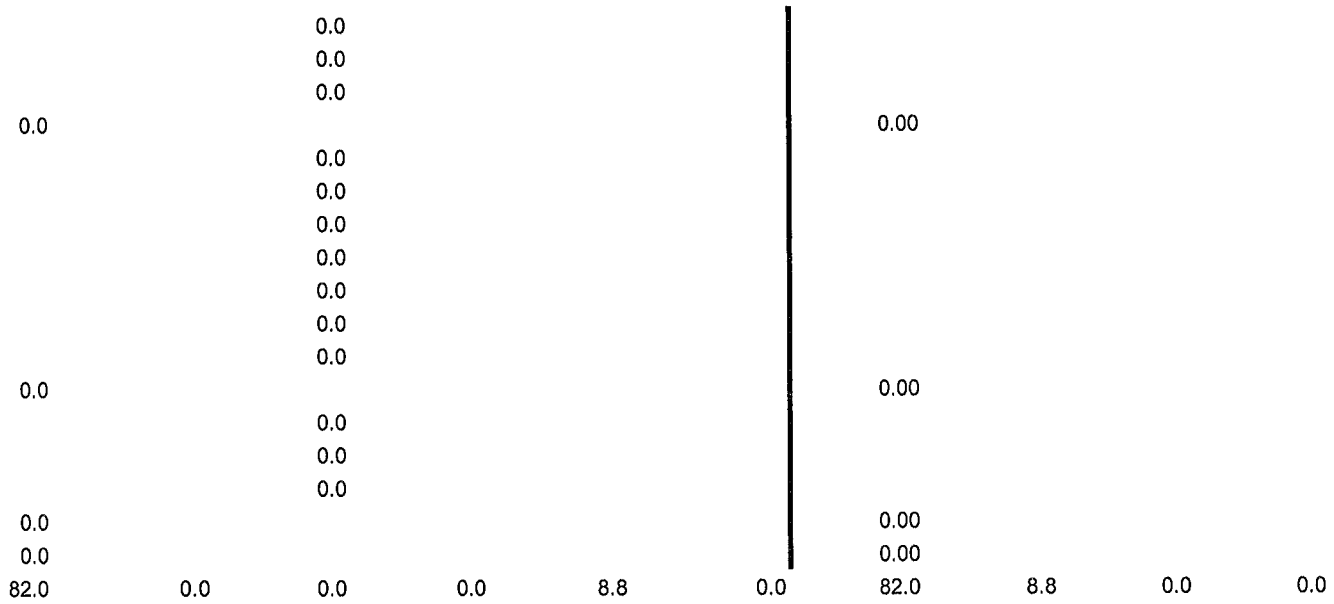
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	90.74	15.1	53.4	90.74	15.12	53.43	53.43
Total Non-Methane Hydrocarbons-C1	16	1.0	90.74	90.7	59.5	90.74	90.74	59.50	59.50

SDG: **226144**
Laboratory Number: **16**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
38.11	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
7.09	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
2.78	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
53.43	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
59.50	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.2		2.25		
					0.0			0.00	
61.8						61.79			
					2.8		2.75		
11.8						11.76			
		0.0				0.00			
					3.8		3.78		
3.7						3.67			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
4.7						4.73			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		16	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdnl})}{(\text{Cstdnl})}\right|_i$

2) ppbC = $\frac{6 \text{ Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{(\text{Avg RFn}) \times \text{SV}} = \textbf{Cn}$

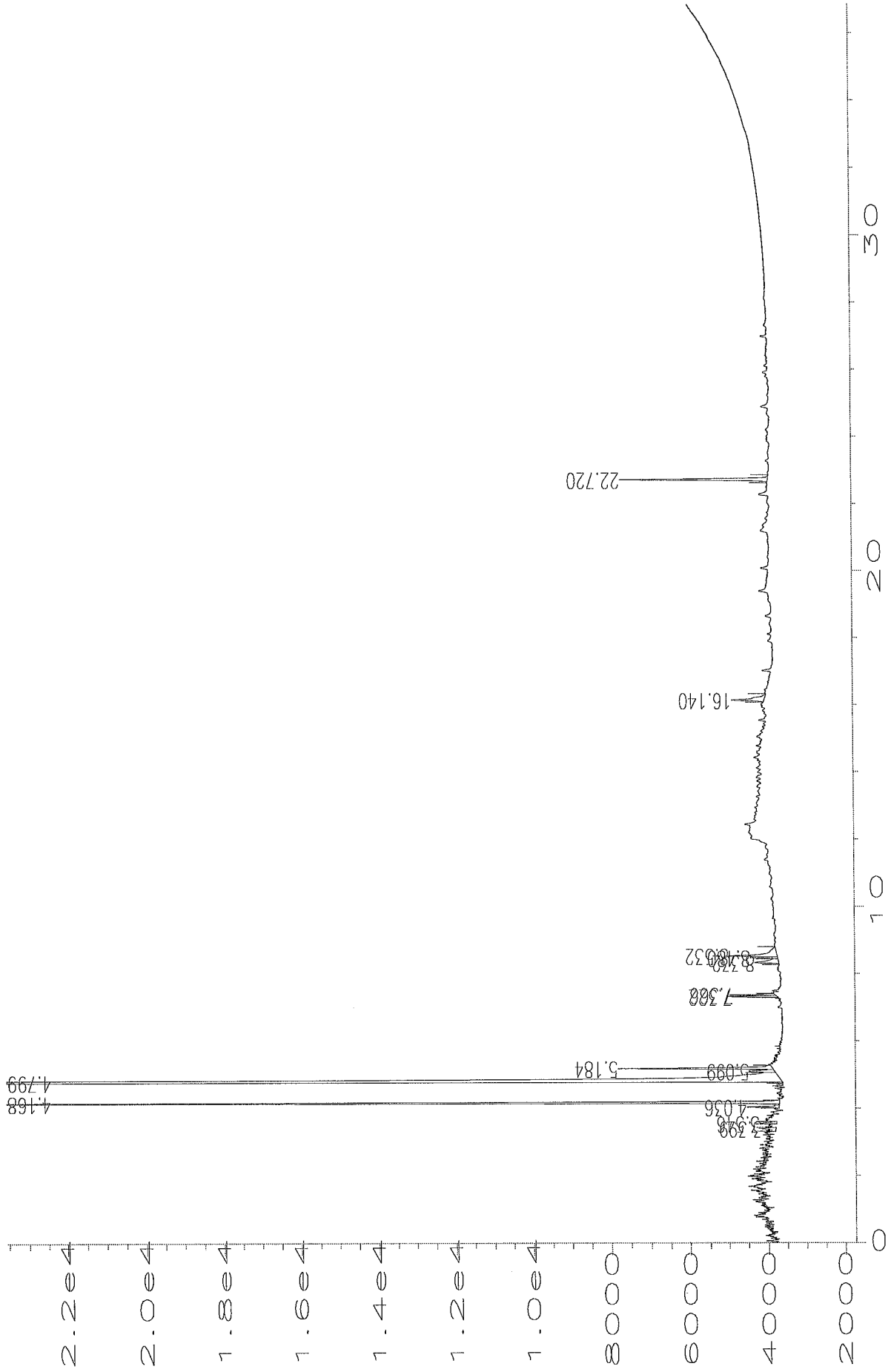
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \times \text{MW})}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	1763	2.2	1.12	1.29
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	48475	61.8	30.90	38.11
Propene	3	TRG	42.1	2.11E+04	2160	2.8	0.92	1.58
Propane	3	TRG	44.1	2.11E+04	9226	11.8	3.92	7.09
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	2969	3.8	0.95	2.18
n-Butane	4	TRG	58.1	2.11E+04	2880	3.7	0.92	2.19
t-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.11E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.11E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.11E+04	3707	4.7	0.79	2.78
Methylcyclopentane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.11E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.11E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.11E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.11E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.11E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.11E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.11E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	71180	90.7	15.12	53.43
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	71180	90.7	90.74	59.50

C:\HPCHEM\1\DATA\080076K\26144416A.D



Sample Data Packages

SDG Number 226144

Lab Id Number 17

Client ID T-203

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 17

File Name: 2614417A
Description: T-203
Canister: 668
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:37
Date Analyzed: 08/07/2026 **Time:** 13:09
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.90	2.47	7.40	30.72	
115-07-1	Propene	1.33	4.00	1.71	2.30	6.90	2.95	J
74-98-6	Propane	1.33	4.00	5.94	2.41	7.23	10.74	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.62	2.38	7.14	3.86	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	16.98	26.50	79.49	60.00	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	101.89	29.51	88.52	66.82	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **17**
File Name: **2614417A** **B**
Sample ID: **T-203**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/07/2026**
QCBatch: **080726-GCK**
Can: **668**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **9:37** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **13:09** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **381246**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.07	**4.04**	1578	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.11			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.18**	39071	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.12**	4023	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.21**	13982	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.61**						134	351
106-98-9	1-Butene	P	7.29	7.30	**7.30**	2654	I	I	H	367	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**	5085	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						199	410
590-18-1	c-2-Butene	P	9.63	9.63						199	431
78-78-4	i-Pentane	P	11.37	11.37	**11.38**	2735	I	I	H	473	473
109-67-1	1-Pentene	P	12.30	12.30						199	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						159	510
627-20-3	c-2-Pentene	P	13.08	13.08						159	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						159	537
287-92-3	Cyclopentane	P	14.88	14.88						159	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						159	570
107-83-5	2-Methylpentane	P	15.08	15.08	**15.05**	1161	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.55	**15.52**	982	I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.14**	2806	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83						106	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02						106	626
71-43-2	Benzene	P	17.87	**17.84**	**17.84**	0	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.11						106	658
591-76-4	2-Methylhexane	P	18.38	18.35						106	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.42						106	671
589-34-4	3-Methylhexane	P	18.66	18.63						106	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.06	**19.05**	1136	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.38	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.06						26	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.90						26	753
108-88-3	Toluene	P	21.12	**21.09**	**21.06**	975	I	I	H	757	758
592-27-8	2-Methylheptane	P	21.33	21.27						26	768
589-81-1	3-Methylheptane	p	21.55	21.49						26	775
111-65-9	n-Octane	P	22.27	22.21	**22.29**	1217	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.69						-63	855
108-38-3	m,p-xylene	P	23.95	23.89						-63	863
100-42-5	Styrene	P	24.40	24.34						-63	881
95-47-6	o-xylene	P	24.57	24.51						-63	886
111-84-2	n-Nonane	P	24.87	24.81	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.30						-167	919
103-65-1	n-propylbenzene	P	25.93	25.87	**25.89**	1563	I	O	M	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.11						-167	957
622-96-8	4-Ethyltoluene	P	26.26	26.20						-167	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.39						-167	964
611-14-3	2-Ethyltoluene	P	26.61	26.55						-167	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.02	**26.98**	964	I	I	H	990	991
124-18-5	n-Decane	P	27.26	27.20	**27.20**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.49						-23	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.04						-23	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.17						-23	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**79932**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					79932		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					79932		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.01	1.01	1.16	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	49.81	24.90	30.72	49.81	24.90	30.72	30.72
Propene	42.1	3	5.13	1.71	2.95	5.13	1.71	2.95	2.95
Propane	44.1	3	17.82	5.94	10.74	17.82	5.94	10.74	10.74
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	3.38	0.85	1.94	ND	ND	ND	0
n-Butane	58.1	4	6.48	1.62	3.86	6.48	1.62	3.86	3.86
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	3.49	0.70	2.06	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	1.48	0.25	0.87	ND	ND	ND	0
3-Methylpentane	86.2	6	1.25	0.21	0.74	ND	ND	ND	0
n-Hexane	86.2	6	3.58	**0.60**	2.11	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	1.45	0.18	0.85	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	1.24	0.18	0.67	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	1.55	0.19	0.91	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	1.99	0.22	1.09	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	1.23	0.14	0.67	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	101.89	17.0	60.0	101.89	16.98	60.00	60.00
Total Non-Methane Hydrocarbons-C1	16	1.0	101.89	101.9	66.8	101.89	101.89	66.82	66.82

SDG: **226144**
Laboratory Number: **17**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
30.72	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
2.95	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
10.74	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
3.86	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
60.00	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
66.82	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.0		2.01		
					0.0			0.00	
49.8						49.81			
					5.1		5.13		
17.8						17.82			
		0.0				0.00			
					3.4		3.38		
6.5						6.48			
					0.0		0.00		
					0.0		0.00		
		3.5				3.49			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		1.5				1.48			
		1.3				1.25			
3.6						3.58			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		1.4				1.45			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			1.2						
		0.0				0.00			
		0.0				0.00			
1.6						1.55			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		2.0							
		0.0							
		0.0							
		0.0							
		0.0							
		1.2							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
79.2	7.7	4.5	0.0	10.5	0.0	86.9	10.5	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

1.24

0.00

0.00
0.00
0.00

0.00
1.99
0.00
0.00
0.00
0.00
1.23

0.00
0.00
0.00

0.0	0.0	0.0	0.0	4.5	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		17	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{\text{(Astdnl)}}{\text{(Cstdnl)}}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = Cn

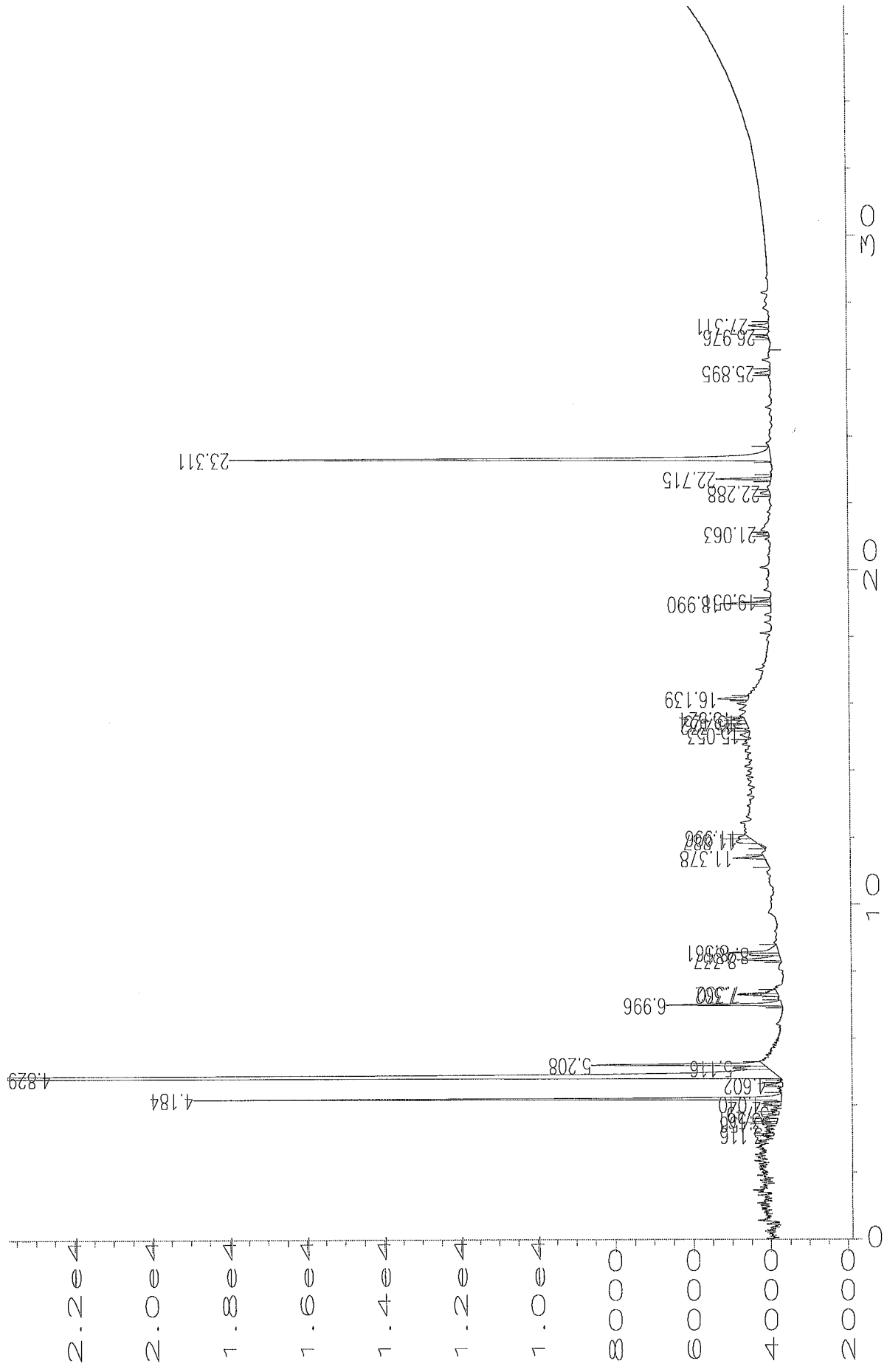
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	1578	2.0	1.01	1.16
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	39071	49.8	24.90	30.72
Propene	3	TRG	42.1	2.11E+04	4023	5.1	1.71	2.95
Propane	3	TRG	44.1	2.11E+04	13982	17.8	5.94	10.74
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	2654	3.4	0.85	1.94
n-Butane	4	TRG	58.1	2.11E+04	5085	6.5	1.62	3.86
t-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.11E+04	2735	3.5	0.70	2.06
1-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.11E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	1161	1.5	0.25	0.87
3-Methylpentane	6	TRG	86.2	2.11E+04	982	1.3	0.21	0.74
n-Hexane	6	TRG	86.2	2.11E+04	2806	3.6	0.60	2.11
Methylcyclopentane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.11E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	1136	1.4	0.18	0.85
n-Heptane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.11E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.11E+04	975	1.2	0.18	0.67
2-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.11E+04	1217	1.6	0.19	0.91
Ethylbenzene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.11E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.11E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.11E+04	1563	2.0	0.22	1.09
3-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	964	1.2	0.14	0.67
n-Decane	10	TRG	142.3	2.11E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.11E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	79932	101.9	16.98	60.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	79932	101.9	101.89	66.82

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Sample Data Packages

SDG Number **226144**

Lab Id Number **18**

Client ID T-204

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 18

File Name: 2614418A
Description: T-204
Canister: 688
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 9:33
Date Analyzed: 08/07/2026 **Time:** 13:57
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	164.19	2.30	6.91	189.09	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	76.74	2.47	7.40	94.67	
115-07-1	Propene	1.33	4.00	486.94	2.30	6.90	840.16	
74-98-6	Propane	1.33	4.00	185.41	2.41	7.23	335.11	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	8.65	2.30	6.90	19.88	
106-97-8	n-Butane	1.00	3.00	119.50	2.38	7.14	284.55	
624-64-6	t-2-Butene	1.00	3.00	8.70	2.30	6.90	19.99	
590-18-1	c-2-Butene	1.00	3.00	9.51	2.30	6.90	21.87	
78-78-4	i-Pentane	0.80	2.40	145.90	2.37	7.10	431.71	
109-67-1	1-Pentene	0.80	2.40	26.90	2.30	6.90	77.29	
109-66-0	n-Pentane	0.80	2.40	29.16	2.36	7.09	86.16	
646-04-8	t-2-Pentene	0.80	2.40	6.73	2.30	6.90	19.33	
627-20-3	c-2-Pentene	0.80	2.40	5.15	2.30	6.90	14.79	
75-83-2	2,2-Dimethylbutane	0.67	2.00	7.46	2.36	7.07	26.35	
287-92-3	Cyclopentane	0.80	2.40	73.52	2.30	6.90	211.22	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	16.97	2.36	7.07	59.96	
96-14-0	3-Methylpentane	0.67	2.00	64.79	2.36	7.07	228.88	
110-54-3	n-Hexane	0.67	2.00	38.93	2.36	7.07	137.54	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	22.80	2.35	7.04	93.62	
71-43-2	Benzene	0.67	2.00	52.31	2.13	6.40	167.45	
110-82-7	Cyclohexane	0.67	2.00	34.75	2.30	6.90	119.93	
591-76-4	2-Methylhexane	0.57	1.71	27.97	2.35	7.04	114.87	
565-59-3	2,3-Dimethylpentane	0.57	1.71	23.71	2.35	7.04	97.35	
589-34-4	3-Methylhexane	0.57	1.71	44.04	2.35	7.04	180.85	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	91.28	2.34	7.02	427.22	
142-82-5	n-Heptane	0.57	1.71	115.05	2.35	7.04	472.45	
108-87-2	Methylcyclohexane	0.57	1.71	90.48	2.30	6.90	364.14	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	25.91	2.34	7.02	121.27	
108-88-3	Toluene	0.57	1.71	777.48	2.16	6.47	2,934.66	
592-27-8	2-Methylheptane	0.50	1.50	79.71	2.34	7.02	373.06	
589-81-1	3-Methylheptane	0.50	1.50	25.94	2.34	7.02	121.41	
111-65-9	n-Octane	0.50	1.50	74.84	2.34	7.02	350.29	
100-41-4	Ethylbenzene	0.50	1.50	312.58	2.18	6.53	1,360.48	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	445.27	2.18	6.53	1,938.01	
100-42-5	Styrene	0.50	1.50	66.83	2.14	6.41	285.38	
95-47-6	o-xylene	0.50	1.50	150.13	2.18	6.53	653.45	
111-84-2	n-Nonane	0.44	1.33	132.90	2.34	7.01	698.81	
98-82-8	i-Propylbenzene	0.44	1.33	38.14	2.19	6.57	187.88	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	49.15	2.19	6.57	242.11	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	32.41	2.19	6.57	159.63	
611-14-3	2-Ethyltoluene	0.44	1.33	33.63	2.19	6.57	165.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	19.01	2.33	7.00	110.89	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	3.34	2.20	6.60	18.39	
1120-21-4	Undecane	0.36	1.09	0.41	2.33	6.99	2.65	J
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	4,417.84	26.50	79.49	15,607.30	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	26,507.06	29.51	88.52	17,381.68	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **18**
File Name: **2614418A** **B**
Sample ID: **T-204**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/07/2026**
QCBatch: **080726-GCK**
Can: **688**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **9:33** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **13:57** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **381246**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.78	**3.78**	257599	NA	NA	NA		
74-86-2	Acetylene	P	4.10	3.82			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	3.89	120401	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.12**	1145945	I	O	M	314	290
74-98-6	Propane	P	5.20	**5.20**	4.97	436348	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.37**						151	351
106-98-9	1-Butene	P	7.29	7.06	**7.35**	27131	I	O	M	371	367
106-97-8	n-Butane	P	8.34	**8.34**	8.30	374976	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.71	**8.78**	27288	I	I	H	412	410
590-18-1	c-2-Butene	P	9.63	9.59	**9.58**	29850	I	I	H	431	431
78-78-4	i-Pentane	P	11.37	11.28	**11.31**	572248	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.21	**12.24**	105527	I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.39**	12.39	114362	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.70	**12.74**	26391	I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	12.99	**13.03**	20192	I	I	H	517	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.68	**13.73**	35109	I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.79	**14.73**	288373	I	O	M	563	567
79-29-8	2,3-Dimethylbutane	P	15.06	14.97						167	570
107-83-5	2-Methylpentane	P	15.08	14.99	**15.02**	79879	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.46	**15.47**	304942	I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.08**	16.12	183246	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.81						104	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.00	**17.01**	125184	I	I	H	628	626
71-43-2	Benzene	P	17.87	**17.82**	17.80	246231	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.07	**18.09**	163576	I	I	H	661	658
591-76-4	2-Methylhexane	P	18.38	18.31	**18.34**	153601	I	I	H	668	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.38	**18.41**	130176	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.59	**18.62**	241827	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.02	**19.01**	572842	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.34	19.37	631758	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.02	**20.07**	496843	I	I	H	725	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.86	**20.91**	162605	I	I	H	754	753
108-88-3	Toluene	P	21.12	**21.05**	21.13	4269303	I	O	M	762	758
592-27-8	2-Methylheptane	P	21.33	21.34	**21.37**	500217	I	I	H	770	768
589-81-1	3-Methylheptane	p	21.55	21.56	**21.52**	162797	I	I	H	775	775
111-65-9	n-Octane	P	22.27	22.28	22.23	469685	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.76	**23.77**	1961642	I	O	M	858	855
108-38-3	m,p-xylene	P	23.95	23.96	**24.00**	2794358	I	O	M	867	863
100-42-5	Styrene	P	24.40	24.41	**24.46**	419377	I	I	H	884	881
95-47-6	o-xylene	P	24.57	24.58	**24.59**	942194	I	O	M	889	886
111-84-2	n-Nonane	P	24.87	24.88	**24.88**	938293	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.37	**25.37**	269261	I	I	H	921	919
103-65-1	n-propylbenzene	P	25.93	25.94	**26.04**		I	I	H	949	947
620-14-4	3-Ethyltoluene	P	26.17	26.18						-158	957
622-96-8	4-Ethyltoluene	P	26.26	26.27	**26.28**	346988	I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.46	**26.51**	228784	I	O	M	969	964
611-14-3	2-Ethyltoluene	P	26.61	26.62	**26.61**	237425	I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.09	**26.98**		O	I	M	989	991
124-18-5	n-Decane	P	27.26	27.27	**27.23**	149161	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.56						-12	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.11	**28.03**		I	I	H	1030	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.24	**28.30**	26236	I	I	H	1040	1037
1120-21-4	Undecane	P	29.86	29.92	**29.92**	3564	I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.52	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**20793735**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					20793735		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					20793735		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	328.38	164.19	189.09	328.38	164.19	189.09	189.09
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	153.48	76.74	94.67	153.48	76.74	94.67	94.67
Propene	42.1	3	1460.81	486.94	840.16	1,460.81	486.94	840.16	840.16
Propane	44.1	3	556.24	185.41	335.11	556.24	185.41	335.11	335.11
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	34.59	8.65	19.88	34.59	8.65	19.88	19.88
n-Butane	58.1	4	478.01	119.50	284.55	478.01	119.50	284.55	284.55
t-2-Butene	56.1	4	34.79	8.70	19.99	34.79	8.70	19.99	19.99
c-2-Butene	56.1	4	38.05	9.51	21.87	38.05	9.51	21.87	21.87
i-Pentane	72.2	5	729.48	145.90	431.71	729.48	145.90	431.71	431.71
1-Pentene	70.1	5	134.52	26.90	77.29	134.52	26.90	77.29	77.29
n-Pentane	72.1	5	145.78	29.16	86.16	145.78	29.16	86.16	86.16
t-2-Pentene	70.1	5	33.64	6.73	19.33	33.64	6.73	19.33	19.33
c-2-Pentene	70.1	5	25.74	5.15	14.79	25.74	5.15	14.79	14.79
2,2-Dimethylbutane	86.2	6	44.76	7.46	26.35	44.76	7.46	26.35	26.35
Cyclopentane	70.1	5	367.61	73.52	211.22	367.61	73.52	211.22	211.22
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	101.83	16.97	59.96	101.83	16.97	59.96	59.96
3-Methylpentane	86.2	6	388.73	64.79	228.88	388.73	64.79	228.88	228.88
n-Hexane	86.2	6	233.60	**38.93**	137.54	233.60	38.93	137.54	137.54
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	159.58	22.80	93.62	159.58	22.80	93.62	93.62
Benzene	78.1	6	313.89	52.31	167.45	313.89	52.31	167.45	167.45
Cyclohexane	84.2	6	208.52	34.75	119.93	208.52	34.75	119.93	119.93
2-Methylhexane	100.2	7	195.80	27.97	114.87	195.80	27.97	114.87	114.87
2,3-Dimethylpentane	100.2	7	165.94	23.71	97.35	165.94	23.71	97.35	97.35
3-Methylhexane	100.2	7	308.27	44.04	180.85	308.27	44.04	180.85	180.85
2,2,4-Trimethylpentane	114.2	8	730.24	91.28	427.22	730.24	91.28	427.22	427.22
n-Heptane	100.2	7	805.34	115.05	472.45	805.34	115.05	472.45	472.45
Methylcyclohexane	98.2	7	633.36	90.48	364.14	633.36	90.48	364.14	364.14
2,3,4-Trimethylpentane	114.2	8	207.28	25.91	121.27	207.28	25.91	121.27	121.27
Toluene	92.1	7	5442.35	777.48	2934.66	5,442.35	777.48	2,934.66	2,934.66
2-Methylheptane	114.2	8	637.66	79.71	373.06	637.66	79.71	373.06	373.06
3-Methylheptane	114.2	8	207.53	25.94	121.41	207.53	25.94	121.41	121.41
n-Octane	114.2	8	598.74	74.84	350.29	598.74	74.84	350.29	350.29
Ethylbenzene	106.2	8	2500.63	312.58	1360.48	2,500.63	312.58	1,360.48	1,360.48

m,p-xylene	106.2	8	3562.14	445.27	1938.01	3,562.14	445.27	1,938.01	1,938.01
Styrene	104.2	8	534.61	66.83	285.38	534.61	66.83	285.38	285.38
o-xylene	106.2	8	1201.07	150.13	653.45	1,201.07	150.13	653.45	653.45
n-Nonane	128.3	9	1196.10	132.90	698.81	1,196.10	132.90	698.81	698.81
i-Propylbenzene	120.2	9	343.24	38.14	187.88	343.24	38.14	187.88	187.88
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	442.33	49.15	242.11	442.33	49.15	242.11	242.11
1,3,5-Trimethylbenzene	120.2	9	291.65	32.41	159.63	291.65	32.41	159.63	159.63
2-Ethyltoluene	120.2	9	302.66	33.63	165.66	302.66	33.63	165.66	165.66
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	190.14	19.01	110.89	190.14	19.01	110.89	110.89
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	33.44	3.34	18.39	33.44	3.34	18.39	18.39
Undecane	156.3	11	4.54	0.41	2.65	4.54	0.41	2.65	2.65
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	26507.06	4417.8	15607.3	26,507.06	4,417.84	15,607.30	15,607.30
Total Non-Methane Hydrocarbons-C1	16	1.0	26507.06	26507.1	17381.7	26,507.06	26,507.06	17,381.68	17,381.68

SDG: **226144**
Laboratory Number: **18**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
189.09	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0		=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
94.67	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
840.16	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
335.11	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
19.88	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
284.55	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
19.99	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
21.87	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
431.71	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
77.29	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
86.16	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0		=		Y
19.33	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
14.79	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
26.35	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
211.22	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
59.96	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
228.88	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
137.54	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
93.62	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
167.45	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0		=		Y
119.93	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
114.87	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
97.35	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
180.85	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
427.22	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
472.45	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
364.14	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0		=		Y
121.27	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
2,934.66	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
373.06	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
121.41	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
350.29	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
1,360.48	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=		Y

1,938.01	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
285.38	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0		=	Y
653.45	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
698.81	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0		=	Y
187.88	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
242.11	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
159.63	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
165.66	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
110.89	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
18.39	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0		=	Y
2.65	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	J	=	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
15,607.30	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
17,381.68	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					328.4		328.38		
					0.0			0.00	
153.5						153.48			
					1460.8		1460.81		
556.2						556.24			
	0.0					0.00			
					34.6		34.59		
478.0						478.01			
					34.8		34.79		
					38.1		38.05		
	729.5					729.48			
					134.5		134.52		
145.8						145.78			
					33.6		33.64		
					25.7		25.74		
	44.8					44.76			
			367.6						367.61
	0.0					0.00			
	101.8					101.83			
	388.7					388.73			
233.6						233.60			
				0.0					0.00
	159.6					159.58			
		313.9							
			208.5			208.52			
	195.8					195.80			
	165.9					165.94			
	308.3					308.27			
	730.2					730.24			
805.3						805.34			
			633.4						633.36
	207.3					207.28			
		5442.3							
	637.7					637.66			
	207.5					207.53			
598.7						598.74			
		2500.6							

		3562.1							
		534.6							
		1201.1							
1196.1						1196.10			
		343.2							
		0.0							
		0.0							
		442.3							
		291.6							
		302.7							
		0.0							
190.1						190.14			
		0.0							
		0.0							
		33.4							
4.5						4.54			
0.0						0.00			
4362.0	3877.1	14968.0	1209.5	2090.5	0.0	8447.6	2090.5	0.0	1001.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

313.89

5442.35

2500.63

3562.14
534.61
1201.07

343.24
0.00
0.00
442.33
291.65
302.66
0.00

0.00
0.00
33.44

0.0	0.0	0.0	0.0	14968.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		18	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdnl) / (Cstdnl) i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	257599	328.4	164.19	189.09
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	120401	153.5	76.74	94.67
Propene	3	TRG	42.1	2.11E+04	1145945	1460.8	486.94	840.16
Propane	3	TRG	44.1	2.11E+04	436348	556.2	185.41	335.11
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	27131	34.6	8.65	19.88
n-Butane	4	TRG	58.1	2.11E+04	374976	478.0	119.50	284.55
t-2-Butene	4	TRG	56.1	2.11E+04	27288	34.8	8.70	19.99
c-2-Butene	4	TRG	56.1	2.11E+04	29850	38.1	9.51	21.87
i-Pentane	5	TRG	72.2	2.11E+04	572248	729.5	145.90	431.71
1-Pentene	5	TRG	70.1	2.11E+04	105527	134.5	26.90	77.29
n-Pentane	5	TRG	72.1	2.11E+04	114362	145.8	29.16	86.16
t-2-Pentene	5	TRG	70.1	2.11E+04	26391	33.6	6.73	19.33
c-2-Pentene	5	TRG	70.1	2.11E+04	20192	25.7	5.15	14.79
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	35109	44.8	7.46	26.35
Cyclopentane	5	TRG	70.1	2.11E+04	288373	367.6	73.52	211.22
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	79879	101.8	16.97	59.96
3-Methylpentane	6	TRG	86.2	2.11E+04	304942	388.7	64.79	228.88
n-Hexane	6	TRG	86.2	2.11E+04	183246	233.6	38.93	137.54
Methylcyclopentane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	125184	159.6	22.80	93.62
Benzene	6	TRG	78.1	2.11E+04	246231	313.9	52.31	167.45
Cyclohexane	6	TRG	84.2	2.11E+04	163576	208.5	34.75	119.93
2-Methylhexane	7	TRG	100.2	2.11E+04	153601	195.8	27.97	114.87
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	130176	165.9	23.71	97.35
3-Methylhexane	7	TRG	100.2	2.11E+04	241827	308.3	44.04	180.85
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	572842	730.2	91.28	427.22
n-Heptane	7	TRG	100.2	2.11E+04	631758	805.3	115.05	472.45
Methylcyclohexane	7	TRG	98.2	2.11E+04	496843	633.4	90.48	364.14
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	162605	207.3	25.91	121.27
Toluene	7	TRG	92.1	2.11E+04	4269303	5442.3	777.48	2934.66
2-Methylheptane	8	TRG	114.2	2.11E+04	500217	637.7	79.71	373.06
3-Methylheptane	8	TRG	114.2	2.11E+04	162797	207.5	25.94	121.41
n-Octane	8	TRG	114.2	2.11E+04	469685	598.7	74.84	350.29
Ethylbenzene	8	TRG	106.2	2.11E+04	1961642	2500.6	312.58	1360.48

m,p-xylene	8	TRG	106.2	2.11E+04	2794358	3562.1	445.27	1938.01
Styrene	8	TRG	104.2	2.11E+04	419377	534.6	66.83	285.38
o-xylene	8	TRG	106.2	2.11E+04	942194	1201.1	150.13	653.45
n-Nonane	9	TRG	128.3	2.11E+04	938293	1196.1	132.90	698.81
i-Propylbenzene	9	TRG	120.2	2.11E+04	269261	343.2	38.14	187.88
n-propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.11E+04	346988	442.3	49.15	242.11
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	228784	291.6	32.41	159.63
2-Ethyltoluene	9	TRG	120.2	2.11E+04	237425	302.7	33.63	165.66
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.11E+04	149161	190.1	19.01	110.89
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	26236	33.4	3.34	18.39
Undecane	11	TRG	156.3	2.11E+04	3564	4.5	0.41	2.65
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	20793735	26507.1	4417.84	15607.30
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	20793735	26507.1	26507.06	17381.68

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Sample Data Packages

SDG Number **226144**

Lab Id Number **19**

Client ID T-205

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Canister: 761
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 08/07/2026 **Time:** 14:45
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.85	2.30	6.91	3.28	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	26.93	2.47	7.40	33.22	
115-07-1	Propene	1.33	4.00	6.00	2.30	6.90	10.35	
74-98-6	Propane	1.33	4.00	6.76	2.41	7.23	12.23	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.69	2.30	6.90	3.89	J
106-97-8	n-Butane	1.00	3.00	1.57	2.38	7.14	3.73	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.81	2.16	6.47	6.81	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.25	2.18	6.53	5.44	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	2.29	2.18	6.53	9.97	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.24	2.18	6.53	5.42	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	6.03	2.19	6.57	29.69	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	1.53	2.19	6.57	7.54	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.49	2.19	6.57	2.43	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	43.25	26.50	79.49	152.78	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	259.47	29.51	88.52	170.15	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **19**
File Name: **2614419A** **B**
Sample ID: **T-205**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/07/2026**
QCBatch: **080726-GCK**
Can: **761**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:52** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **14:45** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **381246**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.08	**4.06**	4474	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.12			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.19**	42245	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.11**	14120	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.21**	15919	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.61**						133	351
106-98-9	1-Butene	P	7.29	7.30	**7.29**	5305	I	I	H	367	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**	4911	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74	**8.78**		I	I	H	411	410
590-18-1	c-2-Butene	P	9.63	9.62	**9.58**		I	I	H	430	431
78-78-4	i-Pentane	P	11.37	11.32	**11.38**	1689	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.25						197	495
109-66-0	n-Pentane	P	12.48	**12.43**	**12.43**	2697	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.74	**12.74**		I	I	H	508	510
627-20-3	c-2-Pentene	P	13.08	13.03	**13.03**		I	I	H	516	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.72	**13.73**		I	I	H	535	537
287-92-3	Cyclopentane	P	14.88	14.83	**14.73**		O	O	L	562	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.01						164	570
107-83-5	2-Methylpentane	P	15.08	15.03	**15.03**	1287	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.50	**15.52**	1648	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.12**	**16.13**	2745	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.82						105	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.01	**17.00**	1473	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.83**	**17.80**		I	I	H	651	651
110-82-7	Cyclohexane	P	18.14	18.07	**18.09**		I	I	H	660	658
591-76-4	2-Methylhexane	P	18.38	18.31	**18.34**		I	I	H	668	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.38	**18.41**		I	I	H	670	671
589-34-4	3-Methylhexane	P	18.66	18.59	**18.62**		I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.02	**19.01**		I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.34	**19.38**	2092	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.02	**20.07**		I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.86	**20.91**		I	I	H	754	753
108-88-3	Toluene	P	21.12	**21.05**	**21.11**	9912	I	I	H	761	758
592-27-8	2-Methylheptane	P	21.33	21.32	**21.37**		I	I	H	770	768
589-81-1	3-Methylheptane	p	21.55	21.54	**21.52**		I	I	H	775	775
111-65-9	n-Octane	P	22.27	22.26	**22.23**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.74	**23.73**	7837	I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.94	**23.96**	14377	I	I	H	866	863
100-42-5	Styrene	P	24.40	24.39	**24.46**		I	O	M	885	881
95-47-6	o-xylene	P	24.57	24.56	**24.60**	7808	I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.86	**24.86**	3038	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.35	**25.37**		I	I	H	922	919
103-65-1	n-propylbenzene	P	25.93	25.92	**25.89**	42544	I	O	M	943	947
620-14-4	3-Ethyltoluene	P	26.17	26.16						-148	957
622-96-8	4-Ethyltoluene	P	26.26	26.25	**26.29**	10810	I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.44	**26.47**	854	I	O	M	968	964
611-14-3	2-Ethyltoluene	P	26.61	26.60	**26.61**		I	I	H	974	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.07	**27.11**	3479	I	O	M	995	991
124-18-5	n-Decane	P	27.26	27.25	**27.23**	2283	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.54						-12	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.09	**27.99**		I	O	M	1028	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.22	**28.30**		I	I	H	1040	1037
1120-21-4	Undecane	P	29.86	29.88	**29.92**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.48	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**203547**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					203547		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					203547		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	5.70	2.85	3.28	5.70	2.85	3.28	3.28
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	53.85	26.93	33.22	53.85	26.93	33.22	33.22
Propene	42.1	3	18.00	6.00	10.35	18.00	6.00	10.35	10.35
Propane	44.1	3	20.29	6.76	12.23	20.29	6.76	12.23	12.23
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	6.76	1.69	3.89	6.76	1.69	3.89	3.89
n-Butane	58.1	4	6.26	1.57	3.73	6.26	1.57	3.73	3.73
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	2.15	0.43	1.27	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	3.44	0.69	2.03	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	1.64	0.27	0.97	ND	ND	ND	0
3-Methylpentane	86.2	6	2.10	0.35	1.24	ND	ND	ND	0
n-Hexane	86.2	6	3.50	**0.58**	2.06	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.88	0.27	1.10	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	2.67	0.38	1.56	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	12.64	1.81	6.81	12.64	1.81	6.81	6.81
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	9.99	1.25	5.44	9.99	1.25	5.44	5.44

m,p-xylene	106.2	8	18.33	2.29	9.97	18.33	2.29	9.97	9.97
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	9.95	1.24	5.42	9.95	1.24	5.42	5.42
n-Nonane	128.3	9	3.87	0.43	2.26	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	54.23	6.03	29.69	54.23	6.03	29.69	29.69
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	13.78	1.53	7.54	13.78	1.53	7.54	7.54
1,3,5-Trimethylbenzene	120.2	9	1.09	0.12	0.60	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	4.43	0.49	2.43	4.43	0.49	2.43	2.43
n-Decane	142.3	10	2.91	0.29	1.70	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	259.47	43.2	152.8	259.47	43.25	152.78	152.78
Total Non-Methane Hydrocarbons-C1	16	1.0	259.47	259.5	170.1	259.47	259.47	170.15	170.15

SDG: **226144**
Laboratory Number: **19**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
3.28	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	J	=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
33.22	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
10.35	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
12.23	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
3.89	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
3.73	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
6.81	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
5.44	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=		Y

9.97	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
5.42	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
29.69	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
7.54	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
2.43	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
152.78	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
170.15	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					5.7		5.70		
					0.0			0.00	
53.9						53.85			
					18.0		18.00		
20.3						20.29			
		0.0				0.00			
					6.8		6.76		
6.3						6.26			
					0.0		0.00		
					0.0		0.00		
		2.2				2.15			
					0.0		0.00		
3.4						3.44			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		1.6				1.64			
		2.1				2.10			
3.5						3.50			
				0.0					0.00
		1.9				1.88			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
2.7						2.67			
				0.0					0.00
		0.0				0.00			
			12.6						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			10.0						

		18.3							
		0.0							
		10.0							
3.9						3.87			
		0.0							
		54.2							
		0.0							
		13.8							
		1.1							
		0.0							
		4.4							
2.9						2.91			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
96.8	7.8	124.4	0.0	30.5	0.0	104.6	30.5	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

12.64

9.99

18.33
0.00
9.95

0.00
54.23
0.00
13.78
1.09
0.00
4.43

0.00
0.00
0.00

0.0	0.0	0.0	0.0	124.4	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		19	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	4474	5.7	2.85	3.28
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	42245	53.9	26.93	33.22
Propene	3	TRG	42.1	2.11E+04	14120	18.0	6.00	10.35
Propane	3	TRG	44.1	2.11E+04	15919	20.3	6.76	12.23
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	5305	6.8	1.69	3.89
n-Butane	4	TRG	58.1	2.11E+04	4911	6.3	1.57	3.73
t-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.11E+04	1689	2.2	0.43	1.27
1-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.11E+04	2697	3.4	0.69	2.03
t-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	1287	1.6	0.27	0.97
3-Methylpentane	6	TRG	86.2	2.11E+04	1648	2.1	0.35	1.24
n-Hexane	6	TRG	86.2	2.11E+04	2745	3.5	0.58	2.06
Methylcyclopentane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	1473	1.9	0.27	1.10
Benzene	6	TRG	78.1	2.11E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.11E+04	2092	2.7	0.38	1.56
Methylcyclohexane	7	TRG	98.2	2.11E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.11E+04	9912	12.6	1.81	6.81
2-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.11E+04	7837	10.0	1.25	5.44

m,p-xylene	8	TRG	106.2	2.11E+04	14377	18.3	2.29	9.97
Styrene	8	TRG	104.2	2.11E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.11E+04	7808	10.0	1.24	5.42
n-Nonane	9	TRG	128.3	2.11E+04	3038	3.9	0.43	2.26
i-Propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.11E+04	42544	54.2	6.03	29.69
3-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.11E+04	10810	13.8	1.53	7.54
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	854	1.1	0.12	0.60
2-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	3479	4.4	0.49	2.43
n-Decane	10	TRG	142.3	2.11E+04	2283	2.9	0.29	1.70
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.11E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	203547	259.5	43.25	152.78
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	203547	259.5	259.47	170.15

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Sample Data Packages

SDG Number 226144

Lab Id Number 20

Client ID T-206

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Canister: 809
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 08/26/2026 **Time:** 12:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.07	2.47	7.40	30.93	
115-07-1	Propene	1.33	4.00	4.47	2.30	6.90	7.72	
74-98-6	Propane	1.33	4.00	4.20	2.41	7.23	7.60	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	5.14	2.30	6.90	11.83	
106-97-8	n-Butane	1.00	3.00	3.07	2.38	7.14	7.32	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	0.95	2.36	7.07	3.36	J
110-54-3	n-Hexane	0.67	2.00	1.52	2.36	7.07	5.37	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.05	2.34	7.02	4.91	J
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	0.90	2.19	6.57	4.42	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.34	26.50	79.49	86.00	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	146.07	29.51	88.52	95.78	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 20
File Name: 2614420A B
Sample ID: T-206
Sampled: 7/21/2026
Received: 07/24/26
Analyzed: 08/26/2026
QCBatch: 082626-GCK
Can: 809
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 10:51 Matrix AA
Time: 16:10 Chem TRG
Time: 12:01 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 315469
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.12	**4.12**	836	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.16			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.23**	39331	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**	10529	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.24**	9894	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.64**						132	351
106-98-9	1-Butene	P	7.29	7.33	**7.35**	16142	I	I	H	367	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.37**	9642	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.78						196	410
590-18-1	c-2-Butene	P	9.63	9.66						196	431
78-78-4	i-Pentane	P	11.37	11.37						196	473
109-67-1	1-Pentene	P	12.30	12.30						196	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						166	510
627-20-3	c-2-Pentene	P	13.08	13.08						166	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						166	537
287-92-3	Cyclopentane	P	14.88	14.88						166	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						166	570
107-83-5	2-Methylpentane	P	15.08	15.08	**15.12**	1245	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.55	**15.59**	4476	I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.21**	7151	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.90						100	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.09	**17.09**	1530	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.91**	**17.91**	0	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.18						100	658
591-76-4	2-Methylhexane	P	18.38	18.42						100	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.49						100	671
589-34-4	3-Methylhexane	P	18.66	18.70						100	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.13	**19.13**	885	I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.45	**19.45**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.13						25	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.97						25	753
108-88-3	Toluene	P	21.12	**21.16**	**21.16**		I	I	H	759	758
592-27-8	2-Methylheptane	P	21.33	21.37						25	768
589-81-1	3-Methylheptane	p	21.55	21.59						25	775
111-65-9	n-Octane	P	22.27	22.31	**22.33**	6583	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.79						-79	855
108-38-3	m,p-xylene	P	23.95	23.99						-79	863
100-42-5	Styrene	P	24.40	24.44						-79	881
95-47-6	o-xylene	P	24.57	24.61						-79	886
111-84-2	n-Nonane	P	24.87	24.91	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.40						-141	919
103-65-1	n-propylbenzene	P	25.93	25.97	**25.98**		I	I	H	946	947
620-14-4	3-Ethyltoluene	P	26.17	26.21						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.30	**26.37**	6341	I	O	M	963	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.49						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.65						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.12						-141	991
124-18-5	n-Decane	P	27.26	27.30	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.59						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.14						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.27						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**114585**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					114585		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					114585		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082626-GCK		
Hexane Std Area:	315469		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.07	0.53	0.61	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	50.14	25.07	30.93	50.14	25.07	30.93	30.93
Propene	42.1	3	13.42	4.47	7.72	13.42	4.47	7.72	7.72
Propane	44.1	3	12.61	4.20	7.60	12.61	4.20	7.60	7.60
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	20.58	5.14	11.83	20.58	5.14	11.83	11.83
n-Butane	58.1	4	12.29	3.07	7.32	12.29	3.07	7.32	7.32
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	1.59	0.26	0.93	ND	ND	ND	0
3-Methylpentane	86.2	6	5.71	0.95	3.36	5.71	0.95	3.36	3.36
n-Hexane	86.2	6	9.12	**1.52**	5.37	9.12	1.52	5.37	5.37
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.95	0.28	1.14	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	1.13	0.14	0.66	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	8.39	1.05	4.91	8.39	1.05	4.91	4.91
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	8.08	0.90	4.42	8.08	0.90	4.42	4.42
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	146.07	24.3	86.0	146.07	24.34	86.00	86.00
Total Non-Methane Hydrocarbons-C1	16	1.0	146.07	146.1	95.8	146.07	146.07	95.78	95.78

SDG: **226144**
Laboratory Number: **20**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
30.93	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
7.72	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
7.60	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
11.83	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
7.32	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
3.36	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
5.37	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
4.91	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.42	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
86.00	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
95.78	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.1		1.07		
					0.0			0.00	
50.1						50.14			
					13.4		13.42		
12.6						12.61			
		0.0				0.00			
					20.6		20.58		
12.3						12.29			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		1.6				1.59			
		5.7				5.71			
9.1						9.12			
				0.0					0.00
		2.0				1.95			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		1.1				1.13			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
8.4						8.39			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		8.1							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
92.5	10.4	8.1	0.0	35.1	0.0	102.9	35.1	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
8.08
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	8.1	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		20	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdnl) / (Cstdnl) i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

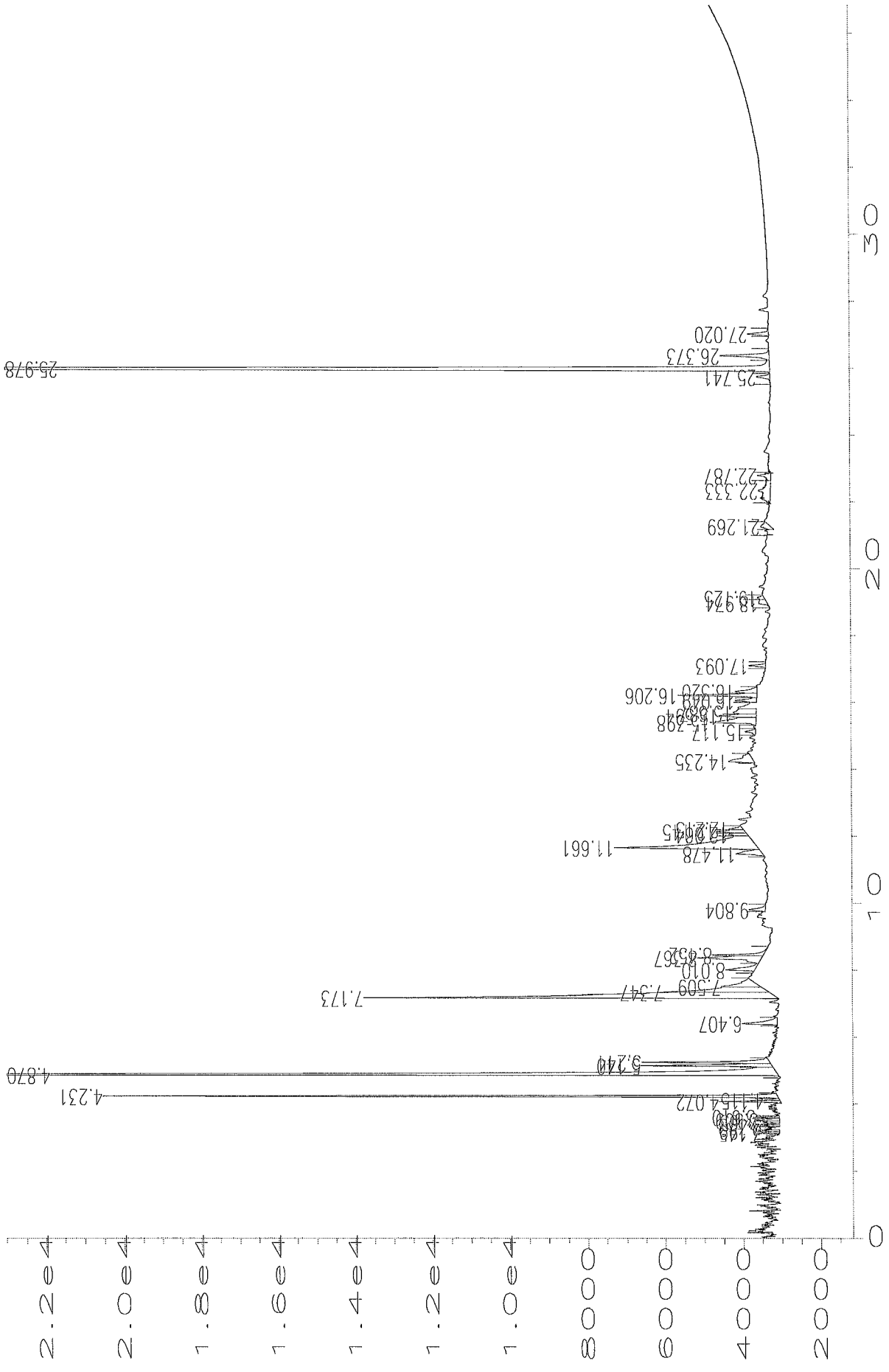
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	836	1.1	0.53	0.61
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	39331	50.1	25.07	30.93
Propene	3	TRG	42.1	1.75E+04	10529	13.4	4.47	7.72
Propane	3	TRG	44.1	1.75E+04	9894	12.6	4.20	7.60
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	16142	20.6	5.14	11.83
n-Butane	4	TRG	58.1	1.75E+04	9642	12.3	3.07	7.32
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.75E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.75E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	1245	1.6	0.26	0.93
3-Methylpentane	6	TRG	86.2	1.75E+04	4476	5.7	0.95	3.36
n-Hexane	6	TRG	86.2	1.75E+04	7151	9.1	1.52	5.37
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	1530	2.0	0.28	1.14
Benzene	6	TRG	78.1	1.75E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	885	1.1	0.14	0.66
n-Heptane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.75E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.75E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.75E+04	6583	8.4	1.05	4.91
Ethylbenzene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.75E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.75E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.75E+04	6341	8.1	0.90	4.42
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.75E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.75E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	114585	146.1	24.34	86.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	114585	146.1	146.07	95.78

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Sample Data Packages

SDG Number **226144**

Lab Id Number **21**

Client ID T-207

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 21

File Name: 2614421A
Description: T-207
Canister: 694
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:53
Date Analyzed: 08/07/2026 **Time:** 17:35
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.39	2.47	7.40	38.72	
115-07-1	Propene	1.33	4.00	2.99	2.30	6.90	5.16	J
74-98-6	Propane	1.33	4.00	6.14	2.41	7.23	11.10	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.64	2.30	6.90	3.77	J
106-97-8	n-Butane	1.00	3.00	10.19	2.38	7.14	24.27	
624-64-6	t-2-Butene	1.00	3.00	6.05	2.30	6.90	13.90	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	6.69	2.37	7.10	19.80	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	2.54	2.30	6.90	7.30	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	3.21	2.36	7.07	11.33	
110-54-3	n-Hexane	0.67	2.00	0.71	2.36	7.07	2.51	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.07	2.13	6.40	3.42	J
110-82-7	Cyclohexane	0.67	2.00	0.72	2.30	6.90	2.48	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.65	2.35	7.04	2.66	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	0.60	2.35	7.04	2.46	J
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.27	2.16	6.47	4.81	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.96	2.18	6.53	4.17	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.51	2.18	6.53	6.57	
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	1.49	2.18	6.53	6.48	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	0.48	2.19	6.57	2.37	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.98	2.19	6.57	9.74	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.84	2.19	6.57	4.12	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.49	2.19	6.57	2.43	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	61.13	26.50	79.49	215.95	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	366.77	29.51	88.52	240.50	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **21**
File Name: **2614421A** **B**
Sample ID: **T-207**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/07/2026**
QCBatch: **080726-GCK**
Can: **694**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:53** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **17:35** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **381246**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.01	**3.99**	1760	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.05			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.12**	49247	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.08**	7038	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.17**	14457	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.57**						134	351
106-98-9	1-Butene	P	7.29	7.26	**7.29**	5150	I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.28**	31981	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.69	**8.74**	18975	I	I	H	411	410
590-18-1	c-2-Butene	P	9.63	9.57	**9.58**		I	I	H	431	431
78-78-4	i-Pentane	P	11.37	11.30	**11.34**	26245	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.23						200	495
109-66-0	n-Pentane	P	12.48	**12.41**	**12.41**	2656	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.72	**12.74**		I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	13.01	**12.93**	2926	I	O	M	514	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.70	**13.73**		I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.81	**14.88**	9962	I	I	H	567	567
79-29-8	2,3-Dimethylbutane	P	15.06	14.99						165	570
107-83-5	2-Methylpentane	P	15.08	15.01	**15.02**	2000	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.48	**15.50**	15100	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.10**	**16.11**	3341	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.80	**16.87**	2949	I	I	H	623	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.99	**17.00**	1252	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.81**	**17.81**	5030	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.08	**18.09**	3379	I	I	H	661	658
591-76-4	2-Methylhexane	P	18.38	18.32	**18.34**	1207	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.39	**18.41**	952	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.60	**18.61**	3557	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.03	**19.03**	1656	I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.35	**19.35**	3294	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.03	**20.05**	2142	I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.87	**20.89**	1651	I	I	H	753	753
108-88-3	Toluene	P	21.12	**21.06**	**21.09**	6996	I	I	H	759	758
592-27-8	2-Methylheptane	P	21.33	21.30	**21.37**		I	I	H	769	768
589-81-1	3-Methylheptane	p	21.55	21.52	**21.52**		I	I	H	774	775
111-65-9	n-Octane	P	22.27	22.24	**22.28**	1371	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.72	**23.71**	6016	I	I	H	856	855
108-38-3	m,p-xylene	P	23.95	23.92	**23.95**	9467	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.37	**24.43**	2935	I	I	H	883	881
95-47-6	o-xylene	P	24.57	24.54	**24.58**	9342	I	O	M	889	886
111-84-2	n-Nonane	P	24.87	24.84	**24.86**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.33						-153	919
103-65-1	n-propylbenzene	P	25.93	25.90	**25.88**	2720	I	O	M	943	947
620-14-4	3-Ethyltoluene	P	26.17	26.14	**26.08**	3403	I	O	M	952	957
622-96-8	4-Ethyltoluene	P	26.26	26.23	**26.28**	13961	I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.42	**26.47**	5906	I	O	M	968	964
611-14-3	2-Ethyltoluene	P	26.61	26.58	**26.54**	3488	I	O	M	971	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.05	**27.07**		I	I	H	994	991
124-18-5	n-Decane	P	27.26	27.23	**27.22**	2944	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.52						-16	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.07	**28.00**		I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.20	**28.30**		I	O	M	1040	1037
1120-21-4	Undecane	P	29.86	29.88	**29.90**	1258	I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.48	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**287714**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					287714		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					287714		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.24	1.12	1.29	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	62.78	31.39	38.72	62.78	31.39	38.72	38.72
Propene	42.1	3	8.97	2.99	5.16	8.97	2.99	5.16	5.16
Propane	44.1	3	18.43	6.14	11.10	18.43	6.14	11.10	11.10
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	6.57	1.64	3.77	6.57	1.64	3.77	3.77
n-Butane	58.1	4	40.77	10.19	24.27	40.77	10.19	24.27	24.27
t-2-Butene	56.1	4	24.19	6.05	13.90	24.19	6.05	13.90	13.90
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	33.46	6.69	19.80	33.46	6.69	19.80	19.80
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	3.39	0.68	2.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	3.73	0.75	2.14	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	12.70	2.54	7.30	12.70	2.54	7.30	7.30
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	2.55	0.42	1.50	ND	ND	ND	0
3-Methylpentane	86.2	6	19.25	3.21	11.33	19.25	3.21	11.33	11.33
n-Hexane	86.2	6	4.26	**0.71**	2.51	4.26	0.71	2.51	2.51
Methylcyclopentane	84.2	6	3.76	0.63	2.16	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.60	0.23	0.94	ND	ND	ND	0
Benzene	78.1	6	6.41	1.07	3.42	6.41	1.07	3.42	3.42
Cyclohexane	84.2	6	4.31	0.72	2.48	4.31	0.72	2.48	2.48
2-Methylhexane	100.2	7	1.54	0.22	0.90	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	1.21	0.17	0.71	ND	ND	ND	0
3-Methylhexane	100.2	7	4.53	0.65	2.66	4.53	0.65	2.66	2.66
2,2,4-Trimethylpentane	114.2	8	2.11	0.26	1.24	ND	ND	ND	0
n-Heptane	100.2	7	4.20	0.60	2.46	4.20	0.60	2.46	2.46
Methylcyclohexane	98.2	7	2.73	0.39	1.57	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	2.10	0.26	1.23	ND	ND	ND	0
Toluene	92.1	7	8.92	1.27	4.81	8.92	1.27	4.81	4.81
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	1.75	0.22	1.02	ND	ND	ND	0
Ethylbenzene	106.2	8	7.67	0.96	4.17	7.67	0.96	4.17	4.17

m,p-xylene	106.2	8	12.07	1.51	6.57	12.07	1.51	6.57	6.57
Styrene	104.2	8	3.74	0.47	2.00	ND	ND	ND	0
o-xylene	106.2	8	11.91	1.49	6.48	11.91	1.49	6.48	6.48
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	3.47	0.39	1.90	ND	ND	ND	0
3-Ethyltoluene	120.2	9	4.34	0.48	2.37	4.34	0.48	2.37	2.37
4-Ethyltoluene	120.2	9	17.80	1.98	9.74	17.80	1.98	9.74	9.74
1,3,5-Trimethylbenzene	120.2	9	7.53	0.84	4.12	7.53	0.84	4.12	4.12
2-Ethyltoluene	120.2	9	4.45	0.49	2.43	4.45	0.49	2.43	2.43
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	3.75	0.38	2.19	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	1.60	0.15	0.93	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	366.77	61.1	216.0	366.77	61.13	215.95	215.95
Total Non-Methane Hydrocarbons-C1	16	1.0	366.77	366.8	240.5	366.77	366.77	240.50	240.50

SDG: **226144**
Laboratory Number: **21**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
38.72	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
5.16	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
11.10	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
3.77	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
24.27	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
13.90	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
19.80	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
7.30	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
11.33	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
2.51	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
3.42	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	J	=		Y
2.48	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
2.66	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
2.46	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
4.81	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
4.17	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=		Y

6.57	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
6.48	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
2.37	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
9.74	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
4.12	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
2.43	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
215.95	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
240.50	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.2		2.24		
					0.0			0.00	
62.8						62.78			
					9.0		8.97		
18.4						18.43			
		0.0				0.00			
					6.6		6.57		
40.8						40.77			
					24.2		24.19		
					0.0		0.00		
		33.5				33.46			
					0.0		0.00		
3.4						3.39			
					0.0		0.00		
					3.7		3.73		
		0.0				0.00			
				12.7					12.70
		0.0				0.00			
		2.5				2.55			
		19.2				19.25			
4.3						4.26			
				3.8					3.76
		1.6				1.60			
			6.4						
				4.3		4.31			
		1.5				1.54			
		1.2				1.21			
		4.5				4.53			
		2.1				2.11			
4.2						4.20			
				2.7					2.73
		2.1				2.10			
			8.9						
		0.0				0.00			
		0.0				0.00			
1.7						1.75			
			7.7						

		12.1							
		3.7							
		11.9							
0.0						0.00			
		0.0							
		3.5							
		4.3							
		17.8							
		7.5							
		4.4							
		0.0							
3.8						3.75			
		0.0							
		0.0							
		0.0							
1.6						1.60			
0.0						0.00			
140.9	68.4	88.3	23.5	45.7	0.0	213.6	45.7	0.0	19.2

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

6.41

8.92

7.67

12.07
3.74
11.91

0.00
3.47
4.34
17.80
7.53
4.45
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	88.3	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		21	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \times Ansamp \times CDF \times 1000}{(Avg\ RFn) \times SV} = \textbf{Cn}$

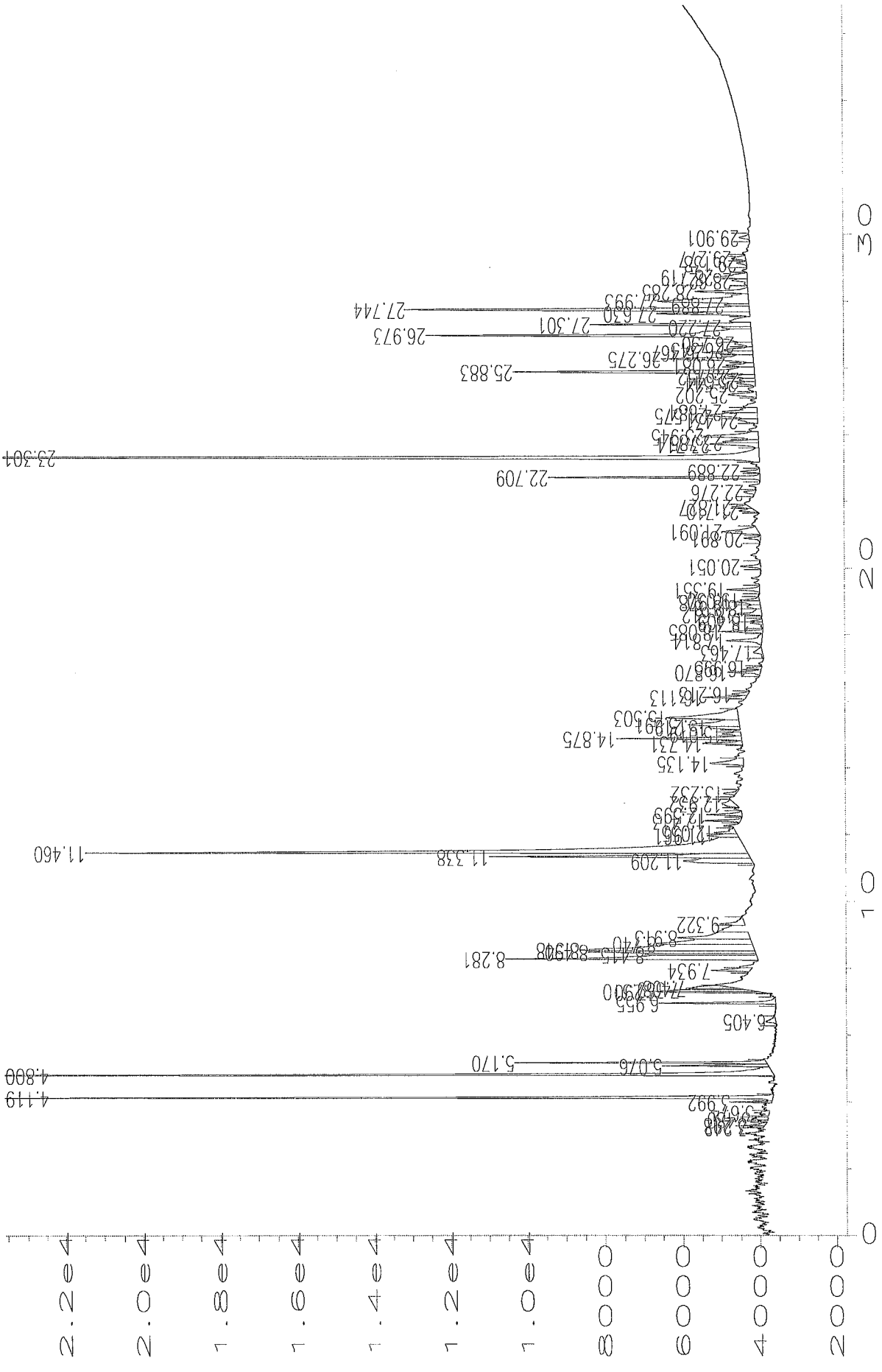
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv) \times MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	1760	2.2	1.12	1.29
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	49247	62.8	31.39	38.72
Propene	3	TRG	42.1	2.11E+04	7038	9.0	2.99	5.16
Propane	3	TRG	44.1	2.11E+04	14457	18.4	6.14	11.10
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	5150	6.6	1.64	3.77
n-Butane	4	TRG	58.1	2.11E+04	31981	40.8	10.19	24.27
t-2-Butene	4	TRG	56.1	2.11E+04	18975	24.2	6.05	13.90
c-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.11E+04	26245	33.5	6.69	19.80
1-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.11E+04	2656	3.4	0.68	2.00
t-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.11E+04	2926	3.7	0.75	2.14
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.11E+04	9962	12.7	2.54	7.30
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	2000	2.5	0.42	1.50
3-Methylpentane	6	TRG	86.2	2.11E+04	15100	19.2	3.21	11.33
n-Hexane	6	TRG	86.2	2.11E+04	3341	4.3	0.71	2.51
Methylcyclopentane	6	TRG	84.2	2.11E+04	2949	3.8	0.63	2.16
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	1252	1.6	0.23	0.94
Benzene	6	TRG	78.1	2.11E+04	5030	6.4	1.07	3.42
Cyclohexane	6	TRG	84.2	2.11E+04	3379	4.3	0.72	2.48
2-Methylhexane	7	TRG	100.2	2.11E+04	1207	1.5	0.22	0.90
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	952	1.2	0.17	0.71
3-Methylhexane	7	TRG	100.2	2.11E+04	3557	4.5	0.65	2.66
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	1656	2.1	0.26	1.24
n-Heptane	7	TRG	100.2	2.11E+04	3294	4.2	0.60	2.46
Methylcyclohexane	7	TRG	98.2	2.11E+04	2142	2.7	0.39	1.57
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	1651	2.1	0.26	1.23
Toluene	7	TRG	92.1	2.11E+04	6996	8.9	1.27	4.81
2-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.11E+04	1371	1.7	0.22	1.02
Ethylbenzene	8	TRG	106.2	2.11E+04	6016	7.7	0.96	4.17

m,p-xylene	8	TRG	106.2	2.11E+04	9467	12.1	1.51	6.57
Styrene	8	TRG	104.2	2.11E+04	2935	3.7	0.47	2.00
o-xylene	8	TRG	106.2	2.11E+04	9342	11.9	1.49	6.48
n-Nonane	9	TRG	128.3	2.11E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.11E+04	2720	3.5	0.39	1.90
3-Ethyltoluene	9	TRG	120.2	2.11E+04	3403	4.3	0.48	2.37
4-Ethyltoluene	9	TRG	120.2	2.11E+04	13961	17.8	1.98	9.74
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	5906	7.5	0.84	4.12
2-Ethyltoluene	9	TRG	120.2	2.11E+04	3488	4.4	0.49	2.43
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.11E+04	2944	3.8	0.38	2.19
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.11E+04	1258	1.6	0.15	0.93
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	287714	366.8	61.13	215.95
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	287714	366.8	366.77	240.50

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Sample Data Packages

SDG Number 226144

Lab Id Number 22

Client ID T-208

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Canister: 526
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 08/07/2026 **Time:** 18:25
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	8.71	2.30	6.91	10.04	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.59	2.47	7.40	38.97	
115-07-1	Propene	1.33	4.00	109.50	2.30	6.90	188.93	
74-98-6	Propane	1.33	4.00	347.67	2.41	7.23	628.37	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	84.53	2.38	7.14	201.28	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	28.66	2.37	7.10	84.82	
109-67-1	1-Pentene	0.80	2.40	5.72	2.30	6.90	16.44	
109-66-0	n-Pentane	0.80	2.40	5.92	2.36	7.09	17.48	
646-04-8	t-2-Pentene	0.80	2.40	0.99	2.30	6.90	2.84	J
627-20-3	c-2-Pentene	0.80	2.40	0.93	2.30	6.90	2.67	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.15	2.36	7.07	4.05	J
287-92-3	Cyclopentane	0.80	2.40	2.96	2.30	6.90	8.50	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	3.26	2.36	7.07	11.52	
96-14-0	3-Methylpentane	0.67	2.00	6.44	2.36	7.07	22.75	
110-54-3	n-Hexane	0.67	2.00	3.56	2.36	7.07	12.57	
96-37-7	Methylcyclopentane	0.67	2.00	2.23	2.30	6.90	7.71	
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.07	2.35	7.04	4.40	J
71-43-2	Benzene	0.67	2.00	4.64	2.13	6.40	14.87	
110-82-7	Cyclohexane	0.67	2.00	4.02	2.30	6.90	13.88	
591-76-4	2-Methylhexane	0.57	1.71	3.83	2.35	7.04	15.74	
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.83	2.35	7.04	7.53	
589-34-4	3-Methylhexane	0.57	1.71	6.37	2.35	7.04	26.16	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	10.99	2.34	7.02	51.46	
142-82-5	n-Heptane	0.57	1.71	19.92	2.35	7.04	81.80	
108-87-2	Methylcyclohexane	0.57	1.71	5.95	2.30	6.90	23.96	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	3.13	2.34	7.02	14.67	
108-88-3	Toluene	0.57	1.71	99.87	2.16	6.47	376.96	
592-27-8	2-Methylheptane	0.50	1.50	2.79	2.34	7.02	13.07	
589-81-1	3-Methylheptane	0.50	1.50	3.97	2.34	7.02	18.59	
111-65-9	n-Octane	0.50	1.50	10.65	2.34	7.02	49.84	
100-41-4	Ethylbenzene	0.50	1.50	67.07	2.18	6.53	291.94	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	110.48	2.18	6.53	480.85	
100-42-5	Styrene	0.50	1.50	2.33	2.14	6.41	9.96	
95-47-6	o-xylene	0.50	1.50	43.32	2.18	6.53	188.57	
111-84-2	n-Nonane	0.44	1.33	29.86	2.34	7.01	157.03	
98-82-8	i-Propylbenzene	0.44	1.33	10.43	2.19	6.57	51.39	
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	8.46	2.19	6.57	41.68	
622-96-8	4-Ethyltoluene	0.44	1.33	51.34	2.19	6.57	252.92	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	9.77	2.19	6.57	48.11	
611-14-3	2-Ethyltoluene	0.44	1.33	14.95	2.19	6.57	73.66	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	61.65	2.19	6.57	303.71	
124-18-5	n-Decane	0.40	1.20	17.38	2.33	7.00	101.35	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	5.87	2.20	6.60	32.27	
1120-21-4	Undecane	0.36	1.09	3.18	2.33	6.99	20.35	
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	1,187.63	26.50	79.49	4,195.65	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	7,125.80	29.51	88.52	4,672.65	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 22
File Name: 2614422A B
Sample ID: T-208
Sampled: 7/21/2026
Received: 07/24/26
Analyzed: 08/07/2026
QCBatch: 080726-GCK
Can: 526
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 10:45 Matrix AA
Time: 16:10 Chem TRG
Time: 18:25 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 381246
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.08**	13673	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**	49567	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.08**	257692	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.18**	818195	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.58**						132	351
106-98-9	1-Butene	P	7.29	7.27	**7.32**	1812	I	I	H	369	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.26**	265242	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.67						200	410
590-18-1	c-2-Butene	P	9.63	9.55	**9.58**		I	I	H	432	431
78-78-4	i-Pentane	P	11.37	11.29	**11.33**	112426	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.22	**12.25**	22439	I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.40**	**12.40**	23205	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.71	**12.75**	3872	I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	13.00	**13.05**	3649	I	I	H	517	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.69	**13.72**	5390	I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.80	**14.88**	11605	I	I	H	567	567
79-29-8	2,3-Dimethylbutane	P	15.06	14.98						166	570
107-83-5	2-Methylpentane	P	15.08	15.00	**15.01**	15342	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.47	**15.50**	30309	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.09**	**16.11**	16748	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.80	**16.87**	10516	I	I	H	624	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.99	**17.00**	5877	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.81**	**17.80**	21861	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.07	**18.09**	18925	I	O	M	661	658
591-76-4	2-Methylhexane	P	18.38	18.31	**18.33**	21046	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.38	**18.40**	10075	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.59	**18.61**	34979	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.02	**18.98**	68997	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.34	**19.34**	109383	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.02	**20.05**	32691	I	I	H	725	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.86	**20.89**	19674	I	I	H	754	753
108-88-3	Toluene	P	21.12	**21.05**	**21.07**	548390	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.28	**21.30**	17529	I	I	H	768	768
589-81-1	3-Methylheptane	p	21.55	21.50	**21.52**	24927	I	I	H	776	775
111-65-9	n-Octane	P	22.27	22.22	**22.22**	66831	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.70	**23.71**	420933	I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.90	**23.94**	693320	I	I	H	866	863
100-42-5	Styrene	P	24.40	24.35	**24.29**	14637	I	I	H	879	881
95-47-6	o-xylene	P	24.57	24.52	**24.55**	271891	I	O	M	889	886
111-84-2	n-Nonane	P	24.87	24.82	**24.84**	210848	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.31	**25.35**	73648	I	I	H	922	919
103-65-1	n-propylbenzene	P	25.93	25.88	**25.92**	59736	I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.12	**26.10**		I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.21	**26.29**	362478	I	I	H	961	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.40	**26.42**	68943	I	I	H	966	964
611-14-3	2-Ethyltoluene	P	26.61	26.56	**26.57**	105568	I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.03	**27.01**	435262	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.21	**27.22**	136331	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.50						-27	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.05	**28.03**		I	I	H	1031	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.18	**28.18**	46024	I	I	H	1036	1037
1120-21-4	Undecane	P	29.86	29.83	**29.87**	27417	I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.43	**32.46**		I	I	H	1200	1200

Abbreviation	**Total Petroleum Hydrocarbons:**	**5589903**	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	5589903	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	5589903	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	17.43	8.71	10.04	17.43	8.71	10.04	10.04
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	63.19	31.59	38.97	63.19	31.59	38.97	38.97
Propene	42.1	3	328.50	109.50	188.93	328.50	109.50	188.93	188.93
Propane	44.1	3	1043.00	347.67	628.37	1,043.00	347.67	628.37	628.37
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.31	0.58	1.33	ND	ND	ND	0
n-Butane	58.1	4	338.12	84.53	201.28	338.12	84.53	201.28	201.28
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	143.32	28.66	84.82	143.32	28.66	84.82	84.82
1-Pentene	70.1	5	28.60	5.72	16.44	28.60	5.72	16.44	16.44
n-Pentane	72.1	5	29.58	5.92	17.48	29.58	5.92	17.48	17.48
t-2-Pentene	70.1	5	4.94	0.99	2.84	4.94	0.99	2.84	2.84
c-2-Pentene	70.1	5	4.65	0.93	2.67	4.65	0.93	2.67	2.67
2,2-Dimethylbutane	86.2	6	6.87	1.15	4.05	6.87	1.15	4.05	4.05
Cyclopentane	70.1	5	14.79	2.96	8.50	14.79	2.96	8.50	8.50
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	19.56	3.26	11.52	19.56	3.26	11.52	11.52
3-Methylpentane	86.2	6	38.64	6.44	22.75	38.64	6.44	22.75	22.75
n-Hexane	86.2	6	21.35	**3.56**	12.57	21.35	3.56	12.57	12.57
Methylcyclopentane	84.2	6	13.41	2.23	7.71	13.41	2.23	7.71	7.71
2,4-Dimethylpentane	100.2	7	7.49	1.07	4.40	7.49	1.07	4.40	4.40
Benzene	78.1	6	27.87	4.64	14.87	27.87	4.64	14.87	14.87
Cyclohexane	84.2	6	24.12	4.02	13.88	24.12	4.02	13.88	13.88
2-Methylhexane	100.2	7	26.83	3.83	15.74	26.83	3.83	15.74	15.74
2,3-Dimethylpentane	100.2	7	12.84	1.83	7.53	12.84	1.83	7.53	7.53
3-Methylhexane	100.2	7	44.59	6.37	26.16	44.59	6.37	26.16	26.16
2,2,4-Trimethylpentane	114.2	8	87.95	10.99	51.46	87.95	10.99	51.46	51.46
n-Heptane	100.2	7	139.44	19.92	81.80	139.44	19.92	81.80	81.80
Methylcyclohexane	98.2	7	41.67	5.95	23.96	41.67	5.95	23.96	23.96
2,3,4-Trimethylpentane	114.2	8	25.08	3.13	14.67	25.08	3.13	14.67	14.67
Toluene	92.1	7	699.07	99.87	376.96	699.07	99.87	376.96	376.96
2-Methylheptane	114.2	8	22.35	2.79	13.07	22.35	2.79	13.07	13.07
3-Methylheptane	114.2	8	31.78	3.97	18.59	31.78	3.97	18.59	18.59
n-Octane	114.2	8	85.19	10.65	49.84	85.19	10.65	49.84	49.84
Ethylbenzene	106.2	8	536.59	67.07	291.94	536.59	67.07	291.94	291.94

m,p-xylene	106.2	8	883.82	110.48	480.85	883.82	110.48	480.85	480.85
Styrene	104.2	8	18.66	2.33	9.96	18.66	2.33	9.96	9.96
o-xylene	106.2	8	346.60	43.32	188.57	346.60	43.32	188.57	188.57
n-Nonane	128.3	9	268.78	29.86	157.03	268.78	29.86	157.03	157.03
i-Propylbenzene	120.2	9	93.88	10.43	51.39	93.88	10.43	51.39	51.39
n-propylbenzene	120.2	9	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	120.2	9	76.15	8.46	41.68	76.15	8.46	41.68	41.68
4-Ethyltoluene	120.2	9	462.07	51.34	252.92	462.07	51.34	252.92	252.92
1,3,5-Trimethylbenzene	120.2	9	87.89	9.77	48.11	87.89	9.77	48.11	48.11
2-Ethyltoluene	120.2	9	134.57	14.95	73.66	134.57	14.95	73.66	73.66
1,2,4-Trimethylbenzene	120.2	9	554.86	61.65	303.71	554.86	61.65	303.71	303.71
n-Decane	142.3	10	173.79	17.38	101.35	173.79	17.38	101.35	101.35
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	58.67	5.87	32.27	58.67	5.87	32.27	32.27
Undecane	156.3	11	34.95	3.18	20.35	34.95	3.18	20.35	20.35
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	7125.80	1187.6	4195.7	7,125.80	1,187.63	4,195.65	4,195.65
Total Non-Methane Hydrocarbons-C1	16	1.0	7125.80	7125.8	4672.7	7,125.80	7,125.80	4,672.65	4,672.65

SDG: **226144**
Laboratory Number: **22**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
10.04	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0		=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
38.97	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
188.93	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
628.37	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
201.28	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
84.82	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
16.44	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
17.48	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0		=		Y
2.84	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
2.67	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
4.05	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
8.50	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
11.52	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
22.75	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
12.57	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
7.71	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
4.40	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
14.87	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0		=		Y
13.88	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
15.74	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
7.53	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
26.16	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
51.46	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
81.80	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
23.96	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0		=		Y
14.67	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
376.96	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
13.07	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
18.59	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
49.84	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
291.94	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=		Y

480.85	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
9.96	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0		=	Y
188.57	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
157.03	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0		=	Y
51.39	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
#REF!	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	#REF!	#REF!	Y
41.68	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
252.92	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
48.11	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
73.66	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
303.71	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
101.35	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
32.27	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0		=	Y
20.35	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0		=	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
4,195.65	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
4,672.65	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					17.4		17.43		
					0.0			0.00	
63.2						63.19			
					328.5		328.50		
1043.0						1043.00			
	0.0					0.00			
					2.3		2.31		
338.1						338.12			
					0.0		0.00		
					0.0		0.00		
	143.3					143.32			
					28.6		28.60		
29.6						29.58			
					4.9		4.94		
					4.7		4.65		
	6.9					6.87			
				14.8					14.79
	0.0					0.00			
	19.6					19.56			
	38.6					38.64			
21.3						21.35			
				13.4					13.41
	7.5					7.49			
		27.9							
				24.1		24.12			
	26.8					26.83			
	12.8					12.84			
	44.6					44.59			
	88.0					87.95			
139.4						139.44			
				41.7					41.67
	25.1					25.08			
		699.1							
	22.3					22.35			
	31.8					31.78			
85.2						85.19			
		536.6							

		883.8							
		18.7							
		346.6							
268.8						268.78			
		93.9							
		#REF!							
		76.1							
		462.1							
		87.9							
		134.6							
		554.9							
173.8						173.79			
		0.0							
		0.0							
		58.7							
35.0						34.95			
0.0						0.00			
2197.4	467.3	#REF!	94.0	386.4	0.0	2688.8	386.4	0.0	69.9

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

27.87

699.07

536.59

883.82
18.66
346.60

93.88
#REF!
76.15
462.07
87.89
134.57
554.86

0.00
0.00
58.67

0.0	0.0	0.0	0.0	#REF!	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		22	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\ \left|\frac{\text{(Astdnl)}}{\text{(Cstdnl)}}\right|_i}{}$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

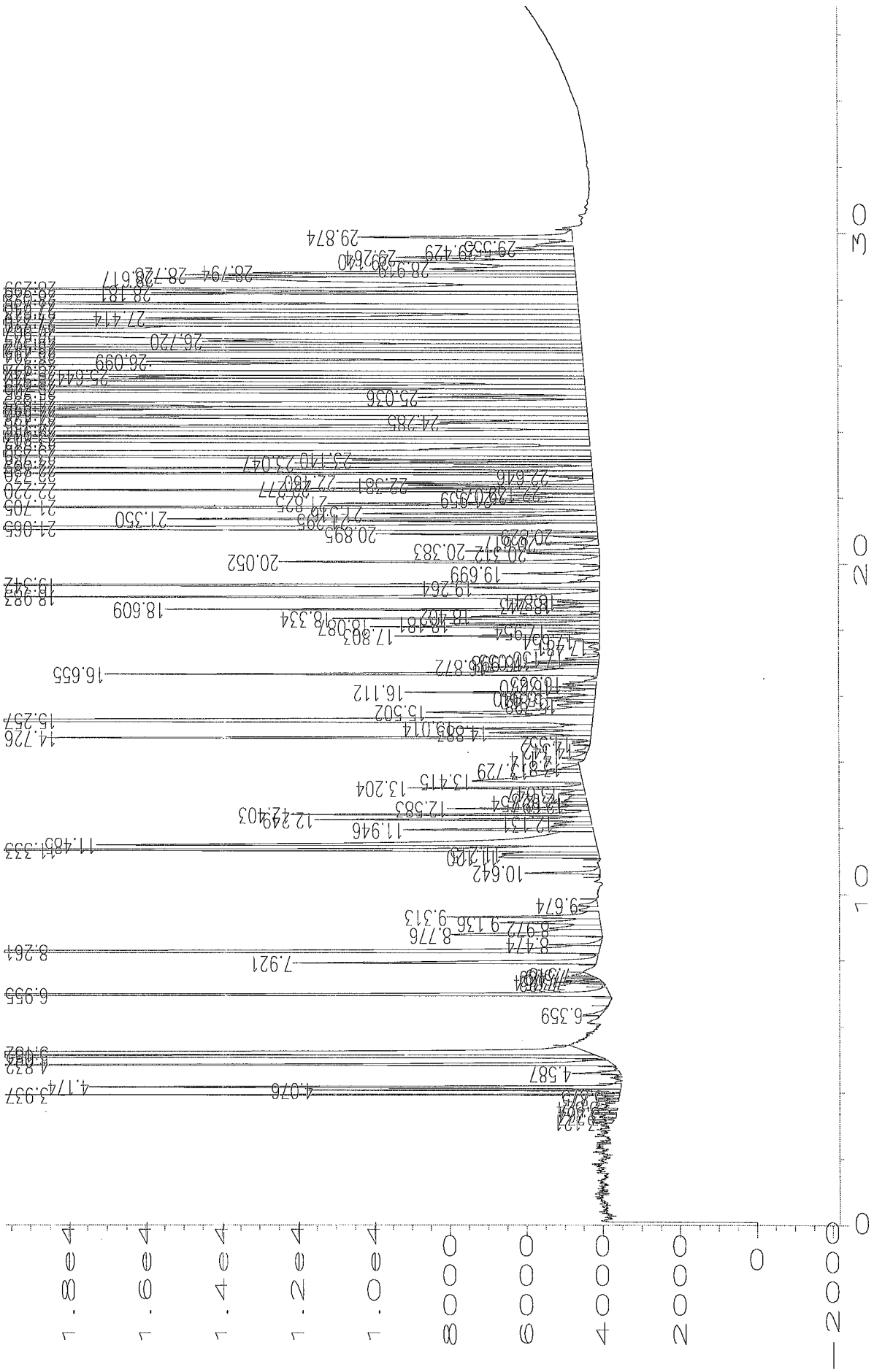
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	13673	17.4	8.71	10.04
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	49567	63.2	31.59	38.97
Propene	3	TRG	42.1	2.11E+04	257692	328.5	109.50	188.93
Propane	3	TRG	44.1	2.11E+04	818195	1043.0	347.67	628.37
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	1812	2.3	0.58	1.33
n-Butane	4	TRG	58.1	2.11E+04	265242	338.1	84.53	201.28
t-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.11E+04	112426	143.3	28.66	84.82
1-Pentene	5	TRG	70.1	2.11E+04	22439	28.6	5.72	16.44
n-Pentane	5	TRG	72.1	2.11E+04	23205	29.6	5.92	17.48
t-2-Pentene	5	TRG	70.1	2.11E+04	3872	4.9	0.99	2.84
c-2-Pentene	5	TRG	70.1	2.11E+04	3649	4.7	0.93	2.67
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	5390	6.9	1.15	4.05
Cyclopentane	5	TRG	70.1	2.11E+04	11605	14.8	2.96	8.50
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	15342	19.6	3.26	11.52
3-Methylpentane	6	TRG	86.2	2.11E+04	30309	38.6	6.44	22.75
n-Hexane	6	TRG	86.2	2.11E+04	16748	21.3	3.56	12.57
Methylcyclopentane	6	TRG	84.2	2.11E+04	10516	13.4	2.23	7.71
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	5877	7.5	1.07	4.40
Benzene	6	TRG	78.1	2.11E+04	21861	27.9	4.64	14.87
Cyclohexane	6	TRG	84.2	2.11E+04	18925	24.1	4.02	13.88
2-Methylhexane	7	TRG	100.2	2.11E+04	21046	26.8	3.83	15.74
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	10075	12.8	1.83	7.53
3-Methylhexane	7	TRG	100.2	2.11E+04	34979	44.6	6.37	26.16
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	68997	88.0	10.99	51.46
n-Heptane	7	TRG	100.2	2.11E+04	109383	139.4	19.92	81.80
Methylcyclohexane	7	TRG	98.2	2.11E+04	32691	41.7	5.95	23.96
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	19674	25.1	3.13	14.67
Toluene	7	TRG	92.1	2.11E+04	548390	699.1	99.87	376.96
2-Methylheptane	8	TRG	114.2	2.11E+04	17529	22.3	2.79	13.07
3-Methylheptane	8	TRG	114.2	2.11E+04	24927	31.8	3.97	18.59
n-Octane	8	TRG	114.2	2.11E+04	66831	85.2	10.65	49.84
Ethylbenzene	8	TRG	106.2	2.11E+04	420933	536.6	67.07	291.94

m,p-xylene	8	TRG	106.2	2.11E+04	693320	883.8	110.48	480.85
Styrene	8	TRG	104.2	2.11E+04	14637	18.7	2.33	9.96
o-xylene	8	TRG	106.2	2.11E+04	271891	346.6	43.32	188.57
n-Nonane	9	TRG	128.3	2.11E+04	210848	268.8	29.86	157.03
i-Propylbenzene	9	TRG	120.2	2.11E+04	73648	93.9	10.43	51.39
n-propylbenzene	9	TRG	120.2	2.11E+04	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	9	TRG	120.2	2.11E+04	59736	76.1	8.46	41.68
4-Ethyltoluene	9	TRG	120.2	2.11E+04	362478	462.1	51.34	252.92
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	68943	87.9	9.77	48.11
2-Ethyltoluene	9	TRG	120.2	2.11E+04	105568	134.6	14.95	73.66
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	435262	554.9	61.65	303.71
n-Decane	10	TRG	142.3	2.11E+04	136331	173.8	17.38	101.35
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	46024	58.7	5.87	32.27
Undecane	11	TRG	156.3	2.11E+04	27417	35.0	3.18	20.35
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	5589903	7125.8	1187.63	4195.65
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	5589903	7125.8	7125.80	4672.65

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Sample Data Packages

SDG Number 226144

Lab Id Number 23

Client ID T-209

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Canister: 856
QC_Batch: 080726-GCK

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 08/07/2026 **Time:** 19:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	18.64	2.47	7.40	23.00	
115-07-1	Propene	1.33	4.00	4.72	2.30	6.90	8.14	
74-98-6	Propane	1.33	4.00	5.07	2.41	7.23	9.17	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.01	2.38	7.14	4.78	J
624-64-6	t-2-Butene	1.00	3.00	1.11	2.30	6.90	2.54	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.42	2.37	7.10	4.21	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.87	2.36	7.07	10.13	
110-54-3	n-Hexane	0.67	2.00	1.04	2.36	7.07	3.69	J
96-37-7	Methylcyclopentane	0.67	2.00	1.02	2.30	6.90	3.50	J
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	2.69	2.13	6.40	8.60	
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.69	2.35	7.04	2.84	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.32	2.35	7.04	5.43	J
589-34-4	3-Methylhexane	0.57	1.71	0.59	2.35	7.04	2.44	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.78	2.16	6.47	6.73	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	1.72	2.18	6.53	7.47	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	3.07	2.18	6.53	13.35	
100-42-5	Styrene	0.50	1.50	0.96	2.14	6.41	4.10	J
95-47-6	o-xylene	0.50	1.50	1.47	2.18	6.53	6.39	J
111-84-2	n-Nonane	0.44	1.33	0.50	2.34	7.01	2.65	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.61	2.19	6.57	7.92	
622-96-8	4-Ethyltoluene	0.44	1.33	1.45	2.19	6.57	7.14	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.75	2.19	6.57	3.71	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.59	2.19	6.57	2.92	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.06	2.19	6.57	5.21	J
124-18-5	n-Decane	0.40	1.20	0.57	2.33	7.00	3.30	J
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.52	2.20	6.60	2.89	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	51.44	26.50	79.49	181.74	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	308.66	29.51	88.52	202.40	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **23**
File Name: **2614423A** **B**
Sample ID: **T-209**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/07/2026**
QCBatch: **080726-GCK**
Can: **856**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:02** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **19:34** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **381246**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.97	**3.99**	2302	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.01			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.08**	29246	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.08**	11108	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.17**	11938	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.57**						135	351
106-98-9	1-Butene	P	7.29	7.26	**7.28**	1907	I	I	H	367	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.31**	6300	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.72	**8.79**	3471	I	I	H	412	410
590-18-1	c-2-Butene	P	9.63	9.60	**9.58**		I	I	H	431	431
78-78-4	i-Pentane	P	11.37	11.31	**11.31**	5579	I	I	H	473	473
109-67-1	1-Pentene	P	12.30	12.24	**12.25**		I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.42**	**12.42**	2332	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.73	**12.75**		I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	13.02	**13.05**		I	I	H	517	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.71	**13.72**		I	I	H	535	537
287-92-3	Cyclopentane	P	14.88	14.82	**14.90**	1451	I	I	H	567	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.00						165	570
107-83-5	2-Methylpentane	P	15.08	15.02	**15.04**	1758	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.49	**15.52**	13495	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.11**	**16.13**	4911	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.82	**16.88**	4778	I	I	H	623	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.01	**17.01**	942	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.83**	**17.82**	12649	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.09	**18.09**		I	I	H	661	658
591-76-4	2-Methylhexane	P	18.38	18.33	**18.35**	3804	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.40	**18.49**	7258	I	I	H	673	671
589-34-4	3-Methylhexane	P	18.66	18.61	**18.62**	3267	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.04	**19.01**	2912	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.36	**19.36**	1473	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.04	**20.05**		I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.88	**20.89**		I	I	H	753	753
108-88-3	Toluene	P	21.12	**21.07**	**21.08**	9789	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.29	**21.30**		I	I	H	767	768
589-81-1	3-Methylheptane	p	21.55	21.51	**21.55**	2296	I	I	H	776	775
111-65-9	n-Octane	P	22.27	22.23	**22.23**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.71	**23.70**	10771	I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.91	**23.92**	19247	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.36	**24.43**	6019	I	O	M	885	881
95-47-6	o-xylene	P	24.57	24.53	**24.54**	9219	I	O	M	889	886
111-84-2	n-Nonane	P	24.87	24.83	**24.82**	3553	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.32	**25.35**	1236	I	O	M	922	919
103-65-1	n-propylbenzene	P	25.93	25.89	**25.87**	11348	I	I	H	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.13	**26.07**		I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.22	**26.25**	10237	I	I	H	960	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.41	**26.41**	5324	I	I	H	967	964
611-14-3	2-Ethyltoluene	P	26.61	26.57	**26.54**	4183	I	I	H	972	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.04	**27.03**	7468	I	I	H	993	991
124-18-5	n-Decane	P	27.26	27.22	**27.20**	4442	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.51	**27.57**		I	I	H	1014	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.06						-26	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.19	**28.28**	4115	I	O	M	1041	1037
1120-21-4	Undecane	P	29.86	29.82	**29.85**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.42	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**242128**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					242128		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					242128		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.93	1.47	1.69	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	37.28	18.64	23.00	37.28	18.64	23.00	23.00
Propene	42.1	3	14.16	4.72	8.14	14.16	4.72	8.14	8.14
Propane	44.1	3	15.22	5.07	9.17	15.22	5.07	9.17	9.17
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.43	0.61	1.40	ND	ND	ND	0
n-Butane	58.1	4	8.03	2.01	4.78	8.03	2.01	4.78	4.78
t-2-Butene	56.1	4	4.42	1.11	2.54	4.42	1.11	2.54	2.54
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	7.11	1.42	4.21	7.11	1.42	4.21	4.21
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	2.97	0.59	1.76	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	1.85	0.37	1.06	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	2.24	0.37	1.32	ND	ND	ND	0
3-Methylpentane	86.2	6	17.20	2.87	10.13	17.20	2.87	10.13	10.13
n-Hexane	86.2	6	6.26	**1.04**	3.69	6.26	1.04	3.69	3.69
Methylcyclopentane	84.2	6	6.09	1.02	3.50	6.09	1.02	3.50	3.50
2,4-Dimethylpentane	100.2	7	1.20	0.17	0.70	ND	ND	ND	0
Benzene	78.1	6	16.12	2.69	8.60	16.12	2.69	8.60	8.60
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	4.85	0.69	2.84	4.85	0.69	2.84	2.84
2,3-Dimethylpentane	100.2	7	9.25	1.32	5.43	9.25	1.32	5.43	5.43
3-Methylhexane	100.2	7	4.16	0.59	2.44	4.16	0.59	2.44	2.44
2,2,4-Trimethylpentane	114.2	8	3.71	0.46	2.17	ND	ND	ND	0
n-Heptane	100.2	7	1.88	0.27	1.10	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	12.48	1.78	6.73	12.48	1.78	6.73	6.73
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	2.93	0.37	1.71	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	13.73	1.72	7.47	13.73	1.72	7.47	7.47

m,p-xylene	106.2	8	24.54	3.07	13.35	24.54	3.07	13.35	13.35
Styrene	104.2	8	7.67	0.96	4.10	7.67	0.96	4.10	4.10
o-xylene	106.2	8	11.75	1.47	6.39	11.75	1.47	6.39	6.39
n-Nonane	128.3	9	4.53	0.50	2.65	4.53	0.50	2.65	2.65
i-Propylbenzene	120.2	9	1.58	0.18	0.86	ND	ND	ND	0
n-propylbenzene	120.2	9	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	120.2	9	14.47	1.61	7.92	14.47	1.61	7.92	7.92
4-Ethyltoluene	120.2	9	13.05	1.45	7.14	13.05	1.45	7.14	7.14
1,3,5-Trimethylbenzene	120.2	9	6.79	0.75	3.71	6.79	0.75	3.71	3.71
2-Ethyltoluene	120.2	9	5.33	0.59	2.92	5.33	0.59	2.92	2.92
1,2,4-Trimethylbenzene	120.2	9	9.52	1.06	5.21	9.52	1.06	5.21	5.21
n-Decane	142.3	10	5.66	0.57	3.30	5.66	0.57	3.30	3.30
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	5.25	0.52	2.89	5.25	0.52	2.89	2.89
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	308.66	51.4	181.7	308.66	51.44	181.74	181.74
Total Non-Methane Hydrocarbons-C1	16	1.0	308.66	308.7	202.4	308.66	308.66	202.40	202.40

SDG: **226144**
Laboratory Number: **23**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
23.00	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
8.14	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
9.17	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
4.78	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
2.54	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
4.21	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	J	=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
10.13	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
3.69	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
3.50	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
8.60	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
2.84	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
5.43	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
2.44	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
6.73	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
7.47	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=		Y

13.35	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
4.10	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	J	=	Y
6.39	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
2.65	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
#REF!	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	#REF!	#REF!	Y
7.92	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
7.14	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
3.71	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
2.92	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
5.21	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
3.30	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
2.89	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
181.74	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
202.40	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.9		2.93		
					0.0			0.00	
37.3						37.28			
					14.2		14.16		
15.2						15.22			
		0.0				0.00			
					2.4		2.43		
8.0						8.03			
					4.4		4.42		
					0.0		0.00		
		7.1				7.11			
					0.0		0.00		
3.0						2.97			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				1.8					1.85
		0.0				0.00			
		2.2				2.24			
		17.2				17.20			
6.3						6.26			
				6.1					6.09
		1.2				1.20			
			16.1						
				0.0		0.00			
		4.8				4.85			
		9.3				9.25			
		4.2				4.16			
		3.7				3.71			
1.9						1.88			
				0.0					0.00
		0.0				0.00			
			12.5						
		0.0				0.00			
		2.9				2.93			
0.0						0.00			
			13.7						

		24.5								
		7.7								
		11.8								
4.5						4.53				
		1.6								
		#REF!								
		14.5								
		13.0								
		6.8								
		5.3								
		9.5								
5.7						5.66				
		0.0								
		0.0								
		5.2								
0.0						0.00				
0.0						0.00				
81.8	52.7	#REF!	7.9	24.0	0.0	134.5	24.0	0.0	7.9	

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

16.12

12.48

13.73

				24.54	
				7.67	
				11.75	
				1.58	
				#REF!	
				14.47	
				13.05	
				6.79	
				5.33	
				9.52	
				0.00	
				0.00	
				5.25	
0.0	0.0	0.0	0.0	#REF!	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		23	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum |(Astdni) / (Cstdni)|

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = Cn

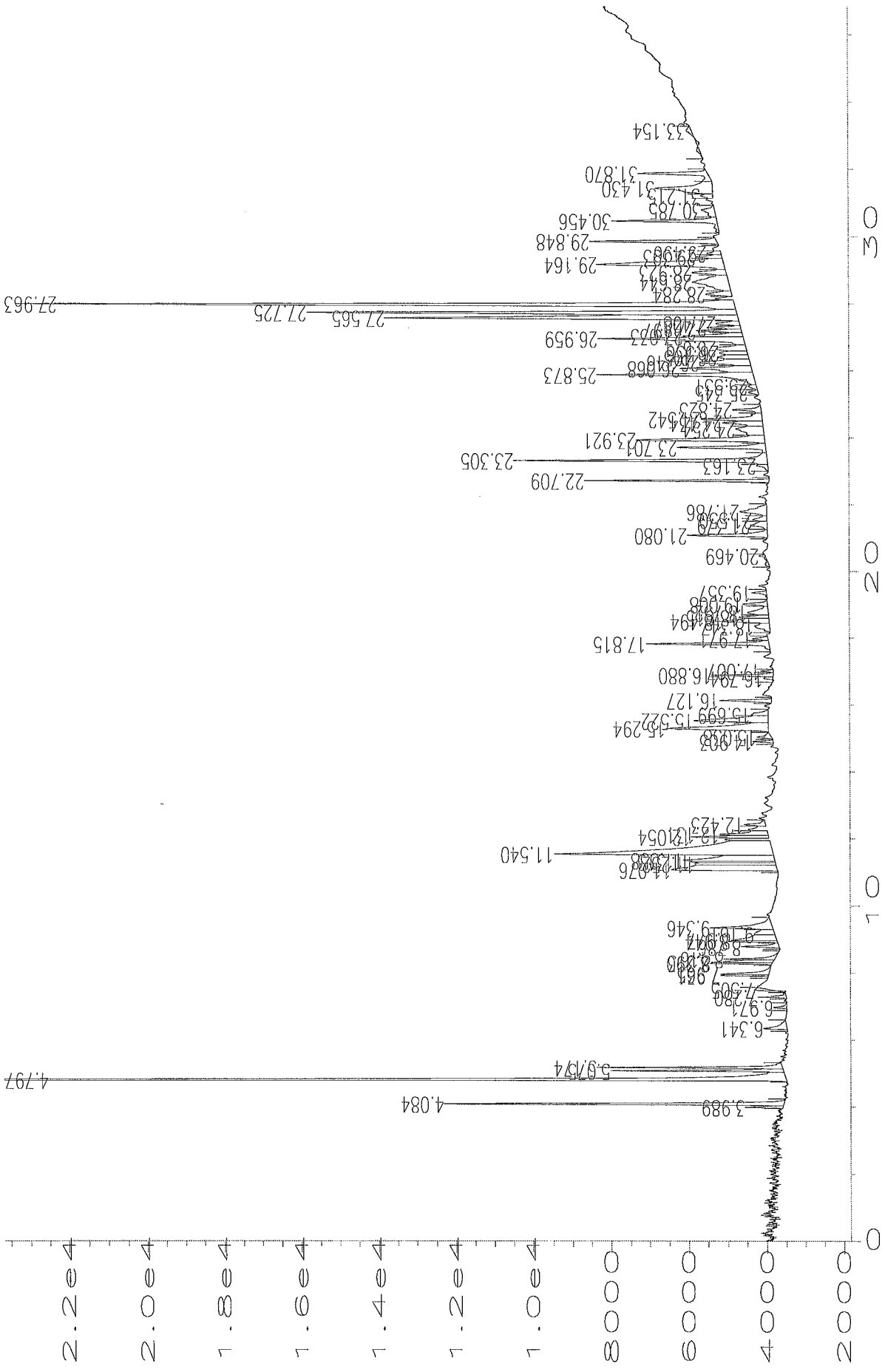
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	2302	2.9	1.47	1.69
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	29246	37.3	18.64	23.00
Propene	3	TRG	42.1	2.11E+04	11108	14.2	4.72	8.14
Propane	3	TRG	44.1	2.11E+04	11938	15.2	5.07	9.17
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	1907	2.4	0.61	1.40
n-Butane	4	TRG	58.1	2.11E+04	6300	8.0	2.01	4.78
t-2-Butene	4	TRG	56.1	2.11E+04	3471	4.4	1.11	2.54
c-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.11E+04	5579	7.1	1.42	4.21
1-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.11E+04	2332	3.0	0.59	1.76
t-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.11E+04	1451	1.8	0.37	1.06
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	1758	2.2	0.37	1.32
3-Methylpentane	6	TRG	86.2	2.11E+04	13495	17.2	2.87	10.13
n-Hexane	6	TRG	86.2	2.11E+04	4911	6.3	1.04	3.69
Methylcyclopentane	6	TRG	84.2	2.11E+04	4778	6.1	1.02	3.50
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	942	1.2	0.17	0.70
Benzene	6	TRG	78.1	2.11E+04	12649	16.1	2.69	8.60
Cyclohexane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.11E+04	3804	4.8	0.69	2.84
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	7258	9.3	1.32	5.43
3-Methylhexane	7	TRG	100.2	2.11E+04	3267	4.2	0.59	2.44
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	2912	3.7	0.46	2.17
n-Heptane	7	TRG	100.2	2.11E+04	1473	1.9	0.27	1.10
Methylcyclohexane	7	TRG	98.2	2.11E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.11E+04	9789	12.5	1.78	6.73
2-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.11E+04	2296	2.9	0.37	1.71
n-Octane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.11E+04	10771	13.7	1.72	7.47

m,p-xylene	8	TRG	106.2	2.11E+04	19247	24.5	3.07	13.35
Styrene	8	TRG	104.2	2.11E+04	6019	7.7	0.96	4.10
o-xylene	8	TRG	106.2	2.11E+04	9219	11.8	1.47	6.39
n-Nonane	9	TRG	128.3	2.11E+04	3553	4.5	0.50	2.65
i-Propylbenzene	9	TRG	120.2	2.11E+04	1236	1.6	0.18	0.86
n-propylbenzene	9	TRG	120.2	2.11E+04	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	9	TRG	120.2	2.11E+04	11348	14.5	1.61	7.92
4-Ethyltoluene	9	TRG	120.2	2.11E+04	10237	13.0	1.45	7.14
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	5324	6.8	0.75	3.71
2-Ethyltoluene	9	TRG	120.2	2.11E+04	4183	5.3	0.59	2.92
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	7468	9.5	1.06	5.21
n-Decane	10	TRG	142.3	2.11E+04	4442	5.7	0.57	3.30
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	4115	5.2	0.52	2.89
Undecane	11	TRG	156.3	2.11E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	242128	308.7	51.44	181.74
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	242128	308.7	308.66	202.40

C:\HPCHEM\1\DATA\080076K\26144423A.D



Sample Data Packages

SDG Number 226144

Lab Id Number 24

Client ID T-210

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Canister: 679
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 08/26/2026 **Time:** 12:53
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	24.96	2.30	6.91	28.75	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	3.06	2.47	7.40	3.77	J
115-07-1	Propene	1.33	4.00	2.99	2.30	6.90	5.15	J
74-98-6	Propane	1.33	4.00	4.47	2.41	7.23	8.08	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.13	2.30	6.90	2.59	J
106-97-8	n-Butane	1.00	3.00	7.99	2.38	7.14	19.02	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	1.41	2.30	6.90	4.04	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.66	2.36	7.07	9.40	
110-54-3	n-Hexane	0.67	2.00	1.05	2.36	7.07	3.71	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	0.65	2.35	7.04	2.66	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.83	2.18	6.53	3.61	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	1.49	2.19	6.57	7.34	
620-14-4	3-Ethyltoluene	0.44	1.33	0.58	2.19	6.57	2.88	J
622-96-8	4-Ethyltoluene	0.44	1.33	1.34	2.19	6.57	6.58	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.63	2.19	6.57	8.02	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	34.88	26.50	79.49	123.22	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	209.27	29.51	88.52	137.22	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **24**
File Name: **2614424A** **B**
Sample ID: **T-210**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/26/2026**
QCBatch: **082626-GCK**
Can: **679**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:14** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **12:53** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **315469**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.08	**4.11**	39161	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.12			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.19**	4798	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**	7030	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.24**	10517	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.64**						136	351
106-98-9	1-Butene	P	7.29	7.33	**7.41**	3536	I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.43**	25060	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.84						193	410
590-18-1	c-2-Butene	P	9.63	9.72						193	431
78-78-4	i-Pentane	P	11.37	11.40						193	473
109-67-1	1-Pentene	P	12.30	12.33						193	495
109-66-0	n-Pentane	P	12.48	**12.51**	**12.51**	1370	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.82						162	510
627-20-3	c-2-Pentene	P	13.08	13.11						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.80						162	537
287-92-3	Cyclopentane	P	14.88	14.91	**14.97**	5511	I	I	H	566	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.09						162	570
107-83-5	2-Methylpentane	P	15.08	15.11	**15.12**	1578	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.58	**15.60**	12523	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.20**	**16.21**	4944	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.90						98	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.09	**17.09**		I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.91**	**17.91**	2385	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.18						98	658
591-76-4	2-Methylhexane	P	18.38	18.42	**18.43**	3558	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.49						98	671
589-34-4	3-Methylhexane	P	18.66	18.70						98	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.13	**19.13**		I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.45	**19.44**	1411	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.13						28	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.97						28	753
108-88-3	Toluene	P	21.12	**21.16**	**21.16**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.37						28	768
589-81-1	3-Methylheptane	p	21.55	21.59						28	775
111-65-9	n-Octane	P	22.27	22.31	**22.33**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.79						-79	855
108-38-3	m,p-xylene	P	23.95	23.99						-79	863
100-42-5	Styrene	P	24.40	24.44						-79	881
95-47-6	o-xylene	P	24.57	24.61	**24.61**	5201	I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.91	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.40						-141	919
103-65-1	n-propylbenzene	P	25.93	25.97	**25.98**	10517	I	I	H	946	947
620-14-4	3-Ethyltoluene	P	26.17	26.21	**26.17**	4128	I	I	H	954	957
622-96-8	4-Ethyltoluene	P	26.26	26.30	**26.37**	9435	I	O	M	963	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.49	**26.49**		I	O	M	968	964
611-14-3	2-Ethyltoluene	P	26.61	26.65						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.12	**27.07**	11498	I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.30	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.59						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.14						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.27						-48	1037
1120-21-4	Undecane	P	29.86	29.90	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.50	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**164161**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					164161		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					164161		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082626-GCK		
Hexane Std Area:	315469		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	49.92	24.96	28.75	49.92	24.96	28.75	28.75
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	6.12	3.06	3.77	6.12	3.06	3.77	3.77
Propene	42.1	3	8.96	2.99	5.15	8.96	2.99	5.15	5.15
Propane	44.1	3	13.41	4.47	8.08	13.41	4.47	8.08	8.08
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	4.51	1.13	2.59	4.51	1.13	2.59	2.59
n-Butane	58.1	4	31.95	7.99	19.02	31.95	7.99	19.02	19.02
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	1.75	0.35	1.03	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	7.03	1.41	4.04	7.03	1.41	4.04	4.04
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	2.01	0.34	1.18	ND	ND	ND	0
3-Methylpentane	86.2	6	15.96	2.66	9.40	15.96	2.66	9.40	9.40
n-Hexane	86.2	6	6.30	**1.05**	3.71	6.30	1.05	3.71	3.71
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	3.04	0.51	1.62	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	4.54	0.65	2.66	4.54	0.65	2.66	2.66
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	1.80	0.26	1.06	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	6.63	0.83	3.61	6.63	0.83	3.61	3.61
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	13.41	1.49	7.34	13.41	1.49	7.34	7.34
3-Ethyltoluene	120.2	9	5.26	0.58	2.88	5.26	0.58	2.88	2.88
4-Ethyltoluene	120.2	9	12.03	1.34	6.58	12.03	1.34	6.58	6.58
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	14.66	1.63	8.02	14.66	1.63	8.02	8.02
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	209.27	34.9	123.2	209.27	34.88	123.22	123.22
Total Non-Methane Hydrocarbons-C1	16	1.0	209.27	209.3	137.2	209.27	209.27	137.22	137.22

SDG: **226144**
Laboratory Number: **24**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
28.75	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0		=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
3.77	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	J	=		Y
5.15	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
8.08	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.59	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
19.02	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
4.04	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
9.40	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
3.71	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
2.66	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
3.61	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
7.34	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
2.88	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
6.58	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
8.02	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
123.22	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
137.22	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					49.9		49.92		
					0.0			0.00	
6.1						6.12			
					9.0		8.96		
13.4						13.41			
		0.0				0.00			
					4.5		4.51		
31.9						31.95			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
1.7						1.75			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				7.0					7.03
		0.0				0.00			
		2.0				2.01			
		16.0				15.96			
6.3						6.30			
				0.0					0.00
		0.0				0.00			
			3.0						
				0.0		0.00			
		4.5				4.54			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
1.8						1.80			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						

		0.0							
		0.0							
		6.6							
0.0						0.00			
		0.0							
		13.4							
		5.3							
		12.0							
		0.0							
		0.0							
		14.7							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
61.3	22.5	55.0	7.0	63.4	0.0	83.8	63.4	0.0	7.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

3.04

0.00

0.00

0.00
0.00
6.63

0.00
13.41
5.26
12.03
0.00
0.00
14.66

0.00
0.00
0.00

0.0	0.0	0.0	0.0	55.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		24	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdnl) / (Cstdnl) i

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

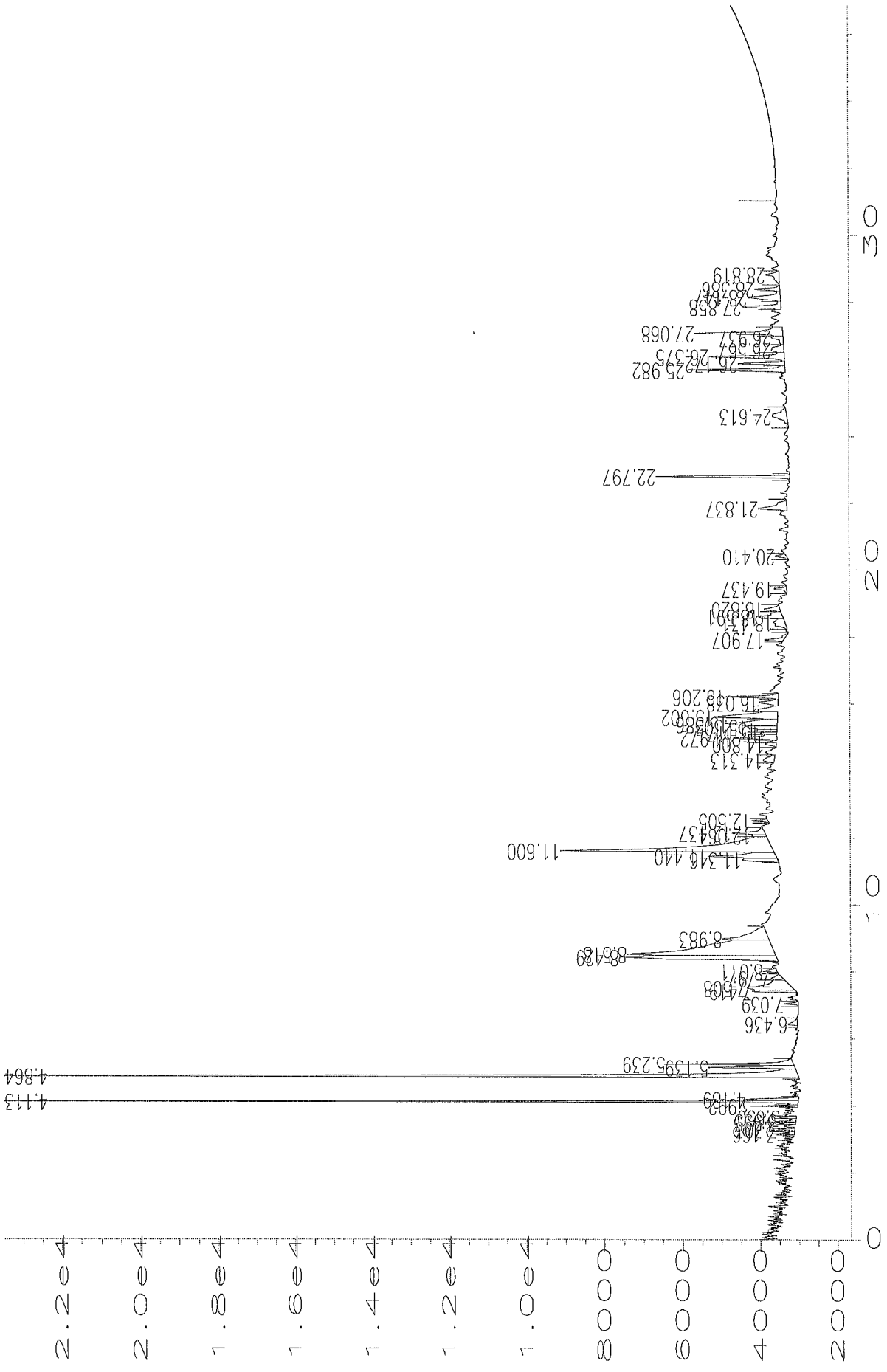
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	39161	49.9	24.96	28.75
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	4798	6.1	3.06	3.77
Propene	3	TRG	42.1	1.75E+04	7030	9.0	2.99	5.15
Propane	3	TRG	44.1	1.75E+04	10517	13.4	4.47	8.08
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	3536	4.5	1.13	2.59
n-Butane	4	TRG	58.1	1.75E+04	25060	31.9	7.99	19.02
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.75E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.75E+04	1370	1.7	0.35	1.03
t-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.75E+04	5511	7.0	1.41	4.04
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	1578	2.0	0.34	1.18
3-Methylpentane	6	TRG	86.2	1.75E+04	12523	16.0	2.66	9.40
n-Hexane	6	TRG	86.2	1.75E+04	4944	6.3	1.05	3.71
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.75E+04	2385	3.0	0.51	1.62
Cyclohexane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.75E+04	3558	4.5	0.65	2.66
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.75E+04	1411	1.8	0.26	1.06
Methylcyclohexane	7	TRG	98.2	1.75E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.75E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.75E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.75E+04	5201	6.6	0.83	3.61
n-Nonane	9	TRG	128.3	1.75E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.75E+04	10517	13.4	1.49	7.34
3-Ethyltoluene	9	TRG	120.2	1.75E+04	4128	5.3	0.58	2.88
4-Ethyltoluene	9	TRG	120.2	1.75E+04	9435	12.0	1.34	6.58
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	11498	14.7	1.63	8.02
n-Decane	10	TRG	142.3	1.75E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.75E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	164161	209.3	34.88	123.22
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	164161	209.3	209.27	137.22

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Sample Data Packages

SDG Number **226144**

Lab Id Number **25**

Client ID T-211

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Canister: 762
QC_Batch: 081026-GCK

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 08/10/2026 **Time:** 12:30
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	28.66	2.47	7.40	35.35	
115-07-1	Propene	1.33	4.00	1.72	2.30	6.90	2.97	J
74-98-6	Propane	1.33	4.00	6.71	2.41	7.23	12.13	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.70	2.19	6.57	3.46	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.81	2.20	6.60	4.43	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	18.55	26.50	79.49	65.52	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	111.27	29.51	88.52	72.96	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **25**
File Name: **2614425A** **B**
Sample ID: **T-211**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/10/2026**
QCBatch: **081026-GCK**
Can: **762**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:10** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **12:30** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **364783**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.04			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.08			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.15**	44961	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.11**	4056	I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**	15795	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						135	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77	**13.74**	2074	I	I	H	534	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05	**17.10**	1284	I	I	H	629	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55	**21.49**	2206	I	I	H	773	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95	**23.93**	2034	I	I	H	864	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-124	919
103-65-1	n-propylbenzene	P	25.93	25.93	**25.97**	4952	I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.17	**26.13**	809	I	O	M	952	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-124	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-124	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-124	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08	**27.01**	1660	I	I	H	988	991
124-18-5	n-Decane	P	27.26	27.26	**27.30**	1132	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-66	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10	**28.05**	6324	I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-66	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**87287**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					87287		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					87287		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081026-GCK		
Hexane Std Area:	364783		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	57.31	28.66	35.35	57.31	28.66	35.35	35.35
Propene	42.1	3	5.17	1.72	2.97	5.17	1.72	2.97	2.97
Propane	44.1	3	20.13	6.71	12.13	20.13	6.71	12.13	12.13
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	2.64	0.44	1.56	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.64	0.23	0.96	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	2.81	0.35	1.65	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	2.59	0.32	1.41	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	6.31	0.70	3.46	6.31	0.70	3.46	3.46
3-Ethyltoluene	120.2	9	1.03	0.11	0.56	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	2.12	0.24	1.16	ND	ND	ND	0
n-Decane	142.3	10	1.44	0.14	0.84	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	8.06	0.81	4.43	8.06	0.81	4.43	4.43
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	111.27	18.5	65.5	111.27	18.55	65.52	65.52
Total Non-Methane Hydrocarbons-C1	16	1.0	111.27	111.3	73.0	111.27	111.27	72.96	72.96

SDG: **226144**
Laboratory Number: **25**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
35.35	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
2.97	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
12.13	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.46	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.43	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
65.52	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
72.96	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
57.3						57.31			
					5.2		5.17		
20.1						20.13			
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		2.6				2.64			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		1.6				1.64			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		2.8				2.81			
0.0						0.00			
			0.0						

		2.6							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		6.3							
		1.0							
		0.0							
		0.0							
		0.0							
		2.1							
1.4						1.44			
		0.0							
		8.1							
		0.0							
0.0						0.00			
0.0						0.00			
78.9	7.1	20.1	0.0	5.2	0.0	86.0	5.2	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

2.59
0.00
0.00

0.00
6.31
1.03
0.00
0.00
0.00
2.12

0.00
8.06
0.00

0.0	0.0	0.0	0.0	20.1	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		25	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{\text{(Astdnl)}}{\text{(Cstdnl)}}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

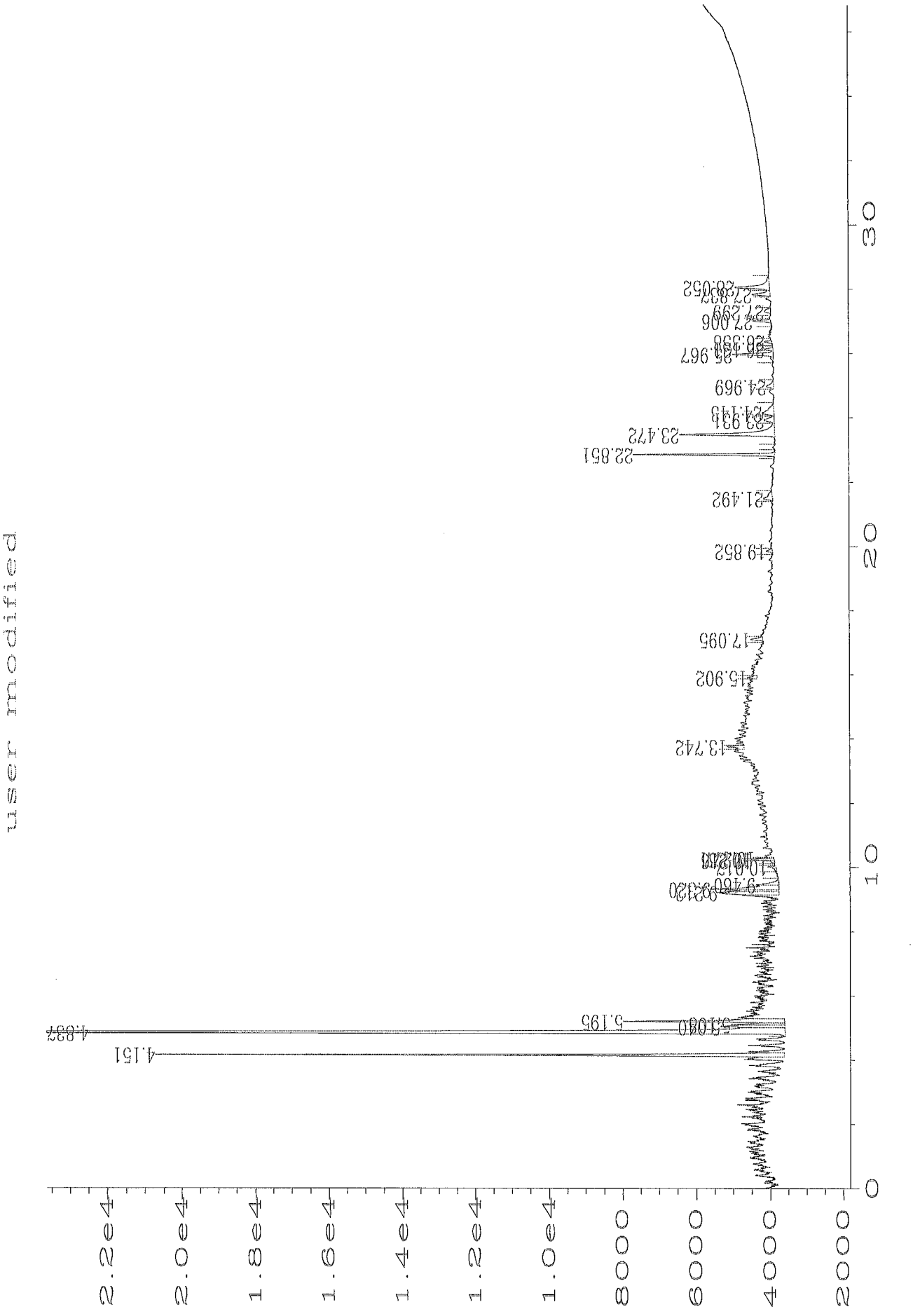
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.02E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.02E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.02E+04	44961	57.3	28.66	35.35
Propene	3	TRG	42.1	2.02E+04	4056	5.2	1.72	2.97
Propane	3	TRG	44.1	2.02E+04	15795	20.1	6.71	12.13
i-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.02E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.02E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.02E+04	2074	2.6	0.44	1.56
Cyclopentane	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.02E+04	1284	1.6	0.23	0.96
Benzene	6	TRG	78.1	2.02E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.02E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.02E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.02E+04	2206	2.8	0.35	1.65
n-Octane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.02E+04	2034	2.6	0.32	1.41
Styrene	8	TRG	104.2	2.02E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.02E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.02E+04	4952	6.3	0.70	3.46
3-Ethyltoluene	9	TRG	120.2	2.02E+04	809	1.0	0.11	0.56
4-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.02E+04	1660	2.1	0.24	1.16
n-Decane	10	TRG	142.3	2.02E+04	1132	1.4	0.14	0.84
1,2,3-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.02E+04	6324	8.1	0.81	4.43
1,4-Diethylbenzene	10	TRG	134.2	2.02E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.02E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.02E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.02E+04	87287	111.3	18.55	65.52
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.02E+04	87287	111.3	111.27	72.96

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Sample Data Packages

SDG Number **226144**

Lab Id Number **26**

Client ID T-212

Analytical Method TO-12

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Analytical Report
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Canister: 710
QC_Batch: 081026-GCK

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 08/10/2026 **Time:** 13:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	6.24	2.30	6.91	7.19	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.91	2.47	7.40	34.43	
115-07-1	Propene	1.33	4.00	21.67	2.30	6.90	37.39	
74-98-6	Propane	1.33	4.00	83.03	2.41	7.23	150.06	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	11.93	2.30	6.90	27.43	
106-97-8	n-Butane	1.00	3.00	21.47	2.38	7.14	51.13	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.65	2.37	7.10	7.83	
109-67-1	1-Pentene	0.80	2.40	4.19	2.30	6.90	12.05	
109-66-0	n-Pentane	0.80	2.40	4.26	2.36	7.09	12.60	
646-04-8	t-2-Pentene	0.80	2.40	1.89	2.30	6.90	5.44	J
627-20-3	c-2-Pentene	0.80	2.40	1.06	2.30	6.90	3.04	J
75-83-2	2,2-Dimethylbutane	0.67	2.00	1.54	2.36	7.07	5.43	J
287-92-3	Cyclopentane	0.80	2.40	1.73	2.30	6.90	4.96	J
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.57	2.36	7.07	9.07	
96-14-0	3-Methylpentane	0.67	2.00	3.69	2.36	7.07	13.05	
110-54-3	n-Hexane	0.67	2.00	4.67	2.36	7.07	16.49	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	1.17	2.35	7.04	4.79	J
71-43-2	Benzene	0.67	2.00	4.22	2.13	6.40	13.49	
110-82-7	Cyclohexane	0.67	2.00	2.84	2.30	6.90	9.78	
591-76-4	2-Methylhexane	0.57	1.71	1.06	2.35	7.04	4.37	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.96	2.35	7.04	3.96	J
589-34-4	3-Methylhexane	0.57	1.71	1.95	2.35	7.04	8.00	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	12.70	2.34	7.02	59.45	
142-82-5	n-Heptane	0.57	1.71	6.40	2.35	7.04	26.29	
108-87-2	Methylcyclohexane	0.57	1.71	11.47	2.30	6.90	46.17	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	2.51	2.34	7.02	11.76	
108-88-3	Toluene	0.57	1.71	89.18	2.16	6.47	336.61	
592-27-8	2-Methylheptane	0.50	1.50	5.94	2.34	7.02	27.82	
589-81-1	3-Methylheptane	0.50	1.50	5.50	2.34	7.02	25.75	
111-65-9	n-Octane	0.50	1.50	4.49	2.34	7.02	21.00	
100-41-4	Ethylbenzene	0.50	1.50	100.23	2.18	6.53	436.24	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	140.42	2.18	6.53	611.16	
100-42-5	Styrene	0.50	1.50	7.65	2.14	6.41	32.69	
95-47-6	o-xylene	0.50	1.50	95.35	2.18	6.53	415.02	
111-84-2	n-Nonane	0.44	1.33	12.74	2.34	7.01	66.98	
98-82-8	i-Propylbenzene	0.44	1.33	28.86	2.19	6.57	142.16	
103-65-1	n-propylbenzene	0.44	1.33	19.48	2.19	6.57	95.98	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	26.95	2.19	6.57	132.74	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	20.21	2.19	6.57	99.58	
611-14-3	2-Ethyltoluene	0.44	1.33	56.71	2.19	6.57	279.34	
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	60.06	2.19	6.57	295.86	
124-18-5	n-Decane	0.40	1.20	39.45	2.33	7.00	230.07	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	17.25	2.20	6.60	94.90	
105-05-5	1,4-Diethylbenzene	0.40	1.20	20.84	2.20	6.60	114.65	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	1,217.14	26.50	79.49	4,299.90	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	7,302.84	29.51	88.52	4,788.75	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **26**
File Name: **2614426A** **B**
Sample ID: **T-212**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/10/2026**
QCBatch: **081026-GCK**
Can: **710**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:15** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **13:20** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **364783**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.10	**4.02**	9797	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.14			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.21**	43789	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.15**	50999	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.25**	195398	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.65**						130	351
106-98-9	1-Butene	P	7.29	7.34	**7.27**	37440	I	I	H	366	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**	67372	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74						198	410
590-18-1	c-2-Butene	P	9.63	9.62	**9.71**	2267	I	I	H	434	431
78-78-4	i-Pentane	P	11.37	11.33	**11.39**	10383	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.26	**12.29**	16446	I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**	16720	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75	**12.80**	7423	I	I	H	510	510
627-20-3	c-2-Pentene	P	13.08	13.04	**13.09**	4148	I	I	H	517	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73	**13.76**	7237	I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.87**	6773	I	I	H	566	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						163	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.04**	12087	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.53**	17390	I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.14**	21965	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83	**16.84**	1227	I	I	H	622	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02	**17.02**	6403	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.84**	**17.83**	19840	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.10	**18.11**	13345	I	O	M	661	658
591-76-4	2-Methylhexane	P	18.38	18.34	**18.36**	5841	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.41	**18.43**	5293	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.62	**18.64**	10700	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.05	**19.00**	79712	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.37	**19.37**	35152	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.05	**20.07**	62992	I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.89	**20.85**	15774	I	I	H	751	753
108-88-3	Toluene	P	21.12	**21.08**	**21.08**	489697	I	I	H	759	758
592-27-8	2-Methylheptane	P	21.33	21.29	**21.32**	37298	I	I	H	768	768
589-81-1	3-Methylheptane	p	21.55	21.51	**21.54**	34522	I	I	H	775	775
111-65-9	n-Octane	P	22.27	22.23	**22.25**	28164	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.71	**23.73**	629008	I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.91	**23.96**	881215	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.36	**24.31**	48034	I	I	H	879	881
95-47-6	o-xylene	P	24.57	24.53	**24.57**	598405	I	I	H	889	886
111-84-2	n-Nonane	P	24.87	24.83	**24.86**	89927	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.32	**25.37**	203744	I	I	H	921	919
103-65-1	n-propylbenzene	P	25.93	25.89	**25.96**	137563	I	I	H	946	947
620-14-4	3-Ethyltoluene	P	26.17	26.13	**26.14**		I	O	M	954	957
622-96-8	4-Ethyltoluene	P	26.26	26.22		190237				-140	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.41	**26.44**	142715	I	I	H	966	964
611-14-3	2-Ethyltoluene	P	26.61	26.57	**26.52**	400348	I	O	M	969	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.04	**27.08**	424024	I	I	H	993	991
124-18-5	n-Decane	P	27.26	27.22	**27.25**	309468	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.51						-13	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.06	**28.01**	135354	I	O	M	1028	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.19	**28.12**	163520	I	O	M	1032	1037
1120-21-4	Undecane	P	29.86	29.85	**29.94**	1635	I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.45	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**5728791**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					5728791		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					5728791		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081026-GCK		
Hexane Std Area:	364783		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	12.49	6.24	7.19	12.49	6.24	7.19	7.19
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	55.82	27.91	34.43	55.82	27.91	34.43	34.43
Propene	42.1	3	65.01	21.67	37.39	65.01	21.67	37.39	37.39
Propane	44.1	3	249.09	83.03	150.06	249.09	83.03	150.06	150.06
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	47.73	11.93	27.43	47.73	11.93	27.43	27.43
n-Butane	58.1	4	85.88	21.47	51.13	85.88	21.47	51.13	51.13
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	2.89	0.72	1.66	ND	ND	ND	0
i-Pentane	72.2	5	13.24	2.65	7.83	13.24	2.65	7.83	7.83
1-Pentene	70.1	5	20.96	4.19	12.05	20.96	4.19	12.05	12.05
n-Pentane	72.1	5	21.31	4.26	12.60	21.31	4.26	12.60	12.60
t-2-Pentene	70.1	5	9.46	1.89	5.44	9.46	1.89	5.44	5.44
c-2-Pentene	70.1	5	5.29	1.06	3.04	5.29	1.06	3.04	3.04
2,2-Dimethylbutane	86.2	6	9.23	1.54	5.43	9.23	1.54	5.43	5.43
Cyclopentane	70.1	5	8.63	1.73	4.96	8.63	1.73	4.96	4.96
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	15.41	2.57	9.07	15.41	2.57	9.07	9.07
3-Methylpentane	86.2	6	22.17	3.69	13.05	22.17	3.69	13.05	13.05
n-Hexane	86.2	6	28.00	**4.67**	16.49	28.00	4.67	16.49	16.49
Methylcyclopentane	84.2	6	1.56	0.26	0.90	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	8.16	1.17	4.79	8.16	1.17	4.79	4.79
Benzene	78.1	6	25.29	4.22	13.49	25.29	4.22	13.49	13.49
Cyclohexane	84.2	6	17.01	2.84	9.78	17.01	2.84	9.78	9.78
2-Methylhexane	100.2	7	7.45	1.06	4.37	7.45	1.06	4.37	4.37
2,3-Dimethylpentane	100.2	7	6.75	0.96	3.96	6.75	0.96	3.96	3.96
3-Methylhexane	100.2	7	13.64	1.95	8.00	13.64	1.95	8.00	8.00
2,2,4-Trimethylpentane	114.2	8	101.61	12.70	59.45	101.61	12.70	59.45	59.45
n-Heptane	100.2	7	44.81	6.40	26.29	44.81	6.40	26.29	26.29
Methylcyclohexane	98.2	7	80.30	11.47	46.17	80.30	11.47	46.17	46.17
2,3,4-Trimethylpentane	114.2	8	20.11	2.51	11.76	20.11	2.51	11.76	11.76
Toluene	92.1	7	624.25	89.18	336.61	624.25	89.18	336.61	336.61
2-Methylheptane	114.2	8	47.55	5.94	27.82	47.55	5.94	27.82	27.82
3-Methylheptane	114.2	8	44.01	5.50	25.75	44.01	5.50	25.75	25.75
n-Octane	114.2	8	35.90	4.49	21.00	35.90	4.49	21.00	21.00
Ethylbenzene	106.2	8	801.84	100.23	436.24	801.84	100.23	436.24	436.24

m,p-xylene	106.2	8	1123.34	140.42	611.16	1,123.34	140.42	611.16	611.16
Styrene	104.2	8	61.23	7.65	32.69	61.23	7.65	32.69	32.69
o-xylene	106.2	8	762.82	95.35	415.02	762.82	95.35	415.02	415.02
n-Nonane	128.3	9	114.64	12.74	66.98	114.64	12.74	66.98	66.98
i-Propylbenzene	120.2	9	259.73	28.86	142.16	259.73	28.86	142.16	142.16
n-propylbenzene	120.2	9	175.36	19.48	95.98	175.36	19.48	95.98	95.98
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	242.51	26.95	132.74	242.51	26.95	132.74	132.74
1,3,5-Trimethylbenzene	120.2	9	181.93	20.21	99.58	181.93	20.21	99.58	99.58
2-Ethyltoluene	120.2	9	510.35	56.71	279.34	510.35	56.71	279.34	279.34
1,2,4-Trimethylbenzene	120.2	9	540.53	60.06	295.86	540.53	60.06	295.86	295.86
n-Decane	142.3	10	394.50	39.45	230.07	394.50	39.45	230.07	230.07
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	172.54	17.25	94.90	172.54	17.25	94.90	94.90
1,4-Diethylbenzene	134.2	10	208.45	20.84	114.65	208.45	20.84	114.65	114.65
Undecane	156.3	11	2.08	0.19	1.21	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	7302.84	1217.1	4299.9	7,302.84	1,217.14	4,299.90	4,299.90
Total Non-Methane Hydrocarbons-C1	16	1.0	7302.84	7302.8	4788.8	7,302.84	7,302.84	4,788.75	4,788.75

SDG: **226144**
Laboratory Number: **26**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
7.19	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0		=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
34.43	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
37.39	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
150.06	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
27.43	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
51.13	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
7.83	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
12.05	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
12.60	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0		=		Y
5.44	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
3.04	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
5.43	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
4.96	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
9.07	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
13.05	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
16.49	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
4.79	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
13.49	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0		=		Y
9.78	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
4.37	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
3.96	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
8.00	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
59.45	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
26.29	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
46.17	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0		=		Y
11.76	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
336.61	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
27.82	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
25.75	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
21.00	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
436.24	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=		Y

611.16	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
32.69	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0		=	Y
415.02	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
66.98	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0		=	Y
142.16	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
95.98	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
132.74	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
99.58	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
279.34	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
295.86	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
230.07	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
94.90	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0		=	Y
114.65	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0		=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
4,299.90	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
4,788.75	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					12.5		12.49		
					0.0			0.00	
55.8						55.82			
					65.0		65.01		
249.1						249.09			
	0.0					0.00			
					47.7		47.73		
85.9						85.88			
					0.0		0.00		
					2.9		2.89		
	13.2					13.24			
					21.0		20.96		
21.3						21.31			
					9.5		9.46		
					5.3		5.29		
	9.2					9.23			
				8.6					8.63
	0.0					0.00			
	15.4					15.41			
	22.2					22.17			
28.0						28.00			
				1.6					1.56
	8.2					8.16			
		25.3							
				17.0		17.01			
	7.4					7.45			
	6.7					6.75			
	13.6					13.64			
	101.6					101.61			
44.8						44.81			
				80.3					80.30
	20.1					20.11			
		624.2							
	47.5					47.55			
	44.0					44.01			
35.9						35.90			
		801.8							

		1123.3							
		61.2							
		762.8							
114.6						114.64			
		259.7							
		175.4							
		0.0							
		242.5							
		181.9							
		510.3							
		540.5							
394.5						394.50			
		0.0							
		172.5							
		208.4							
2.1						2.08			
0.0						0.00			
1032.0	309.3	5690.2	107.5	163.8	0.0	1358.4	163.8	0.0	90.5

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

25.29

624.25

801.84

				1123.34	
				61.23	
				762.82	
				259.73	
				175.36	
				0.00	
				242.51	
				181.93	
				510.35	
				540.53	
				0.00	
				172.54	
				208.45	
0.0	0.0	0.0	0.0	5690.2	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		26	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni)

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = Cn

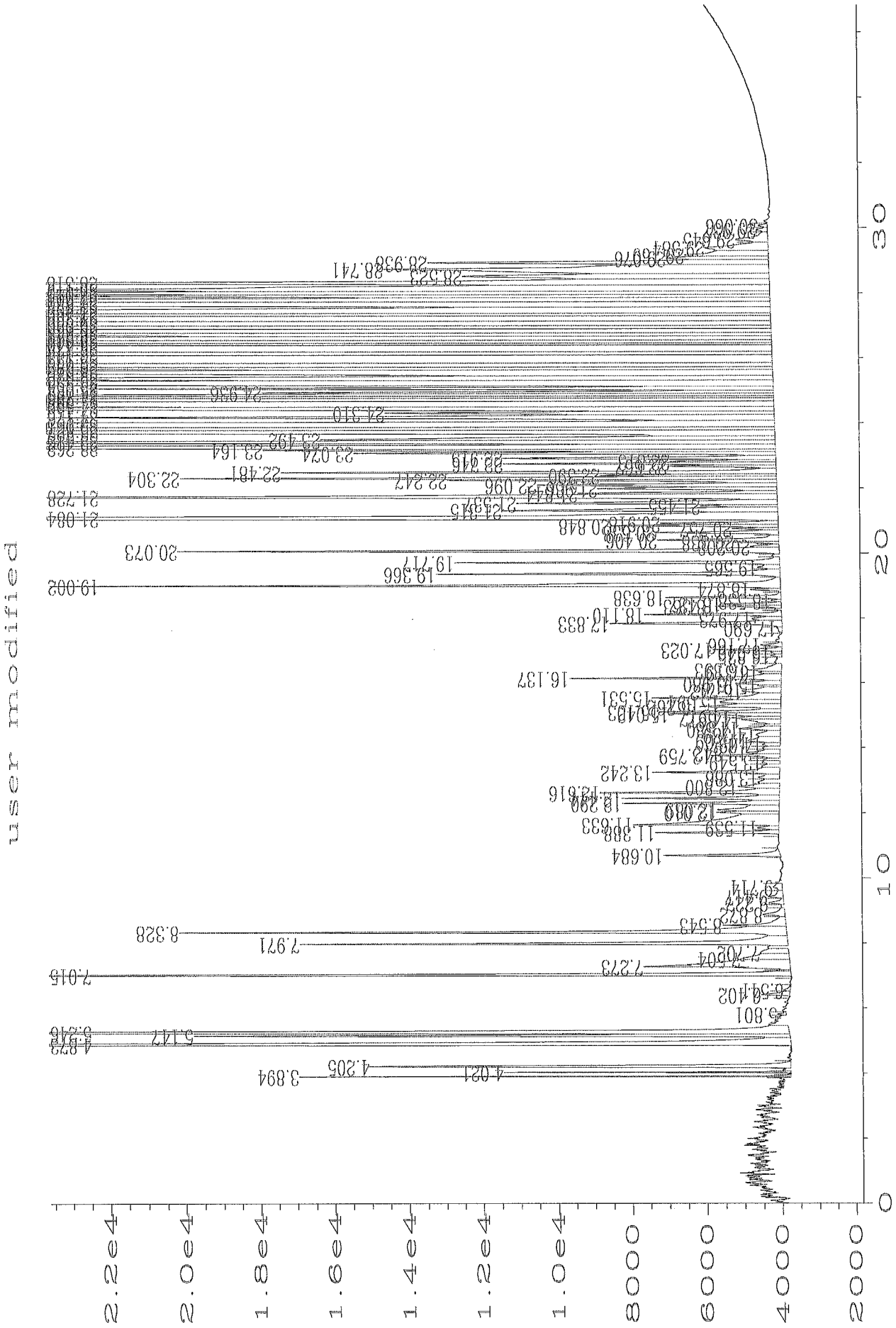
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.02E+04	9797	12.5	6.24	7.19
Acetylene	2	TRG	26.0	2.02E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.02E+04	43789	55.8	27.91	34.43
Propene	3	TRG	42.1	2.02E+04	50999	65.0	21.67	37.39
Propane	3	TRG	44.1	2.02E+04	195398	249.1	83.03	150.06
i-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.02E+04	37440	47.7	11.93	27.43
n-Butane	4	TRG	58.1	2.02E+04	67372	85.9	21.47	51.13
t-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.02E+04	2267	2.9	0.72	1.66
i-Pentane	5	TRG	72.2	2.02E+04	10383	13.2	2.65	7.83
1-Pentene	5	TRG	70.1	2.02E+04	16446	21.0	4.19	12.05
n-Pentane	5	TRG	72.1	2.02E+04	16720	21.3	4.26	12.60
t-2-Pentene	5	TRG	70.1	2.02E+04	7423	9.5	1.89	5.44
c-2-Pentene	5	TRG	70.1	2.02E+04	4148	5.3	1.06	3.04
2,2-Dimethylbutane	6	TRG	86.2	2.02E+04	7237	9.2	1.54	5.43
Cyclopentane	5	TRG	70.1	2.02E+04	6773	8.6	1.73	4.96
2,3-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.02E+04	12087	15.4	2.57	9.07
3-Methylpentane	6	TRG	86.2	2.02E+04	17390	22.2	3.69	13.05
n-Hexane	6	TRG	86.2	2.02E+04	21965	28.0	4.67	16.49
Methylcyclopentane	6	TRG	84.2	2.02E+04	1227	1.6	0.26	0.90
2,4-Dimethylpentane	7	TRG	100.2	2.02E+04	6403	8.2	1.17	4.79
Benzene	6	TRG	78.1	2.02E+04	19840	25.3	4.22	13.49
Cyclohexane	6	TRG	84.2	2.02E+04	13345	17.0	2.84	9.78
2-Methylhexane	7	TRG	100.2	2.02E+04	5841	7.4	1.06	4.37
2,3-Dimethylpentane	7	TRG	100.2	2.02E+04	5293	6.7	0.96	3.96
3-Methylhexane	7	TRG	100.2	2.02E+04	10700	13.6	1.95	8.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.02E+04	79712	101.6	12.70	59.45
n-Heptane	7	TRG	100.2	2.02E+04	35152	44.8	6.40	26.29
Methylcyclohexane	7	TRG	98.2	2.02E+04	62992	80.3	11.47	46.17
2,3,4-Trimethylpentane	8	TRG	114.2	2.02E+04	15774	20.1	2.51	11.76
Toluene	7	TRG	92.1	2.02E+04	489697	624.2	89.18	336.61
2-Methylheptane	8	TRG	114.2	2.02E+04	37298	47.5	5.94	27.82
3-Methylheptane	8	TRG	114.2	2.02E+04	34522	44.0	5.50	25.75
n-Octane	8	TRG	114.2	2.02E+04	28164	35.9	4.49	21.00
Ethylbenzene	8	TRG	106.2	2.02E+04	629008	801.8	100.23	436.24

m,p-xylene	8	TRG	106.2	2.02E+04	881215	1123.3	140.42	611.16
Styrene	8	TRG	104.2	2.02E+04	48034	61.2	7.65	32.69
o-xylene	8	TRG	106.2	2.02E+04	598405	762.8	95.35	415.02
n-Nonane	9	TRG	128.3	2.02E+04	89927	114.6	12.74	66.98
i-Propylbenzene	9	TRG	120.2	2.02E+04	203744	259.7	28.86	142.16
n-propylbenzene	9	TRG	120.2	2.02E+04	137563	175.4	19.48	95.98
3-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.02E+04	190237	242.5	26.95	132.74
1,3,5-Trimethylbenzene	9	TRG	120.2	2.02E+04	142715	181.9	20.21	99.58
2-Ethyltoluene	9	TRG	120.2	2.02E+04	400348	510.3	56.71	279.34
1,2,4-Trimethylbenzene	9	TRG	120.2	2.02E+04	424024	540.5	60.06	295.86
n-Decane	10	TRG	142.3	2.02E+04	309468	394.5	39.45	230.07
1,2,3-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.02E+04	135354	172.5	17.25	94.90
1,4-Diethylbenzene	10	TRG	134.2	2.02E+04	163520	208.4	20.84	114.65
Undecane	11	TRG	156.3	2.02E+04	1635	2.1	0.19	1.21
Dodecane	12	TRG	170.3	2.02E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.02E+04	5728791	7302.8	1217.14	4299.90
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.02E+04	5728791	7302.8	7302.84	4788.75

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Sample Data Packages

SDG Number 226144

Lab Id Number 27

Client ID T-213

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 27

File Name: 2614427B
Description: T-213
Canister: 655
QC_Batch: 083126-GCK

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 08/31/2026 **Time:** 12:51
Can Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	4.00	12.00	ND	4.61	13.82	ND	ND
74-86-2	Acetylene	4.00	12.00	ND	4.26	12.79	ND	ND
74-84-0	Ethane	4.00	12.00	77.48	4.93	14.80	95.58	
115-07-1	Propene	2.67	8.00	16.78	4.60	13.80	28.94	
74-98-6	Propane	2.67	8.00	54.58	4.82	14.46	98.65	
75-28-5	i-Butane	2.00	6.00	ND	4.76	14.29	ND	ND
106-98-9	1-Butene	2.00	6.00	5.19	4.60	13.80	11.94	J
106-97-8	n-Butane	2.00	6.00	15.86	4.76	14.29	37.77	
624-64-6	t-2-Butene	2.00	6.00	ND	4.60	13.80	ND	ND
590-18-1	c-2-Butene	2.00	6.00	2.55	4.60	13.80	5.87	J
78-78-4	i-Pentane	1.60	4.80	3.45	4.73	14.20	10.20	J
109-67-1	1-Pentene	1.60	4.80	6.13	4.60	13.79	17.61	
109-66-0	n-Pentane	1.60	4.80	4.87	4.73	14.18	14.40	
646-04-8	t-2-Pentene	1.60	4.80	ND	4.60	13.79	ND	ND
627-20-3	c-2-Pentene	1.60	4.80	3.02	4.60	13.79	8.68	J
75-83-2	2,2-Dimethylbutane	1.33	4.00	2.75	4.71	14.13	9.73	J
287-92-3	Cyclopentane	1.60	4.80	5.73	4.60	13.79	16.46	
79-29-8	2,3-Dimethylbutane	1.33	4.00	ND	4.71	14.13	ND	ND
107-83-5	2-Methylpentane	1.33	4.00	2.41	4.71	14.13	8.53	J
96-14-0	3-Methylpentane	1.33	4.00	2.59	4.71	14.13	9.14	J
110-54-3	n-Hexane	1.33	4.00	4.92	4.71	14.13	17.37	
96-37-7	Methylcyclopentane	1.33	4.00	ND	4.60	13.80	ND	ND
108-08-7	2,4-Dimethylpentane	1.14	3.43	1.41	4.69	14.08	5.79	J
71-43-2	Benzene	1.33	4.00	7.09	4.27	12.80	22.70	
110-82-7	Cyclohexane	1.33	4.00	2.30	4.60	13.80	7.93	J
591-76-4	2-Methylhexane	1.14	3.43	ND	4.69	14.08	ND	ND
565-59-3	2,3-Dimethylpentane	1.14	3.43	ND	4.69	14.08	ND	ND
589-34-4	3-Methylhexane	1.14	3.43	2.92	4.69	14.08	11.99	J
540-84-1	2,2,4-Trimethylpentane	1.00	3.00	9.19	4.68	14.04	43.02	
142-82-5	n-Heptane	1.14	3.43	4.91	4.69	14.08	20.18	
108-87-2	Methylcyclohexane	1.14	3.43	8.45	4.60	13.80	34.00	
565-75-3	2,3,4-Trimethylpentane	1.00	3.00	1.49	4.68	14.04	6.97	J
108-88-3	Toluene	1.14	3.43	55.13	4.31	12.94	208.10	
592-27-8	2-Methylheptane	1.00	3.00	4.58	4.68	14.04	21.44	
589-81-1	3-Methylheptane	1.00	3.00	4.94	4.68	14.04	23.14	
111-65-9	n-Octane	1.00	3.00	3.30	4.68	14.04	15.46	
100-41-4	Ethylbenzene	1.00	3.00	63.94	4.35	13.06	278.32	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	1.00	3.00	94.06	4.35	13.06	409.41	
100-42-5	Styrene	1.00	3.00	6.55	4.27	12.81	27.96	
95-47-6	o-xylene	1.00	3.00	59.63	4.35	13.06	259.55	
111-84-2	n-Nonane	0.89	2.67	7.06	4.67	14.02	37.14	
98-82-8	i-Propylbenzene	0.89	2.67	22.01	4.38	13.14	108.43	
103-65-1	n-propylbenzene	0.89	2.67	22.76	4.38	13.14	112.15	
620-14-4	3-Ethyltoluene	0.89	2.67	ND	4.38	13.14	ND	ND
622-96-8	4-Ethyltoluene	0.89	2.67	18.62	4.38	13.14	91.73	
108-67-8	1,3,5-Trimethylbenzene	0.89	2.67	18.62	4.38	13.14	91.73	
611-14-3	2-Ethyltoluene	0.89	2.67	39.24	4.38	13.14	193.31	
95-63-6	1,2,4-Trimethylbenzene	0.89	2.67	64.21	4.38	13.14	316.31	
124-18-5	n-Decane	0.80	2.40	41.66	4.67	14.00	242.98	
526-73-8	1,2,3-Trimethylbenzene	0.89	2.67	ND	4.38	13.14	ND	ND
141-93-5	1,3-Diethylbenzene	0.80	2.40	34.37	4.40	13.20	189.04	
105-05-5	1,4-Diethylbenzene	0.80	2.40	39.28	4.40	13.20	216.03	
1120-21-4	Undecane	0.73	2.18	1.39	4.66	13.98	8.90	J
112-40-3	Dodecane	0.67	2.00	ND	4.65	13.96	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	15.00	45.00	1,020.87	52.99	158.98	3,606.51	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	90.00	270.00	6,125.21	59.02	177.05	4,016.53	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **27**
File Name: **2614427B** **B**
Sample ID: **T-213**
Sampled: **7/21/2026** Time: **12:19** Matrix **AA**
Received: **07/24/26** Time: **16:10** Chem **TRG**
Analyzed: **08/31/2026** Time: **12:51** MDL Fac: **1.0**
QCBatch: **083126-GCK** Unit Factor **1000** 1000 for ppb 1 for ppm
Can: **655** Hexane Area: **316715**
Can Factor: **1.00** Hexane Concentration: **18.05**
Volume: **100.0** Standard Volume: **1.00**
Type: **SA** Standard ID: **ST62344**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.16	**4.11**	3059	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.20			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.27**	60783	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.22**	19739	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.32**	64226	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.72**						128	351
106-98-9	1-Butene	P	7.29	7.41	**7.47**	8146	I	I	H	370	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.41**	24884	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.82						195	410
590-18-1	c-2-Butene	P	9.63	9.70	**9.67**	4005	I	I	H	431	431
78-78-4	i-Pentane	P	11.37	11.41	**11.41**	6760	I	I	H	473	473
109-67-1	1-Pentene	P	12.30	12.34	**12.37**	12019	I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.52**	**12.52**	9556	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.83	**12.86**		I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	13.12	**13.16**	5923	I	I	H	517	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.81	**13.84**	6481	I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.92	**14.98**	11236	I	I	H	566	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.10		0				162	570
107-83-5	2-Methylpentane	P	15.08	15.12	**15.13**	5682	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.59	**15.63**	6089	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.21**	**16.22**	11571	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.91	**16.97**		I	I	H	623	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.10	**17.10**	3873	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.92**	**17.92**	16691	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.19	**18.19**	5408	I	O	M	661	658
591-76-4	2-Methylhexane	P	18.38	18.43	**18.44**	3022	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.50	**18.50**	2087	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.71	**18.71**	8016	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.14	**19.07**	28843	I	I	H	688	690
142-82-5	n-Heptane	P	19.41	19.46	**19.45**	13492	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.14	**20.15**	23193	I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.98	**20.99**	4671	I	I	H	753	753
108-88-3	Toluene	P	21.12	**21.17**	**21.15**	151367	I	I	H	759	758
592-27-8	2-Methylheptane	P	21.33	21.36	**21.39**	14376	I	I	H	767	768
589-81-1	3-Methylheptane	p	21.55	21.58	**21.61**	15511	I	I	H	775	775
111-65-9	n-Octane	P	22.27	22.30	**22.34**	10367	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.78	**23.79**	200648	I	I	H	856	855
108-38-3	m,p-xylene	P	23.95	23.98	**24.01**	295160	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.43	**24.38**	20546	I	I	H	879	881
95-47-6	o-xylene	P	24.57	24.60	**24.63**	187122	I	I	H	889	886
111-84-2	n-Nonane	P	24.87	24.90	**24.92**	24937	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.39	**25.44**	77701	I	I	H	921	919
103-65-1	n-propylbenzene	P	25.93	25.96	**26.00**	80362	I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.20	**26.20**		I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.29	**26.39**	65732	I	I	H	961	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.48	**26.51**	65732	I	I	H	966	964
611-14-3	2-Ethyltoluene	P	26.61	26.64	**26.66**	138524	I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.11	**27.15**	226664	I	I	H	993	991
124-18-5	n-Decane	P	27.26	27.29	**27.32**	163416	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.58	**27.51**		I	O	M	1007	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.13	**28.16**	134812	I	I	H	1033	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.26		154062				-58	1037
1120-21-4	Undecane	P	29.86	29.92	**29.90**	5997	I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.52	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**2402491**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					2402491		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					2402491		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	083126-GCK		
Hexane Std Area:	316715		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	100.00		
Combined Factor:	2.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	7.80	3.90	4.49	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	154.97	77.48	95.58	154.97	77.48	95.58	95.58
Propene	42.1	3	50.33	16.78	28.94	50.33	16.78	28.94	28.94
Propane	44.1	3	163.75	54.58	98.65	163.75	54.58	98.65	98.65
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	20.77	5.19	11.94	20.77	5.19	11.94	11.94
n-Butane	58.1	4	63.44	15.86	37.77	63.44	15.86	37.77	37.77
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	10.21	2.55	5.87	10.21	2.55	5.87	5.87
i-Pentane	72.2	5	17.23	3.45	10.20	17.23	3.45	10.20	10.20
1-Pentene	70.1	5	30.64	6.13	17.61	30.64	6.13	17.61	17.61
n-Pentane	72.1	5	24.36	4.87	14.40	24.36	4.87	14.40	14.40
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	15.10	3.02	8.68	15.10	3.02	8.68	8.68
2,2-Dimethylbutane	86.2	6	16.52	2.75	9.73	16.52	2.75	9.73	9.73
Cyclopentane	70.1	5	28.65	5.73	16.46	28.65	5.73	16.46	16.46
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	14.49	2.41	8.53	14.49	2.41	8.53	8.53
3-Methylpentane	86.2	6	15.52	2.59	9.14	15.52	2.59	9.14	9.14
n-Hexane	86.2	6	29.50	**4.92**	17.37	29.50	4.92	17.37	17.37
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	9.87	1.41	5.79	9.87	1.41	5.79	5.79
Benzene	78.1	6	42.55	7.09	22.70	42.55	7.09	22.70	22.70
Cyclohexane	84.2	6	13.79	2.30	7.93	13.79	2.30	7.93	7.93
2-Methylhexane	100.2	7	7.70	1.10	4.52	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	5.32	0.76	3.12	ND	ND	ND	0
3-Methylhexane	100.2	7	20.44	2.92	11.99	20.44	2.92	11.99	11.99
2,2,4-Trimethylpentane	114.2	8	73.54	9.19	43.02	73.54	9.19	43.02	43.02
n-Heptane	100.2	7	34.40	4.91	20.18	34.40	4.91	20.18	20.18
Methylcyclohexane	98.2	7	59.13	8.45	34.00	59.13	8.45	34.00	34.00
2,3,4-Trimethylpentane	114.2	8	11.91	1.49	6.97	11.91	1.49	6.97	6.97
Toluene	92.1	7	385.91	55.13	208.10	385.91	55.13	208.10	208.10
2-Methylheptane	114.2	8	36.65	4.58	21.44	36.65	4.58	21.44	21.44
3-Methylheptane	114.2	8	39.55	4.94	23.14	39.55	4.94	23.14	23.14
n-Octane	114.2	8	26.43	3.30	15.46	26.43	3.30	15.46	15.46
Ethylbenzene	106.2	8	511.56	63.94	278.32	511.56	63.94	278.32	278.32

m,p-xylene	106.2	8	752.52	94.06	409.41	752.52	94.06	409.41	409.41
Styrene	104.2	8	52.38	6.55	27.96	52.38	6.55	27.96	27.96
o-xylene	106.2	8	477.07	59.63	259.55	477.07	59.63	259.55	259.55
n-Nonane	128.3	9	63.58	7.06	37.14	63.58	7.06	37.14	37.14
i-Propylbenzene	120.2	9	198.10	22.01	108.43	198.10	22.01	108.43	108.43
n-propylbenzene	120.2	9	204.88	22.76	112.15	204.88	22.76	112.15	112.15
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	167.59	18.62	91.73	167.59	18.62	91.73	91.73
1,3,5-Trimethylbenzene	120.2	9	167.59	18.62	91.73	167.59	18.62	91.73	91.73
2-Ethyltoluene	120.2	9	353.17	39.24	193.31	353.17	39.24	193.31	193.31
1,2,4-Trimethylbenzene	120.2	9	577.89	64.21	316.31	577.89	64.21	316.31	316.31
n-Decane	142.3	10	416.63	41.66	242.98	416.63	41.66	242.98	242.98
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	343.71	34.37	189.04	343.71	34.37	189.04	189.04
1,4-Diethylbenzene	134.2	10	392.78	39.28	216.03	392.78	39.28	216.03	216.03
Undecane	156.3	11	15.29	1.39	8.90	15.29	1.39	8.90	8.90
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	6125.21	1020.9	3606.5	6,125.21	1,020.87	3,606.51	3,606.51
Total Non-Methane Hydrocarbons-C1	16	1.0	6125.21	6125.2	4016.5	6,125.21	6,125.21	4,016.53	4,016.53

SDG: **226144**
Laboratory Number: **27**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	4.00	4.61	8.00	12.00	13.82	24.0	U	ND		Y
	4.000	2.00	4.00	4.26	8.00	12.00	12.79	24.0	U	ND		Y
95.58	4.000	2.00	4.00	4.93	8.00	12.00	14.80	24.0		=		Y
28.94	4.000	1.33	2.67	4.60	8.00	8.00	13.80	24.0		=		Y
98.65	4.000	1.33	2.67	4.82	8.00	8.00	14.46	24.0		=		Y
	4.000	1.00	2.00	4.76	8.00	6.00	14.29	24.0	U	ND		Y
11.94	4.000	1.00	2.00	4.60	8.00	6.00	13.80	24.0	J	=		Y
37.77	4.000	1.00	2.00	4.76	8.00	6.00	14.29	24.0		=		Y
	4.000	1.00	2.00	4.60	8.00	6.00	13.80	24.0	U	ND		Y
5.87	4.000	1.00	2.00	4.60	8.00	6.00	13.80	24.0	J	=		Y
10.20	4.000	0.80	1.60	4.73	8.00	4.80	14.20	24.0	J	=		Y
17.61	4.000	0.80	1.60	4.60	8.00	4.80	13.79	24.0		=		Y
14.40	4.000	0.80	1.60	4.73	8.00	4.80	14.18	24.0		=		Y
	4.000	0.80	1.60	4.60	8.00	4.80	13.79	24.0	U	ND		Y
8.68	4.000	0.80	1.60	4.60	8.00	4.80	13.79	24.0	J	=		Y
9.73	4.000	0.67	1.33	4.71	8.00	4.00	14.13	24.0	J	=		Y
16.46	4.000	0.80	1.60	4.60	8.00	4.80	13.79	24.0		=		Y
	4.000	0.67	1.33	4.71	8.00	4.00	14.13	24.0	U	ND		Y
8.53	4.000	0.67	1.33	4.71	8.00	4.00	14.13	24.0	J	=		Y
9.14	4.000	0.67	1.33	4.71	8.00	4.00	14.13	24.0	J	=		Y
17.37	4.000	0.67	1.33	4.71	8.00	4.00	14.13	24.0		=		Y
	4.000	0.67	1.33	4.60	8.00	4.00	13.80	24.0	U	ND		Y
5.79	4.000	0.57	1.14	4.69	8.00	3.43	14.08	24.0	J	=		Y
22.70	4.000	0.67	1.33	4.27	8.00	4.00	12.80	24.0		=		Y
7.93	4.000	0.67	1.33	4.60	8.00	4.00	13.80	24.0	J	=		Y
	4.000	0.57	1.14	4.69	8.00	3.43	14.08	24.0	U	ND		Y
	4.000	0.57	1.14	4.69	8.00	3.43	14.08	24.0	U	ND		Y
11.99	4.000	0.57	1.14	4.69	8.00	3.43	14.08	24.0	J	=		Y
43.02	4.000	0.50	1.00	4.68	8.00	3.00	14.04	24.0		=		Y
20.18	4.000	0.57	1.14	4.69	8.00	3.43	14.08	24.0		=		Y
34.00	4.000	0.57	1.14	4.60	8.00	3.43	13.80	24.0		=		Y
6.97	4.000	0.50	1.00	4.68	8.00	3.00	14.04	24.0	J	=		Y
208.10	4.000	0.57	1.14	4.31	8.00	3.43	12.94	24.0		=		Y
21.44	4.000	0.50	1.00	4.68	8.00	3.00	14.04	24.0		=		Y
23.14	4.000	0.50	1.00	4.68	8.00	3.00	14.04	24.0		=		Y
15.46	4.000	0.50	1.00	4.68	8.00	3.00	14.04	24.0		=		Y
278.32	4.000	0.50	1.00	4.35	8.00	3.00	13.06	24.0		=		Y

409.41	4.000	0.50	1.00	4.35	8.00	3.00	13.06	24.0		=	Y
27.96	4.000	0.50	1.00	4.27	8.00	3.00	12.81	24.0		=	Y
259.55	4.000	0.50	1.00	4.35	8.00	3.00	13.06	24.0		=	Y
37.14	4.000	0.44	0.89	4.67	8.00	2.67	14.02	24.0		=	Y
108.43	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0		=	Y
112.15	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0		=	Y
	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0	U	ND	Y
91.73	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0		=	Y
91.73	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0		=	Y
193.31	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0		=	Y
316.31	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0		=	Y
242.98	4.000	0.40	0.80	4.67	8.00	2.40	14.00	24.0		=	Y
	4.000	0.44	0.89	4.38	8.00	2.67	13.14	24.0	U	ND	Y
189.04	4.000	0.40	0.80	4.40	8.00	2.40	13.20	24.0		=	Y
216.03	4.000	0.40	0.80	4.40	8.00	2.40	13.20	24.0		=	Y
8.90	4.000	0.36	0.73	4.66	8.00	2.18	13.98	24.0	J	=	Y
	4.000	0.33	0.67	4.65	8.00	2.00	13.96	24.0	U	ND	Y
											Y
3,606.51	45.00	7.5	15.00	52.99	90.00	45.0	159.0	270.0		=	Y
4,016.53	45.00	45.0	90.00	59.02	90.00	270.0	177.0	270.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					7.8		7.80		
					0.0			0.00	
155.0						154.97			
					50.3		50.33		
163.7						163.75			
	0.0					0.00			
					20.8		20.77		
63.4						63.44			
					0.0		0.00		
					10.2		10.21		
	17.2					17.23			
					30.6		30.64		
24.4						24.36			
					0.0		0.00		
					15.1		15.10		
	16.5					16.52			
				28.6					28.65
	0.0					0.00			
	14.5					14.49			
	15.5					15.52			
29.5						29.50			
				0.0					0.00
	9.9					9.87			
		42.6							
				13.8		13.79			
	7.7					7.70			
	5.3					5.32			
	20.4					20.44			
	73.5					73.54			
34.4						34.40			
				59.1					59.13
	11.9					11.91			
		385.9							
	36.7					36.65			
	39.5					39.55			
26.4						26.43			
		511.6							

		752.5							
		52.4							
		477.1							
63.6						63.58			
		198.1							
		204.9							
		0.0							
		167.6							
		167.6							
		353.2							
		577.9							
416.6						416.63			
		0.0							
		343.7							
		392.8							
15.3						15.29			
0.0						0.00			
992.3	268.7	4627.7	101.6	134.8	0.0	1274.9	134.8	0.0	87.8

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

42.55

385.91

511.56

752.52
52.38
477.07

198.10
204.88
0.00
167.59
167.59
353.17
577.89

0.00
343.71
392.78

0.0	0.0	0.0	0.0	4627.7	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		27	
Standard Volume	STV	1.0	
Sample Volume	SV	100	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{\text{(Astdnl)}}{\text{(Cstdnl)}}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

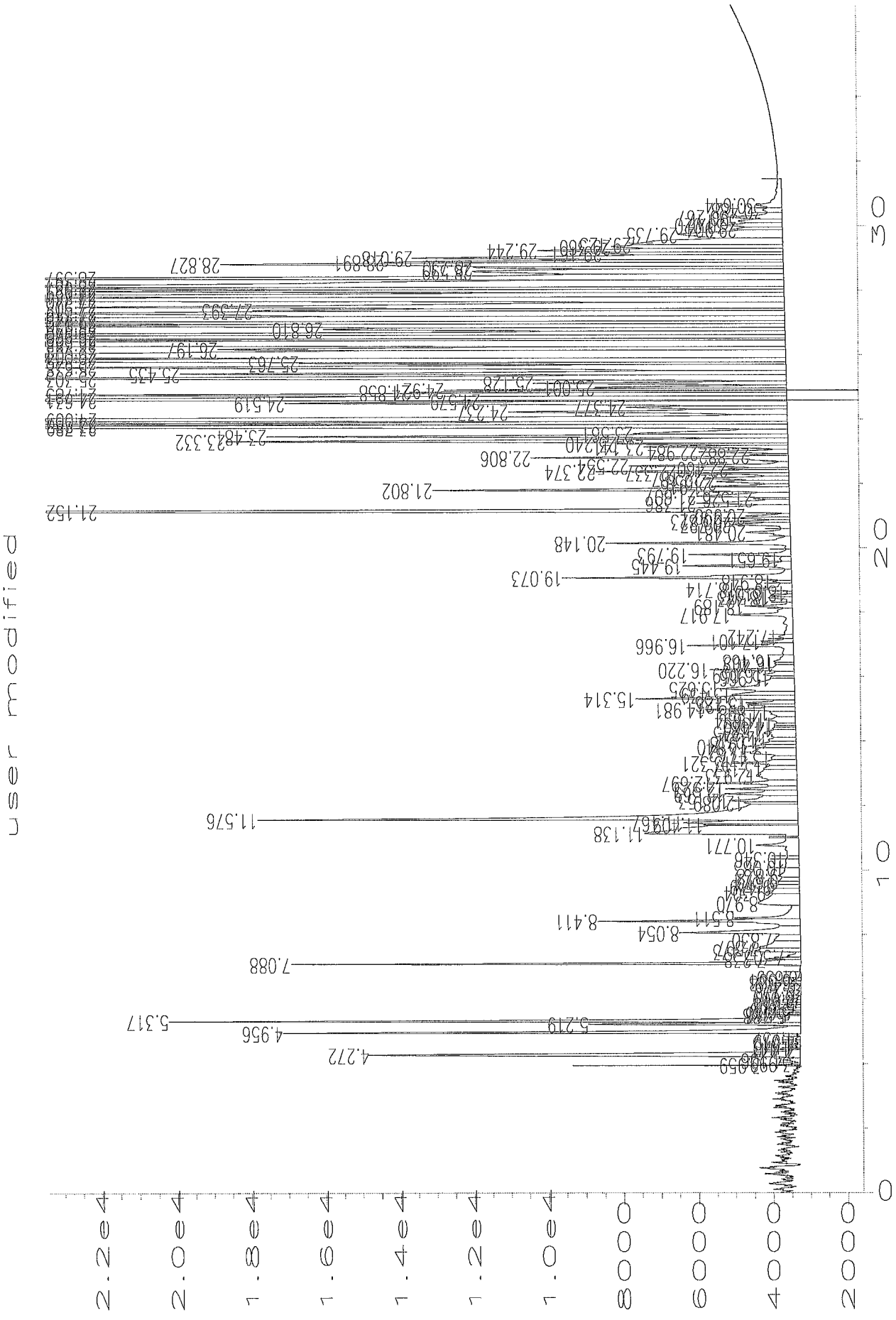
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	3059	7.8	3.90	4.49
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	60783	155.0	77.48	95.58
Propene	3	TRG	42.1	1.75E+04	19739	50.3	16.78	28.94
Propane	3	TRG	44.1	1.75E+04	64226	163.7	54.58	98.65
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	8146	20.8	5.19	11.94
n-Butane	4	TRG	58.1	1.75E+04	24884	63.4	15.86	37.77
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	4005	10.2	2.55	5.87
i-Pentane	5	TRG	72.2	1.75E+04	6760	17.2	3.45	10.20
1-Pentene	5	TRG	70.1	1.75E+04	12019	30.6	6.13	17.61
n-Pentane	5	TRG	72.1	1.75E+04	9556	24.4	4.87	14.40
t-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.75E+04	5923	15.1	3.02	8.68
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	6481	16.5	2.75	9.73
Cyclopentane	5	TRG	70.1	1.75E+04	11236	28.6	5.73	16.46
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	5682	14.5	2.41	8.53
3-Methylpentane	6	TRG	86.2	1.75E+04	6089	15.5	2.59	9.14
n-Hexane	6	TRG	86.2	1.75E+04	11571	29.5	4.92	17.37
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	3873	9.9	1.41	5.79
Benzene	6	TRG	78.1	1.75E+04	16691	42.6	7.09	22.70
Cyclohexane	6	TRG	84.2	1.75E+04	5408	13.8	2.30	7.93
2-Methylhexane	7	TRG	100.2	1.75E+04	3022	7.7	1.10	4.52
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	2087	5.3	0.76	3.12
3-Methylhexane	7	TRG	100.2	1.75E+04	8016	20.4	2.92	11.99
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	28843	73.5	9.19	43.02
n-Heptane	7	TRG	100.2	1.75E+04	13492	34.4	4.91	20.18
Methylcyclohexane	7	TRG	98.2	1.75E+04	23193	59.1	8.45	34.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	4671	11.9	1.49	6.97
Toluene	7	TRG	92.1	1.75E+04	151367	385.9	55.13	208.10
2-Methylheptane	8	TRG	114.2	1.75E+04	14376	36.7	4.58	21.44
3-Methylheptane	8	TRG	114.2	1.75E+04	15511	39.5	4.94	23.14
n-Octane	8	TRG	114.2	1.75E+04	10367	26.4	3.30	15.46
Ethylbenzene	8	TRG	106.2	1.75E+04	200648	511.6	63.94	278.32

m,p-xylene	8	TRG	106.2	1.75E+04	295160	752.5	94.06	409.41
Styrene	8	TRG	104.2	1.75E+04	20546	52.4	6.55	27.96
o-xylene	8	TRG	106.2	1.75E+04	187122	477.1	59.63	259.55
n-Nonane	9	TRG	128.3	1.75E+04	24937	63.6	7.06	37.14
i-Propylbenzene	9	TRG	120.2	1.75E+04	77701	198.1	22.01	108.43
n-propylbenzene	9	TRG	120.2	1.75E+04	80362	204.9	22.76	112.15
3-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.75E+04	65732	167.6	18.62	91.73
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	65732	167.6	18.62	91.73
2-Ethyltoluene	9	TRG	120.2	1.75E+04	138524	353.2	39.24	193.31
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	226664	577.9	64.21	316.31
n-Decane	10	TRG	142.3	1.75E+04	163416	416.6	41.66	242.98
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	134812	343.7	34.37	189.04
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	154062	392.8	39.28	216.03
Undecane	11	TRG	156.3	1.75E+04	5997	15.3	1.39	8.90
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	2402491	6125.2	1020.87	3606.51
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	2402491	6125.2	6125.21	4016.53

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Sample Data Packages

SDG Number **226144**

Lab Id Number **28**

Client ID T-214

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Canister: 692
QC_Batch: 082626-GCK

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 08/26/2026 **Time:** 13:39
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	3.07	2.30	6.90	5.30	J
74-98-6	Propane	1.33	4.00	3.37	2.41	7.23	6.09	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.82	2.36	7.07	2.91	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **28**
File Name: **2614428A** **B**
Sample ID: **T-214**
Sampled: **7/21/2026**
Received: **07/24/26**
Analyzed: **08/26/2026**
QCBatch: **082626-GCK**
Can: **692**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **12:38** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **13:39** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **315469**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.08	**4.11**		NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.12			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.19**		I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**	7228	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.24**	7934	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.64**						134	351
106-98-9	1-Butene	P	7.29	7.33	**7.41**		I	I	H	369	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.40**	1479	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.81						196	410
590-18-1	c-2-Butene	P	9.63	9.69						196	431
78-78-4	i-Pentane	P	11.37	11.40						196	473
109-67-1	1-Pentene	P	12.30	12.33						196	495
109-66-0	n-Pentane	P	12.48	**12.51**	**12.51**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.82						162	510
627-20-3	c-2-Pentene	P	13.08	13.11						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.80						162	537
287-92-3	Cyclopentane	P	14.88	14.91	**14.97**		I	I	H	566	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.09						162	570
107-83-5	2-Methylpentane	P	15.08	15.11	**15.12**		I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.58	**15.60**		I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.20**	**16.21**	3874	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.90						98	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.09	**17.09**		I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.91**	**17.91**		I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.18						98	658
591-76-4	2-Methylhexane	P	18.38	18.42	**18.43**		I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.49						98	671
589-34-4	3-Methylhexane	P	18.66	18.70						98	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.13	**19.13**		I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.45	**19.44**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.13						28	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.97						28	753
108-88-3	Toluene	P	21.12	**21.16**	**21.16**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.37						28	768
589-81-1	3-Methylheptane	p	21.55	21.59						28	775
111-65-9	n-Octane	P	22.27	22.31	**22.33**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.79						-79	855
108-38-3	m,p-xylene	P	23.95	23.99						-79	863
100-42-5	Styrene	P	24.40	24.44						-79	881
95-47-6	o-xylene	P	24.57	24.61	**24.61**		I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.91	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.40						-141	919
103-65-1	n-propylbenzene	P	25.93	25.97	**25.98**		I	I	H	946	947
620-14-4	3-Ethyltoluene	P	26.17	26.21	**26.17**		I	I	H	954	957
622-96-8	4-Ethyltoluene	P	26.26	26.30	**26.37**		I	O	M	963	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.49	**26.49**		I	O	M	968	964
611-14-3	2-Ethyltoluene	P	26.61	26.65						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.12	**27.07**		I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.30	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.59						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.14						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.27						-48	1037
1120-21-4	Undecane	P	29.86	29.90	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.50	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**20515**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					20515		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					20515		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082626-GCK		
Hexane Std Area:	315469		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	9.21	3.07	5.30	9.21	3.07	5.30	5.30
Propane	44.1	3	10.11	3.37	6.09	10.11	3.37	6.09	6.09
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	1.89	0.47	1.12	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	4.94	**0.82**	2.91	4.94	0.82	2.91	2.91
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

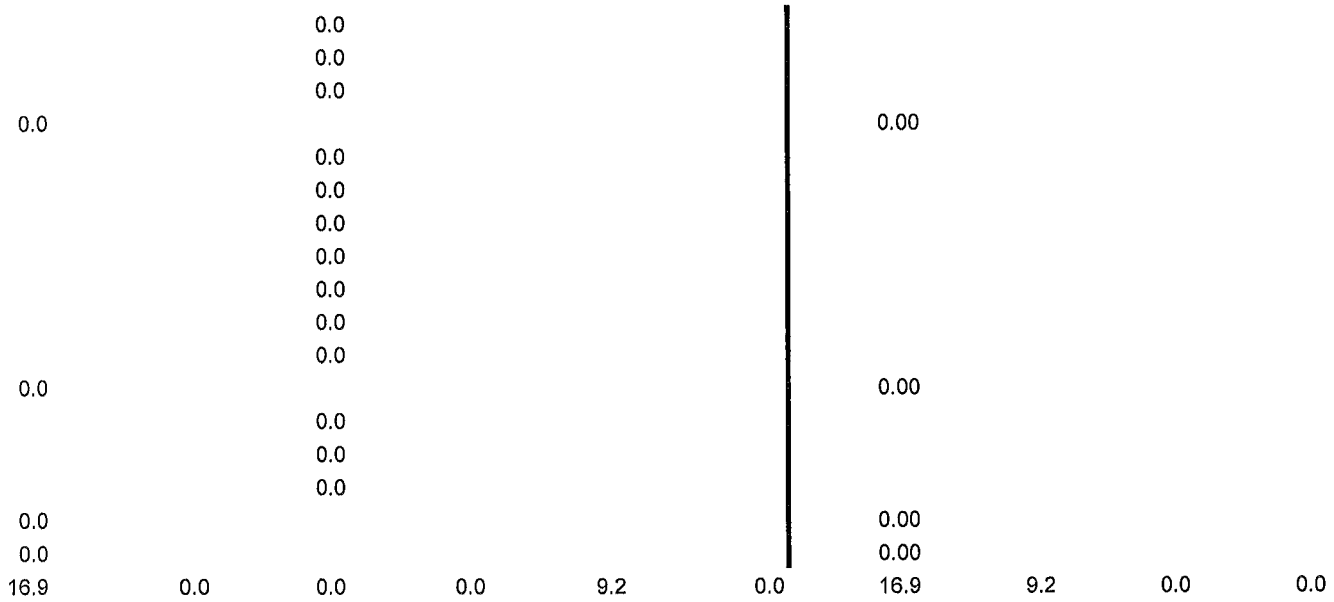
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	26.15	4.4	15.4	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	26.15	26.2	17.1	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **28**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
5.30	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
6.09	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
2.91	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					9.2		9.21		
10.1						10.11			
		0.0				0.00			
					0.0		0.00		
1.9						1.89			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
4.9						4.94			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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0.00

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		28	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\sum \frac{(Astd_{ni})}{(Cstd_{ni})_i}$

2) ppbC = $\frac{6 \text{ Carbons}}{(\text{Avg RFn})} \times \frac{\text{Ansamp}}{SV} \times CDF \times 1000 = \textbf{Cn}$

3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv)}{24.4}$ MW

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.75E+04	7228	9.2	3.07	5.30
Propane	3	TRG	44.1	1.75E+04	7934	10.1	3.37	6.09
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.75E+04	1479	1.9	0.47	1.12
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.75E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.75E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.75E+04	3874	4.9	0.82	2.91
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.75E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.75E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.75E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.75E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.75E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.75E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.75E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	20515	26.2	4.36	15.40
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	20515	26.2	26.15	17.15

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Sample Data Packages

SDG Number 226144

Lab Id Number 29

Client ID T-301

Analytical Method TO-12

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Analytical Report
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Canister: 659
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 08/10/2026 **Time:** 16:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	24.63	2.30	6.91	28.37	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.20	2.41	7.23	13.01	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.45	2.38	7.14	5.83	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	3.02	2.37	7.10	8.94	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.14	2.36	7.07	7.57	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	0.54	2.34	7.02	2.55	J
589-81-1	3-Methylheptane	0.50	1.50	1.68	2.34	7.02	7.86	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.45	2.20	6.60	2.46	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	27.59	26.50	79.49	97.47	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	165.54	29.51	88.52	108.55	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **29**
File Name: **2614429A** **B**
Sample ID: **T-301**
Sampled: **7/22/2026**
Received: **07/24/26**
Analyzed: **08/10/2026**
QCBatch: **081026-GCK**
Can: **659**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **8:23** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **16:49** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **364783**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.08**	38643	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**	1348	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.11**	2752	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**	16944	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.26**	1765	I	I	H	366	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**	7681	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74						198	410
590-18-1	c-2-Butene	P	9.63	9.62	**9.71**		I	I	H	434	431
78-78-4	i-Pentane	P	11.37	11.33	**11.40**	11849	I	I	H	475	473
109-67-1	1-Pentene	P	12.30	12.26	**12.34**		I	I	H	497	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75	**12.77**		I	I	H	509	510
627-20-3	c-2-Pentene	P	13.08	13.04	**13.09**		I	I	H	517	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73	**13.65**		I	O	M	533	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.90**		I	I	H	567	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						163	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.04**		I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.58**	10080	I	I	H	585	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.14**	2621	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83	**16.86**		I	I	H	622	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02	**17.02**		I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.84**	**17.84**	2178	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.11	**18.05**		I	I	H	659	658
591-76-4	2-Methylhexane	P	18.38	18.35	**18.35**		I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.42	**18.43**		I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.63	**18.63**		I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.06	**19.00**		I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.38	**19.37**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.06	**20.07**		I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.90	**20.97**		I	I	H	756	753
108-88-3	Toluene	P	21.12	**21.09**	**21.12**	1131	I	I	H	761	758
592-27-8	2-Methylheptane	P	21.33	21.33	**21.39**	3414	I	I	H	770	768
589-81-1	3-Methylheptane	p	21.55	21.55	**21.48**	10545	I	I	H	774	775
111-65-9	n-Octane	P	22.27	22.27	**22.24**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75	**23.73**		I	I	H	857	855
108-38-3	m,p-xylene	P	23.95	23.95	**23.96**	1381	I	I	H	866	863
100-42-5	Styrene	P	24.40	24.40	**24.31**		I	I	H	879	881
95-47-6	o-xylene	P	24.57	24.57	**24.57**		I	I	H	889	886
111-84-2	n-Nonane	P	24.87	24.87	**24.86**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36	**25.30**	2102	I	I	H	918	919
103-65-1	n-propylbenzene	P	25.93	25.93	**25.89**	2449	I	O	M	942	947
620-14-4	3-Ethyltoluene	P	26.17	26.17	**26.10**	2449	I	O	M	951	957
622-96-8	4-Ethyltoluene	P	26.26	26.26	**26.29**	2376	I	I	H	959	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45	**26.54**	1685	I	O	M	969	964
611-14-3	2-Ethyltoluene	P	26.61	26.61	**26.63**		I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08	**27.08**	1204	I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.26	**27.28**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55	**27.50**		I	O	M	1008	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10	**28.16**	804	I	I	H	1033	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23	**28.31**	3505	I	I	H	1039	1037
1120-21-4	Undecane	P	29.86	29.95	**29.95**	951	I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.55	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**129857**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					129857		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					129857		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081026-GCK		
Hexane Std Area:	364783		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	49.26	24.63	28.37	49.26	24.63	28.37	28.37
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	1.72	0.86	1.06	ND	ND	ND	0
Propene	42.1	3	3.51	1.17	2.02	ND	ND	ND	0
Propane	44.1	3	21.60	7.20	13.01	21.60	7.20	13.01	13.01
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.25	0.56	1.29	ND	ND	ND	0
n-Butane	58.1	4	9.79	2.45	5.83	9.79	2.45	5.83	5.83
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	15.10	3.02	8.94	15.10	3.02	8.94	8.94
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	12.85	2.14	7.57	12.85	2.14	7.57	7.57
n-Hexane	86.2	6	3.34	**0.56**	1.97	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	2.78	0.46	1.48	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	1.44	0.21	0.78	ND	ND	ND	0
2-Methylheptane	114.2	8	4.35	0.54	2.55	4.35	0.54	2.55	2.55
3-Methylheptane	114.2	8	13.44	1.68	7.86	13.44	1.68	7.86	7.86
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	1.76	0.22	0.96	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	2.68	0.30	1.47	ND	ND	ND	0
n-propylbenzene	120.2	9	3.12	0.35	1.71	ND	ND	ND	0
3-Ethyltoluene	120.2	9	3.12	0.35	1.71	ND	ND	ND	0
4-Ethyltoluene	120.2	9	3.03	0.34	1.66	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	2.15	0.24	1.18	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	1.53	0.17	0.84	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	1.02	0.10	0.56	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	4.47	0.45	2.46	4.47	0.45	2.46	2.46
Undecane	156.3	11	1.21	0.11	0.71	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	165.54	27.6	97.5	165.54	27.59	97.47	97.47
Total Non-Methane Hydrocarbons-C1	16	1.0	165.54	165.5	108.5	165.54	165.54	108.55	108.55

SDG: **226144**
Laboratory Number: **29**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
28.37	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0		=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
13.01	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
5.83	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
8.94	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
7.57	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
2.55	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
7.86	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
2.46	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
97.47	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
108.55	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					49.3		49.26		
					0.0			0.00	
1.7						1.72			
					3.5		3.51		
21.6						21.60			
	0.0					0.00			
					2.2		2.25		
9.8						9.79			
					0.0		0.00		
					0.0		0.00		
	15.1					15.10			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
				0.0					0.00
	0.0					0.00			
	0.0					0.00			
	12.8					12.85			
3.3						3.34			
				0.0					0.00
	0.0					0.00			
		2.8							
				0.0		0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0					0.00
	0.0					0.00			
		1.4							
	4.4					4.35			
	13.4					13.44			
0.0						0.00			
		0.0							

		1.8							
		0.0							
		0.0							
0.0						0.00			
		2.7							
		3.1							
		3.1							
		3.0							
		2.1							
		0.0							
		1.5							
0.0						0.00			
		0.0							
		1.0							
		4.5							
1.2						1.21			
0.0						0.00			
37.7	45.7	27.1	0.0	55.0	0.0	83.4	55.0	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

2.78

1.44

0.00

1.76
0.00
0.00

2.68
3.12
3.12
3.03
2.15
0.00
1.53

0.00
1.02
4.47

0.0	0.0	0.0	0.0	27.1	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		29	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}} = \text{Cn}$

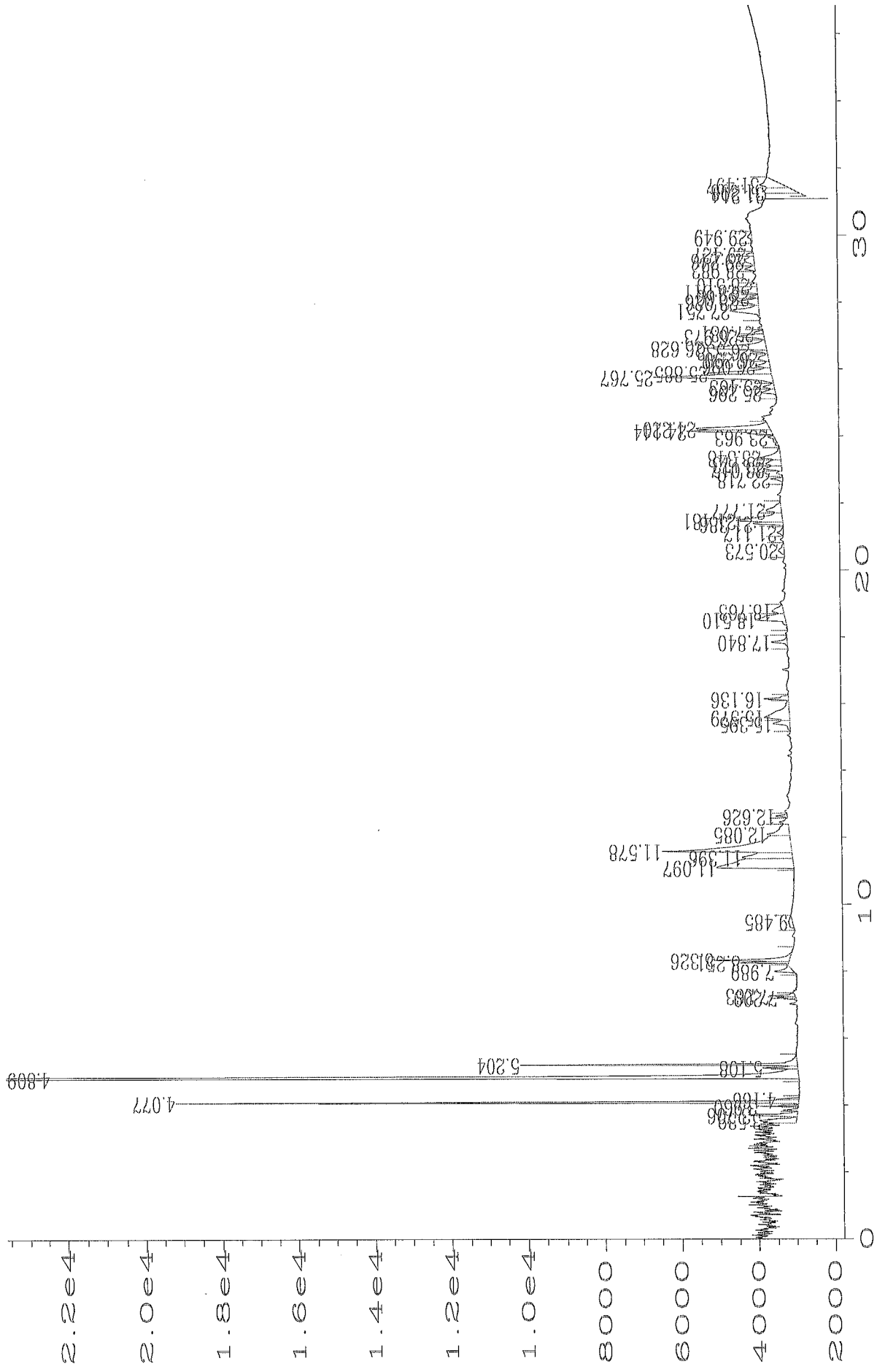
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.02E+04	38643	49.3	24.63	28.37
Acetylene	2	TRG	26.0	2.02E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.02E+04	1348	1.7	0.86	1.06
Propene	3	TRG	42.1	2.02E+04	2752	3.5	1.17	2.02
Propane	3	TRG	44.1	2.02E+04	16944	21.6	7.20	13.01
i-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.02E+04	1765	2.2	0.56	1.29
n-Butane	4	TRG	58.1	2.02E+04	7681	9.8	2.45	5.83
t-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.02E+04	11849	15.1	3.02	8.94
1-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.02E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.02E+04	10080	12.8	2.14	7.57
n-Hexane	6	TRG	86.2	2.02E+04	2621	3.3	0.56	1.97
Methylcyclopentane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.02E+04	2178	2.8	0.46	1.48
Cyclohexane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.02E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.02E+04	1131	1.4	0.21	0.78
2-Methylheptane	8	TRG	114.2	2.02E+04	3414	4.4	0.54	2.55
3-Methylheptane	8	TRG	114.2	2.02E+04	10545	13.4	1.68	7.86
n-Octane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.02E+04	1381	1.8	0.22	0.96
Styrene	8	TRG	104.2	2.02E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.02E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.02E+04	2102	2.7	0.30	1.47
n-propylbenzene	9	TRG	120.2	2.02E+04	2449	3.1	0.35	1.71
3-Ethyltoluene	9	TRG	120.2	2.02E+04	2449	3.1	0.35	1.71
4-Ethyltoluene	9	TRG	120.2	2.02E+04	2376	3.0	0.34	1.66
1,3,5-Trimethylbenzene	9	TRG	120.2	2.02E+04	1685	2.1	0.24	1.18
2-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.02E+04	1204	1.5	0.17	0.84
n-Decane	10	TRG	142.3	2.02E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.02E+04	804	1.0	0.10	0.56
1,4-Diethylbenzene	10	TRG	134.2	2.02E+04	3505	4.5	0.45	2.46
Undecane	11	TRG	156.3	2.02E+04	951	1.2	0.11	0.71
Dodecane	12	TRG	170.3	2.02E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.02E+04	129857	165.5	27.59	97.47
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.02E+04	129857	165.5	165.54	108.55

C:\GCCHEM\1\DATA\GCK\08106K\26144429A.D



Sample Data Packages

SDG Number 226144

Lab Id Number 30

Client ID T-302

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 30

File Name: 2614430A
Description: T-302
Canister: 897
QC_Batch: 082626-GCK

Date Sampled: 07/22/26 **Time:** 8:28
Date Analyzed: 08/26/2026 **Time:** 14:24
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.32	2.47	7.40	30.01	
115-07-1	Propene	1.33	4.00	2.93	2.30	6.90	5.06	J
74-98-6	Propane	1.33	4.00	3.62	2.41	7.23	6.54	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	0.70	2.36	7.07	2.46	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.70	26.50	79.49	44.86	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	76.18	29.51	88.52	49.95	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 30
File Name: 2614430A B
Sample ID: T-302
Sampled: 7/22/2026 Time: 8:28
Received: 07/24/26 Time: 16:10
Analyzed: 08/26/2026 Time: 14:24
QCBatch: 082626-GCK
Can: 897
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 315469
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.10	**4.07**	1830	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.14			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.21**	38163	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.15**	6903	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.25**	8510	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.65**						133	351
106-98-9	1-Butene	P	7.29	7.34	**7.41**		I	I	H	369	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.40**	1078	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.81						196	410
590-18-1	c-2-Butene	P	9.63	9.69						196	431
78-78-4	i-Pentane	P	11.37	11.40						196	473
109-67-1	1-Pentene	P	12.30	12.33						196	495
109-66-0	n-Pentane	P	12.48	**12.51**	**12.51**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.82						163	510
627-20-3	c-2-Pentene	P	13.08	13.11						163	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.80						163	537
287-92-3	Cyclopentane	P	14.88	14.91	**14.97**		I	I	H	566	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.09						163	570
107-83-5	2-Methylpentane	P	15.08	15.11	**15.12**		I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.58	**15.60**		I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.20**	**16.22**	3277	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.91						96	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.10	**17.09**		I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.92**	**17.91**		I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.18						96	658
591-76-4	2-Methylhexane	P	18.38	18.42	**18.43**		I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.49						96	671
589-34-4	3-Methylhexane	P	18.66	18.70						96	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.13	**19.13**		I	I	H	690	690
142-82-5	n-Heptane	P	19.41	19.45	**19.44**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.13						28	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.97						28	753
108-88-3	Toluene	P	21.12	**21.16**	**21.16**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.37						28	768
589-81-1	3-Methylheptane	p	21.55	21.59						28	775
111-65-9	n-Octane	P	22.27	22.31	**22.33**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.79						-79	855
108-38-3	m,p-xylene	P	23.95	23.99						-79	863
100-42-5	Styrene	P	24.40	24.44						-79	881
95-47-6	o-xylene	P	24.57	24.61	**24.61**		I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.91	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.40						-141	919
103-65-1	n-propylbenzene	P	25.93	25.97	**25.98**		I	I	H	946	947
620-14-4	3-Ethyltoluene	P	26.17	26.21	**26.17**		I	I	H	954	957
622-96-8	4-Ethyltoluene	P	26.26	26.30	**26.37**		I	O	M	963	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.49	**26.49**		I	O	M	968	964
611-14-3	2-Ethyltoluene	P	26.61	26.65						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.12	**27.07**		I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.30	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.59						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.14						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.27						-48	1037
1120-21-4	Undecane	P	29.86	29.90	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.50	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**59761**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					59761		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					59761		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082626-GCK		
Hexane Std Area:	315469		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.33	1.17	1.34	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	48.65	24.32	30.01	48.65	24.32	30.01	30.01
Propene	42.1	3	8.80	2.93	5.06	8.80	2.93	5.06	5.06
Propane	44.1	3	10.85	3.62	6.54	10.85	3.62	6.54	6.54
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	1.37	0.34	0.82	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	4.18	**0.70**	2.46	4.18	0.70	2.46	2.46
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	76.18	12.7	44.9	76.18	12.70	44.86	44.86
Total Non-Methane Hydrocarbons-C1	16	1.0	76.18	76.2	50.0	76.18	76.18	49.95	49.95

SDG: **226144**
Laboratory Number: **30**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
30.01	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
5.06	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
6.54	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
2.46	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
44.86	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
49.95	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.3		2.33		
					0.0			0.00	
48.6						48.65			
					8.8		8.80		
10.8						10.85			
		0.0				0.00			
					0.0		0.00		
1.4						1.37			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
4.2						4.18			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
65.0	0.0	0.0	0.0	11.1	0.0	65.0	11.1	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		30	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

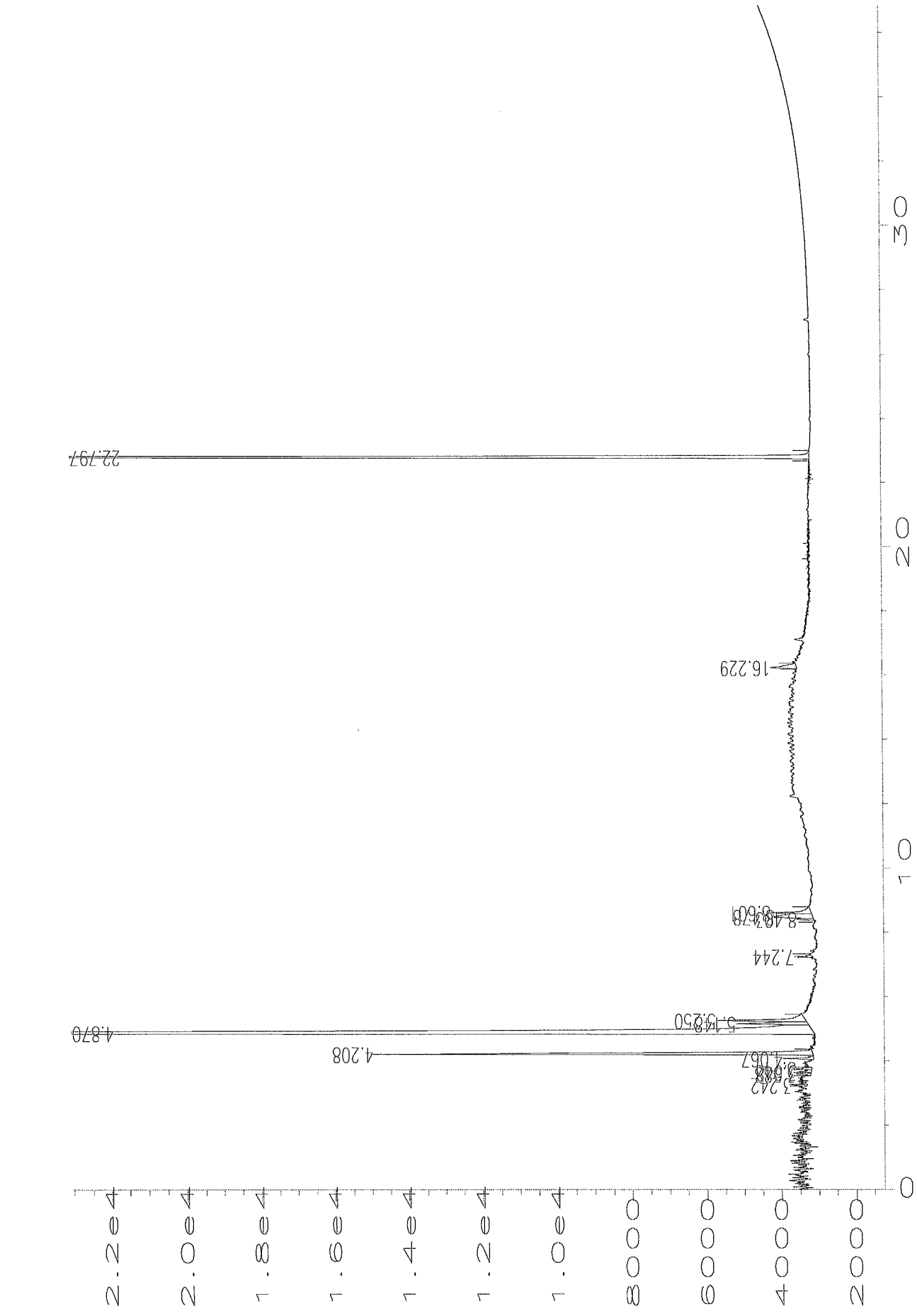
2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	1830	2.3	1.17	1.34
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	38163	48.6	24.32	30.01
Propene	3	TRG	42.1	1.75E+04	6903	8.8	2.93	5.06
Propane	3	TRG	44.1	1.75E+04	8510	10.8	3.62	6.54
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.75E+04	1078	1.4	0.34	0.82
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.75E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.75E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.75E+04	3277	4.2	0.70	2.46
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.75E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.75E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.75E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.75E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.75E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.75E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.75E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	59761	76.2	12.70	44.86
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	59761	76.2	76.18	49.95


C:\HPCHEM\1\DATA\08266K\26144301A.D
22.797
16.229
8.487
8.603
7.244
5.190
5.250
4.870
4.208
4.067
3.688
3.242
2.20e4
2.00e4
1.80e4
1.60e4
1.40e4
1.20e4
1.00e4
8000
6000
4000
2000
30
20
10
0

Sample Data Packages

SDG Number **226144**

Lab Id Number **31**

Client ID T-303

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Canister: 754
QC_Batch: 082726-GCK

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 08/27/2026 **Time:** 12:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	25.21	2.47	7.40	31.10	
115-07-1	Propene	1.33	4.00	2.43	2.30	6.90	4.20	J
74-98-6	Propane	1.33	4.00	2.87	2.41	7.23	5.19	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.29	26.50	79.49	43.43	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	73.76	29.51	88.52	48.36	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 31
File Name: 2614431A B
Sample ID: T-303
Sampled: 7/22/2026
Received: 07/24/26
Analyzed: 08/27/2026
QCBatch: 082726-GCK
Can: 754
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 8:23 Matrix AA
Time: 16:10 Chem TRG
Time: 12:41 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 301743
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05	**4.03**	1358	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	39555	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.12**	5730	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.22**	6756	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.62**						134	351
106-98-9	1-Butene	P	7.29	7.31	**7.23**	0	I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.37**	3074	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.78						196	410
590-18-1	c-2-Butene	P	9.63	9.66						196	431
78-78-4	i-Pentane	P	11.37	11.37						196	473
109-67-1	1-Pentene	P	12.30	12.30						196	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						166	510
627-20-3	c-2-Pentene	P	13.08	13.08						166	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						166	537
287-92-3	Cyclopentane	P	14.88	14.88						166	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						166	570
107-83-5	2-Methylpentane	P	15.08	15.08						166	571
96-14-0	3-Methylpentane	P	15.55	15.55						166	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.21**	1385	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.90						93	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.09						93	626
71-43-2	Benzene	P	17.87	**17.91**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						93	658
591-76-4	2-Methylhexane	P	18.38	18.40						93	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						93	671
589-34-4	3-Methylhexane	P	18.66	18.68						93	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**57858**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					57858		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					57858		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082726-GCK		
Hexane Std Area:	301743		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.73	0.87	1.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	50.42	25.21	31.10	50.42	25.21	31.10	31.10
Propene	42.1	3	7.30	2.43	4.20	7.30	2.43	4.20	4.20
Propane	44.1	3	8.61	2.87	5.19	8.61	2.87	5.19	5.19
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	3.92	0.98	2.33	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	1.77	**0.29**	1.04	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

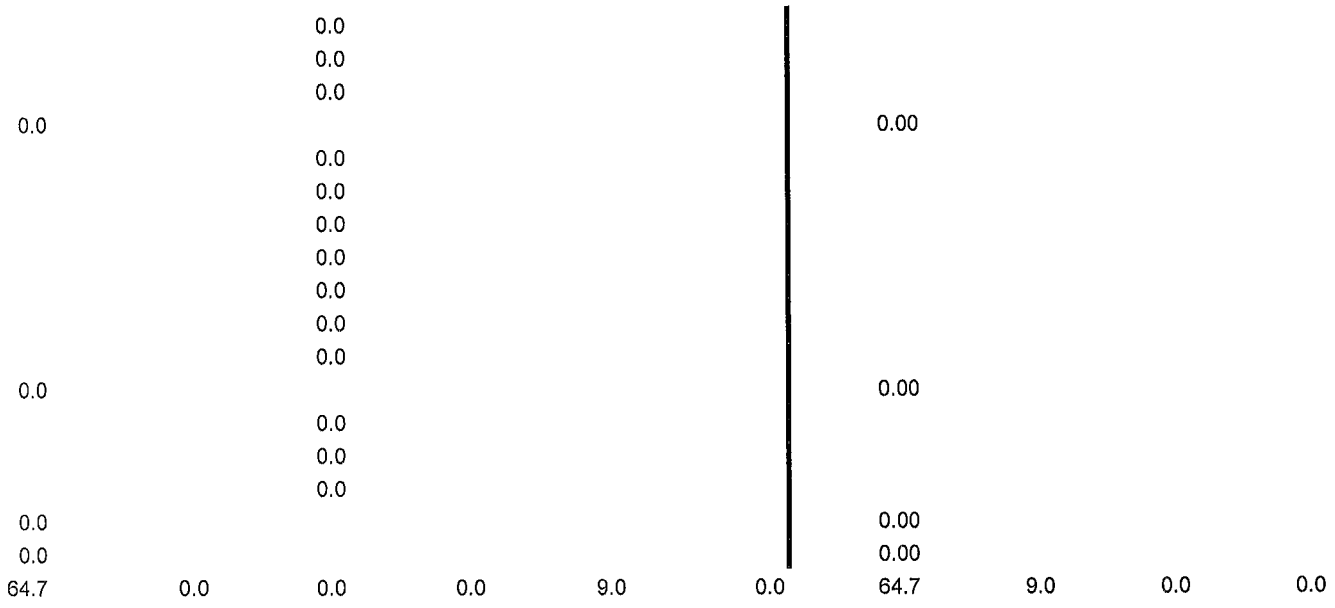
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	73.76	12.3	43.4	73.76	12.29	43.43	43.43
Total Non-Methane Hydrocarbons-C1	16	1.0	73.76	73.8	48.4	73.76	73.76	48.36	48.36

SDG: **226144**
Laboratory Number: **31**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
31.10	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
4.20	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
5.19	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
43.43	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
48.36	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.7		1.73		
					0.0			0.00	
50.4						50.42			
					7.3		7.30		
8.6						8.61			
		0.0				0.00			
					0.0		0.00		
3.9						3.92			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
1.8						1.77			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		31	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\ \left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i}{}$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

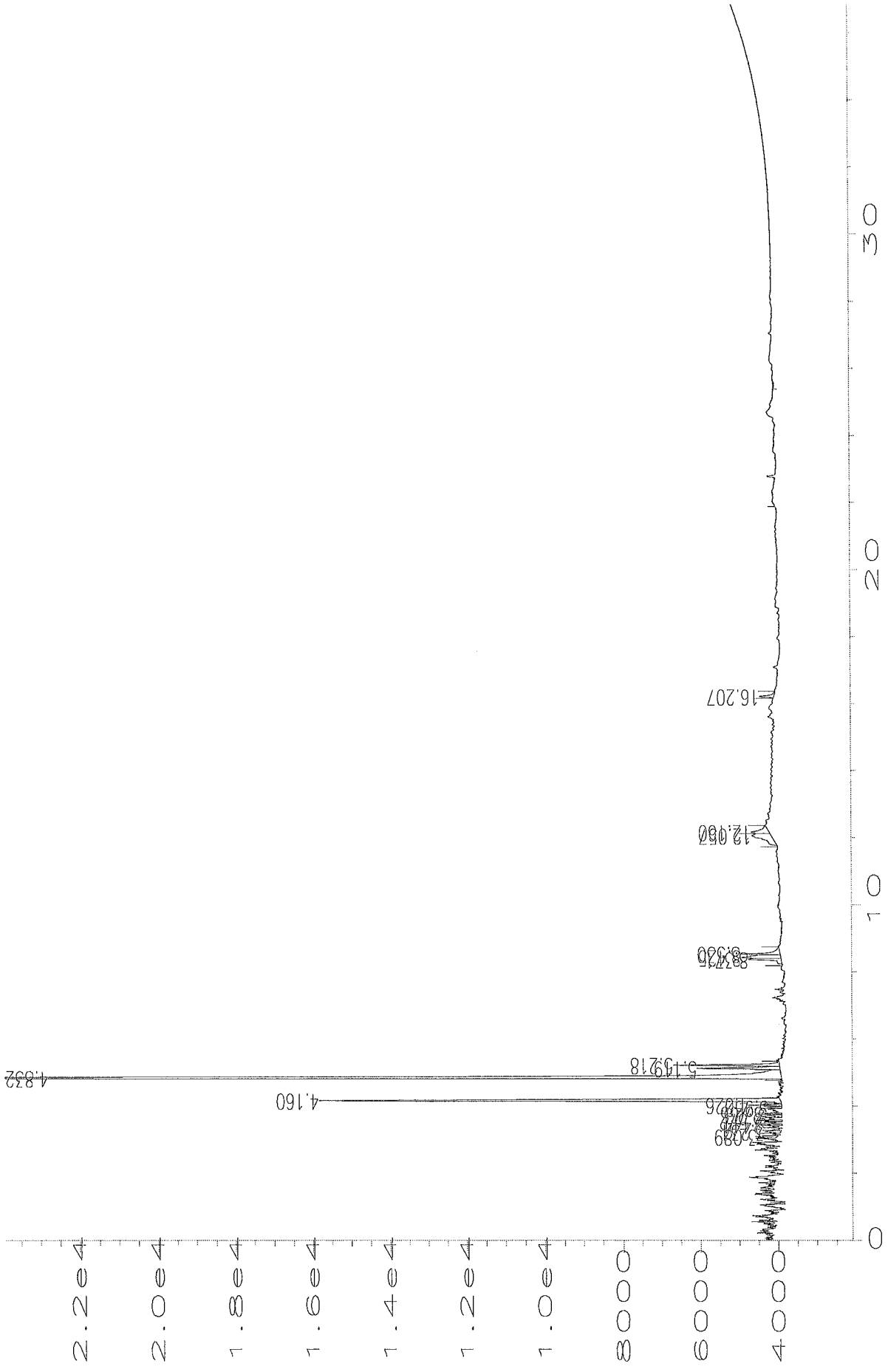
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.67E+04	1358	1.7	0.87	1.00
Acetylene	2	TRG	26.0	1.67E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.67E+04	39555	50.4	25.21	31.10
Propene	3	TRG	42.1	1.67E+04	5730	7.3	2.43	4.20
Propane	3	TRG	44.1	1.67E+04	6756	8.6	2.87	5.19
i-Butane	4	TRG	58.1	1.67E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.67E+04	3074	3.9	0.98	2.33
t-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.67E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.67E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.67E+04	1385	1.8	0.29	1.04
Methylcyclopentane	6	TRG	84.2	1.67E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.67E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.67E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.67E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.67E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.67E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.67E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.67E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.67E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.67E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.67E+04	57858	73.8	12.29	43.43
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.67E+04	57858	73.8	73.76	48.36

C:\HPCHEM\1\DATA\082766K\26144431A.D



Sample Data Packages

SDG Number 226144

Lab Id Number 32

Client ID T-304

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Canister: 745
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 08/10/2026 **Time:** 19:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.03	2.47	7.40	29.65	
115-07-1	Propene	1.33	4.00	1.69	2.30	6.90	2.92	J
74-98-6	Propane	1.33	4.00	4.47	2.41	7.23	8.08	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	4.15	2.30	6.90	9.54	
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	82.23	2.36	7.09	242.98	
646-04-8	t-2-Pentene	0.80	2.40	64.20	2.30	6.90	184.44	
627-20-3	c-2-Pentene	0.80	2.40	143.62	2.30	6.90	412.63	
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	1.14	2.30	6.90	3.93	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.77	2.16	6.47	2.92	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	0.56	2.34	7.02	2.63	J
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	3.81	2.14	6.41	16.25	
95-47-6	o-xylene	0.50	1.50	2.68	2.18	6.53	11.67	
111-84-2	n-Nonane	0.44	1.33	0.57	2.34	7.01	2.98	J
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.81	2.19	6.57	8.94	
622-96-8	4-Ethyltoluene	0.44	1.33	0.74	2.19	6.57	3.64	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.03	2.19	6.57	5.05	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.62	2.20	6.60	3.38	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.62	2.20	6.60	3.39	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	277.73	26.50	79.49	981.18	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	1,666.40	29.51	88.52	1,092.72	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 32
File Name: 2614432A B
Sample ID: T-304
Sampled: 7/22/2026
Received: 07/24/26
Analyzed: 08/10/2026
QCBatch: 081026-GCK
Can: 745
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 8:25 Matrix AA
Time: 16:10 Chem TRG
Time: 19:28 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 364783
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.08	**4.08**		NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.12			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.19**	37705	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.13**	3987	I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	**5.22**	10518	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.62**						132	351
106-98-9	1-Butene	P	7.29	7.31	**7.26**		I	I	H	366	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74	**8.74**	13015	I	I	H	410	410
590-18-1	c-2-Butene	P	9.63	9.62	**9.71**		I	I	H	434	431
78-78-4	i-Pentane	P	11.37	11.33	**11.40**		I	I	H	475	473
109-67-1	1-Pentene	P	12.30	12.26	**12.34**		I	I	H	497	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**	322527	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75	**12.71**	251802	I	I	H	507	510
627-20-3	c-2-Pentene	P	13.08	13.04	**12.97**	563340	I	O	M	514	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73	**13.65**		I	O	M	533	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.90**		I	I	H	567	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						163	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.04**		I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.58**		I	I	H	585	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.14**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83	**16.86**		I	I	H	622	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02	**17.02**		I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.84**	**17.84**		I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.11	**18.02**	5358	I	I	H	658	658
591-76-4	2-Methylhexane	P	18.38	18.35	**18.35**		I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.42	**18.43**		I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.63						100	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.06						100	690
142-82-5	n-Heptane	P	19.41	19.38	**19.37**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.06	**20.02**	1775	I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.90	**20.97**		I	O	M	758	753
108-88-3	Toluene	P	21.12	**21.09**	**21.03**	4253	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.24	**21.39**		O	O	L	773	768
589-81-1	3-Methylheptane	p	21.55	21.46	**21.48**		I	I	H	777	775
111-65-9	n-Octane	P	22.27	22.18	**22.12**	3530	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.66	**23.64**	1434	I	O	M	859	855
108-38-3	m,p-xylene	P	23.95	23.86	**23.96**	0	I	O	M	871	863
100-42-5	Styrene	P	24.40	24.31	**24.30**	23884	I	I	H	884	881
95-47-6	o-xylene	P	24.57	24.48	**24.43**	16828	I	O	M	889	886
111-84-2	n-Nonane	P	24.87	24.78	**24.71**	4003	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.27	**25.30**		I	O	M	923	919
103-65-1	n-propylbenzene	P	25.93	25.84	**25.87**	12811	I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.08	**26.01**		I	O	M	951	957
622-96-8	4-Ethyltoluene	P	26.26	26.17	**26.22**	5214	I	I	H	959	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.36	**26.40**	2726	I	I	H	966	964
611-14-3	2-Ethyltoluene	P	26.61	26.52	**26.49**	2972	I	O	M	969	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	26.99	**27.04**	7243	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.17	**27.28**		O	I	M	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.46	**27.55**	2642	I	O	M	1010	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.01	**28.06**	4825	I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.14	**28.13**	4836	I	O	M	1032	1037
1120-21-4	Undecane	P	29.86	29.81	**29.95**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	32.41	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**1307228**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					1307228		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					1307228		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081026-GCK		
Hexane Std Area:	364783		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	48.06	24.03	29.65	48.06	24.03	29.65	29.65
Propene	42.1	3	5.08	1.69	2.92	5.08	1.69	2.92	2.92
Propane	44.1	3	13.41	4.47	8.08	13.41	4.47	8.08	8.08
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	16.59	4.15	9.54	16.59	4.15	9.54	9.54
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	411.15	82.23	242.98	411.15	82.23	242.98	242.98
t-2-Pentene	70.1	5	320.99	64.20	184.44	320.99	64.20	184.44	184.44
c-2-Pentene	70.1	5	718.12	143.62	412.63	718.12	143.62	412.63	412.63
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	6.83	1.14	3.93	6.83	1.14	3.93	3.93
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	2.26	0.32	1.30	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	5.42	0.77	2.92	5.42	0.77	2.92	2.92
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	4.50	0.56	2.63	4.50	0.56	2.63	2.63
Ethylbenzene	106.2	8	1.83	0.23	0.99	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	30.45	3.81	16.25	30.45	3.81	16.25	16.25
o-xylene	106.2	8	21.45	2.68	11.67	21.45	2.68	11.67	11.67
n-Nonane	128.3	9	5.10	0.57	2.98	5.10	0.57	2.98	2.98
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	120.2	9	16.33	1.81	8.94	16.33	1.81	8.94	8.94
4-Ethyltoluene	120.2	9	6.65	0.74	3.64	6.65	0.74	3.64	3.64
1,3,5-Trimethylbenzene	120.2	9	3.48	0.39	1.90	ND	ND	ND	0
2-Ethyltoluene	120.2	9	3.79	0.42	2.07	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	9.23	1.03	5.05	9.23	1.03	5.05	5.05
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	3.37	0.37	1.84	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	6.15	0.62	3.38	6.15	0.62	3.38	3.38
1,4-Diethylbenzene	134.2	10	6.16	0.62	3.39	6.16	0.62	3.39	3.39
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	1666.40	277.7	981.2	1,666.40	277.73	981.18	981.18
Total Non-Methane Hydrocarbons-C1	16	1.0	1666.40	1666.4	1092.7	1,666.40	1,666.40	1,092.72	1,092.72

SDG: **226144**
Laboratory Number: **32**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
29.65	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
2.92	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
8.08	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
9.54	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
242.98	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0		=		Y
184.44	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
412.63	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
3.93	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
2.92	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
2.63	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
16.25	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0		=	Y
11.67	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
2.98	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
#REF!	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	#REF!	#REF!	Y
8.94	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
3.64	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
5.05	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.38	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
3.39	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
981.18	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
1,092.72	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
48.1						48.06			
					5.1		5.08		
13.4						13.41			
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					16.6		16.59		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
411.1						411.15			
					321.0		320.99		
					718.1		718.12		
	0.0					0.00			
				0.0					0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0					0.00
	0.0					0.00			
		0.0							
				6.8		6.83			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				2.3					2.26
	0.0					0.00			
		5.4							
	0.0					0.00			
	0.0					0.00			
4.5						4.50			
		1.8							

		0.0								
		30.4								
		21.5								
5.1							5.10			
		0.0								
		#REF!								
		16.3								
		6.6								
		3.5								
		3.8								
		9.2								
0.0							0.00			
		3.4								
		6.2								
		6.2								
0.0							0.00			
0.0							0.00			
482.2	0.0	#REF!	9.1	1060.8	0.0	489.1	1060.8	0.0	2.3	

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

5.42

1.83

0.00
30.45
21.45

0.00
#REF!
16.33
6.65
3.48
3.79
9.23

3.37
6.15
6.16

0.0	0.0	0.0	0.0	#REF!	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		32	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6\ Carbons}{(Avg\ RFn)} \frac{Ansamp}{SV} \frac{CDF}{Cn} 1000$ = **Cn**

3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.02E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.02E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.02E+04	37705	48.1	24.03	29.65
Propene	3	TRG	42.1	2.02E+04	3987	5.1	1.69	2.92
Propane	3	TRG	44.1	2.02E+04	10518	13.4	4.47	8.08
i-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.02E+04	13015	16.6	4.15	9.54
c-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.02E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.02E+04	322527	411.1	82.23	242.98
t-2-Pentene	5	TRG	70.1	2.02E+04	251802	321.0	64.20	184.44
c-2-Pentene	5	TRG	70.1	2.02E+04	563340	718.1	143.62	412.63
2,2-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.02E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.02E+04	5358	6.8	1.14	3.93
2-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.02E+04	1775	2.3	0.32	1.30
2,3,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.02E+04	4253	5.4	0.77	2.92
2-Methylheptane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.02E+04	3530	4.5	0.56	2.63
Ethylbenzene	8	TRG	106.2	2.02E+04	1434	1.8	0.23	0.99

m,p-xylene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.02E+04	23884	30.4	3.81	16.25
o-xylene	8	TRG	106.2	2.02E+04	16828	21.5	2.68	11.67
n-Nonane	9	TRG	128.3	2.02E+04	4003	5.1	0.57	2.98
i-Propylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.02E+04	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	9	TRG	120.2	2.02E+04	12811	16.3	1.81	8.94
4-Ethyltoluene	9	TRG	120.2	2.02E+04	5214	6.6	0.74	3.64
1,3,5-Trimethylbenzene	9	TRG	120.2	2.02E+04	2726	3.5	0.39	1.90
2-Ethyltoluene	9	TRG	120.2	2.02E+04	2972	3.8	0.42	2.07
1,2,4-Trimethylbenzene	9	TRG	120.2	2.02E+04	7243	9.2	1.03	5.05
n-Decane	10	TRG	142.3	2.02E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.02E+04	2642	3.4	0.37	1.84
1,3-Diethylbenzene	10	TRG	134.2	2.02E+04	4825	6.2	0.62	3.38
1,4-Diethylbenzene	10	TRG	134.2	2.02E+04	4836	6.2	0.62	3.39
Undecane	11	TRG	156.3	2.02E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.02E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.02E+04	1307228	1666.4	277.73	981.18
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.02E+04	1307228	1666.4	1666.40	1092.72

Sample Data Packages

SDG Number **226144**

Lab Id Number **33**

Client ID T-305

Analytical Method TO-12

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Analytical Report
Quantitation Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 33

File Name: 2614433A
Description: T-305
Canister: 741
QC_Batch: 081026-GCK

Date Sampled: 07/22/26 **Time:** 9:58
Date Analyzed: 08/10/2026 **Time:** 20:17
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.40	2.30	6.91	2.77	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.55	2.41	7.23	4.60	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.33	2.30	6.90	3.05	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.28	2.30	6.90	2.95	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	96.02	2.37	7.10	284.13	
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	2.87	2.36	7.07	10.12	
96-14-0	3-Methylpentane	0.67	2.00	5.89	2.36	7.07	20.81	
110-54-3	n-Hexane	0.67	2.00	28.32	2.36	7.07	100.05	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	6.18	2.35	7.04	25.38	
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	131.45	26.50	79.49	464.38	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	788.69	29.51	88.52	517.18	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 33
File Name: 2614433A B
Sample ID: T-305
Sampled: 7/22/2026
Received: 07/24/26
Analyzed: 08/10/2026
QCBatch: 081026-GCK
Can: 741
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 9:58 Matrix AA
Time: 16:10 Chem TRG
Time: 20:17 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 364783
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win	C2-C4	C5-C12
RT	0.3	0.1
RTI	3	3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.00	**4.08**	3770	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.04			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.11**	3123	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.13**		I	I	H	288	290
74-98-6	Propane	P	5.20	**5.20**	**5.27**	5991	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.67**						128	351
106-98-9	1-Butene	P	7.29	7.36	**7.25**	4166	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74	**8.68**	4030	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.62	**9.71**		I	I	H	434	431
78-78-4	i-Pentane	P	11.37	11.33	**11.32**	376627	I	I	H	473	473
109-67-1	1-Pentene	P	12.30	12.26	**12.34**		I	I	H	497	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75	**12.71**		I	I	H	507	510
627-20-3	c-2-Pentene	P	13.08	13.04						161	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73	**13.65**		I	O	M	533	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.86**	1254	I	I	H	566	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						161	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.02**	13485	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.51**	27723	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.11**	133296	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.80	**16.86**		I	I	H	623	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.99	**17.00**	33937	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.81**	**17.84**	1834	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.11	**18.10**	1265	I	I	H	661	658
591-76-4	2-Methylhexane	P	18.38	18.35	**18.35**		I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.42	**18.43**		I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.63						104	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.06						104	690
142-82-5	n-Heptane	P	19.41	19.38	**19.37**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.06	**20.02**		I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.90	**20.97**		I	O	M	758	753
108-88-3	Toluene	P	21.12	**21.09**	**21.03**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.24	**21.39**		O	O	L	773	768
589-81-1	3-Methylheptane	p	21.55	21.46	**21.48**		I	I	H	777	775
111-65-9	n-Octane	P	22.27	22.18	**22.12**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.66	**23.64**		I	I	H	856	855
108-38-3	m,p-xylene	P	23.95	23.86	**23.96**		I	O	M	867	863
100-42-5	Styrene	P	24.40	24.31	**24.30**		I	I	H	880	881
95-47-6	o-xylene	P	24.57	24.48	**24.43**		I	I	H	884	886
111-84-2	n-Nonane	P	24.87	24.78	**24.85**	1042	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.27	**25.30**		I	I	H	919	919
103-65-1	n-propylbenzene	P	25.93	25.84	**25.87**		I	O	M	943	947
620-14-4	3-Ethyltoluene	P	26.17	26.08	**26.01**		I	O	M	949	957
622-96-8	4-Ethyltoluene	P	26.26	26.17	**26.22**		I	I	H	958	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.36	**26.40**		I	I	H	965	964
611-14-3	2-Ethyltoluene	P	26.61	26.52	**26.49**		I	O	M	969	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	26.99	**26.91**	2823	I	O	M	987	991
124-18-5	n-Decane	P	27.26	27.17	**27.23**	2002	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.46	**27.55**		I	I	H	1012	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.01	**28.02**	1466	I	I	H	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.14	**28.14**	864	I	O	M	1033	1037
1120-21-4	Undecane	P	29.86	29.81	**29.95**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	32.41	**32.46**		I	I	H	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:	618698	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	618698	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	618698	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081026-GCK		
Hexane Std Area:	364783		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	4.81	2.40	2.77	4.81	2.40	2.77	2.77
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	3.98	1.99	2.46	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	7.64	2.55	4.60	7.64	2.55	4.60	4.60
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	5.31	1.33	3.05	5.31	1.33	3.05	3.05
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	5.14	1.28	2.95	5.14	1.28	2.95	2.95
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	480.11	96.02	284.13	480.11	96.02	284.13	284.13
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	1.60	0.32	0.92	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	17.19	2.87	10.12	17.19	2.87	10.12	10.12
3-Methylpentane	86.2	6	35.34	5.89	20.81	35.34	5.89	20.81	20.81
n-Hexane	86.2	6	169.92	**28.32**	100.05	169.92	28.32	100.05	100.05
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	43.26	6.18	25.38	43.26	6.18	25.38	25.38
Benzene	78.1	6	2.34	0.39	1.25	ND	ND	ND	0
Cyclohexane	84.2	6	1.61	0.27	0.93	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	1.33	0.15	0.78	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	3.60	0.40	1.97	ND	ND	ND	0
n-Decane	142.3	10	2.55	0.26	1.49	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	1.87	0.19	1.03	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	1.10	0.11	0.61	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	788.69	131.4	464.4	788.69	131.45	464.38	464.38
Total Non-Methane Hydrocarbons-C1	16	1.0	788.69	788.7	517.2	788.69	788.69	517.18	517.18

SDG: **226144**
Laboratory Number: **33**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
2.77	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	J	=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
4.60	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
3.05	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.95	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
284.13	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
10.12	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
20.81	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
100.05	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
25.38	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
464.38	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
517.18	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					4.8		4.81		
					0.0			0.00	
4.0						3.98			
					0.0		0.00		
7.6						7.64			
	0.0					0.00			
					5.3		5.31		
0.0						0.00			
					5.1		5.14		
					0.0		0.00		
	480.1					480.11			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
				1.6					1.60
	0.0					0.00			
	17.2					17.19			
	35.3					35.34			
169.9						169.92			
				0.0					0.00
	43.3					43.26			
		2.3							
				1.6		1.61			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0		0.00			
	0.0								0.00
		0.0				0.00			
	0.0								
	0.0					0.00			
0.0						0.00			
		0.0				0.00			

		0.0							
		0.0							
		0.0							
1.3						1.33			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		3.6							
2.6						2.55			
		0.0							
		1.9							
		1.1							
0.0						0.00			
0.0						0.00			
185.4	575.9	8.9	3.2	15.3	0.0	762.9	15.3	0.0	1.6

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

2.34

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
3.60

0.00
1.87
1.10

0.0	0.0	0.0	0.0	8.9	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		33	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum | (Astdni) / (Cstdni) | i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

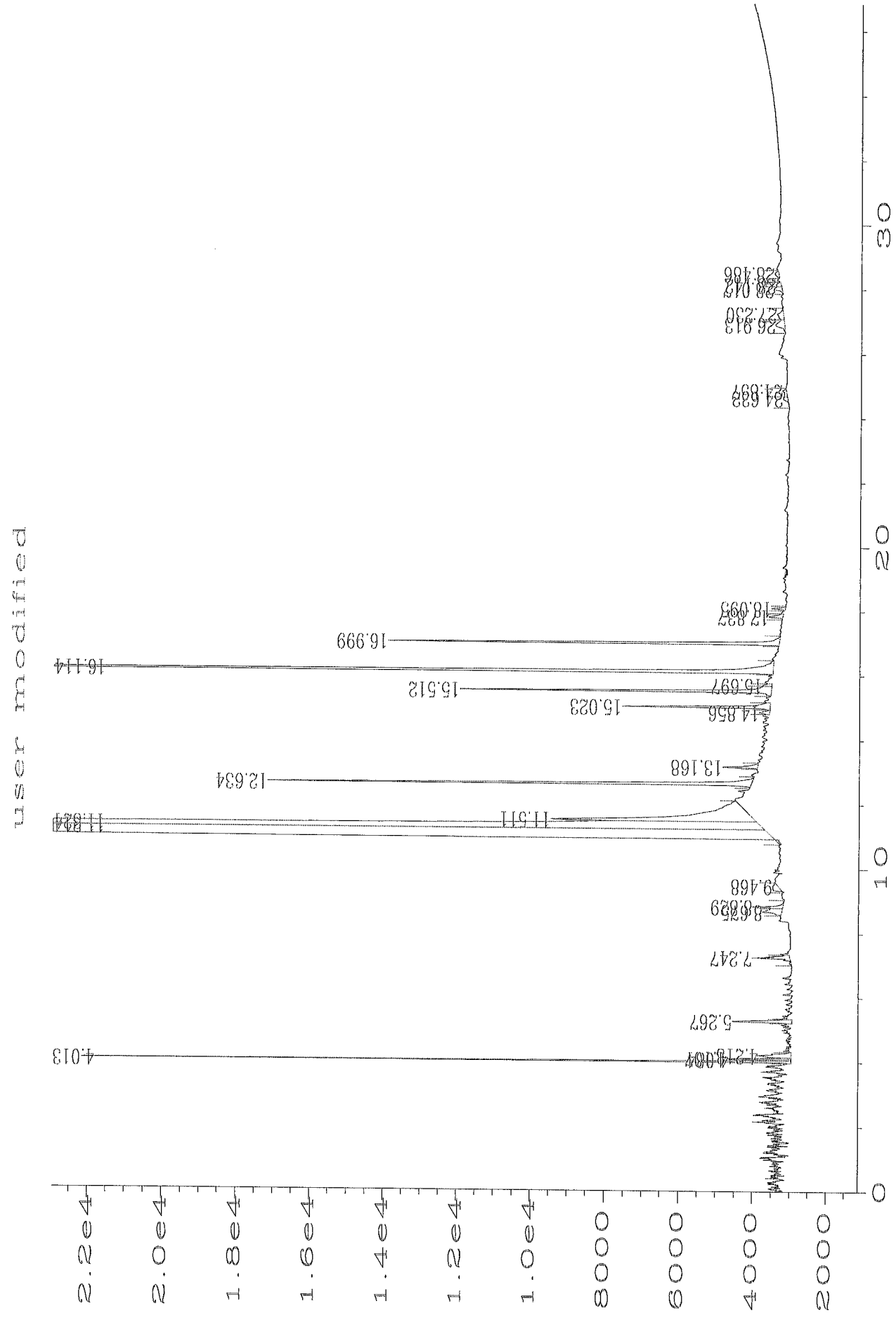
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.02E+04	3770	4.8	2.40	2.77
Acetylene	2	TRG	26.0	2.02E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.02E+04	3123	4.0	1.99	2.46
Propene	3	TRG	42.1	2.02E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	2.02E+04	5991	7.6	2.55	4.60
i-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.02E+04	4166	5.3	1.33	3.05
n-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.02E+04	4030	5.1	1.28	2.95
c-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.02E+04	376627	480.1	96.02	284.13
1-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.02E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.02E+04	1254	1.6	0.32	0.92
2,3-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.02E+04	13485	17.2	2.87	10.12
3-Methylpentane	6	TRG	86.2	2.02E+04	27723	35.3	5.89	20.81
n-Hexane	6	TRG	86.2	2.02E+04	133296	169.9	28.32	100.05
Methylcyclopentane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.02E+04	33937	43.3	6.18	25.38
Benzene	6	TRG	78.1	2.02E+04	1834	2.3	0.39	1.25
Cyclohexane	6	TRG	84.2	2.02E+04	1265	1.6	0.27	0.93
2-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.02E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.02E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.02E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.02E+04	1042	1.3	0.15	0.78
i-Propylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.02E+04	2823	3.6	0.40	1.97
n-Decane	10	TRG	142.3	2.02E+04	2002	2.6	0.26	1.49
1,2,3-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.02E+04	1466	1.9	0.19	1.03
1,4-Diethylbenzene	10	TRG	134.2	2.02E+04	864	1.1	0.11	0.61
Undecane	11	TRG	156.3	2.02E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.02E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.02E+04	618698	788.7	131.45	464.38
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.02E+04	618698	788.7	788.69	517.18

C:\GCCHEM\1\DATA\GCK\08106K\2614433A.D



Sample Data Packages

SDG Number **226144**

Lab Id Number **34**

Client ID T-306

Analytical Method TO-12

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 34

File Name: 2614434A
Description: T-306
Canister: 708
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 08/11/2026 **Time:** 12:32
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	28.26	2.47	7.40	34.86	
115-07-1	Propene	1.33	4.00	2.41	2.30	6.90	4.17	J
74-98-6	Propane	1.33	4.00	13.53	2.41	7.23	24.46	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	3.50	2.30	6.90	8.06	
106-97-8	n-Butane	1.00	3.00	8.67	2.38	7.14	20.64	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	0.96	2.37	7.10	2.85	J
109-67-1	1-Pentene	0.80	2.40	0.82	2.30	6.90	2.35	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.55	2.36	7.07	16.06	
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	0.78	2.13	6.40	2.51	J
110-82-7	Cyclohexane	0.67	2.00	1.65	2.30	6.90	5.71	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	4.10	2.35	7.04	16.85	
589-34-4	3-Methylhexane	0.57	1.71	1.84	2.35	7.04	7.56	
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	1.33	2.34	7.02	6.24	J
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	1.53	2.34	7.02	7.15	
589-81-1	3-Methylheptane	0.50	1.50	4.41	2.34	7.02	20.66	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.64	2.18	6.53	2.80	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	0.70	2.18	6.53	3.05	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	1.36	2.19	6.57	6.68	
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	1.81	2.19	6.57	8.94	
622-96-8	4-Ethyltoluene	0.44	1.33	0.86	2.19	6.57	4.24	J
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	1.15	2.19	6.57	5.68	J
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.23	2.19	6.57	6.05	J
124-18-5	n-Decane	0.40	1.20	2.29	2.33	7.00	13.38	
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	0.99	2.19	6.57	4.88	J
141-93-5	1,3-Diethylbenzene	0.40	1.20	2.53	2.20	6.60	13.89	
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	75.72	26.50	79.49	267.50	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	454.31	29.51	88.52	297.91	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 34
File Name: 2614434A B
Sample ID: T-306
Sampled: 7/22/2026
Received: 07/24/26
Analyzed: 08/11/2026
QCBatch: 081126-GCK
Can: 708
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 10:01 Matrix AA
Time: 16:10 Chem TRG
Time: 12:32 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 276092
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.96	**3.94**	2727	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.00			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.07**	44333	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.07**	5682	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.17**	31847	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.57**						134	351
106-98-9	1-Butene	P	7.29	7.26	**7.31**	10996	I	I	H	369	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.28**	27196	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.69						201	410
590-18-1	c-2-Butene	P	9.63	9.57						201	431
78-78-4	i-Pentane	P	11.37	11.33	**11.37**	3783	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.26	**12.28**	3207	I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**	2884	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75						164	510
627-20-3	c-2-Pentene	P	13.08	13.04						164	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73						164	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.76**	1490	I	O	M	563	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						164	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.05**	1809	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.46**	21403	I	I	H	582	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.14**	963	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83						99	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02						99	626
71-43-2	Benzene	P	17.87	**17.84**	**17.83**	3687	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.10	**18.18**	7784	I	O	M	663	658
591-76-4	2-Methylhexane	P	18.38	18.34						99	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.41	**18.42**	22528	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.62	**18.70**	10108	I	I	H	679	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.05	**18.99**	8363	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.37	**19.36**	2200	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.05						18	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.89	**20.83**	1774	I	I	H	752	753
108-88-3	Toluene	P	21.12	**21.08**	**21.05**	2760	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.26	**21.33**	9589	I	I	H	769	768
589-81-1	3-Methylheptane	p	21.55	21.48	**21.41**	27700	I	I	H	772	775
111-65-9	n-Octane	P	22.27	22.20	**22.20**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.68	**23.77**	3063	I	O	M	860	855
108-38-3	m,p-xylene	P	23.95	23.88	**23.95**	4040	I	O	M	867	863
100-42-5	Styrene	P	24.40	24.33						-54	881
95-47-6	o-xylene	P	24.57	24.50	**24.54**	4404	I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.80	**24.80**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.29	**25.26**	9567	I	I	H	918	919
103-65-1	n-propylbenzene	P	25.93	25.86	**25.85**	12806	I	O	M	942	947
620-14-4	3-Ethyltoluene	P	26.17	26.10	**26.07**		I	O	M	951	957
622-96-8	4-Ethyltoluene	P	26.26	26.19	**26.26**	6082	I	I	H	958	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.38	**26.34**	8140	I	I	H	962	964
611-14-3	2-Ethyltoluene	P	26.61	26.54	**26.58**		I	O	M	971	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.01	**27.07**	8668	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.19	**27.29**	18001	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.48	**27.54**	6992	I	O	M	1010	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.03	**28.01**	19811	I	O	M	1028	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.16						-62	1037
1120-21-4	Undecane	P	29.86	29.75	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	32.35	**32.46**		O	I	M	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:	356387	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	356387	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	356387	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081126-GCK		
Hexane Std Area:	276092		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	3.48	1.74	2.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	56.51	28.26	34.86	56.51	28.26	34.86	34.86
Propene	42.1	3	7.24	2.41	4.17	7.24	2.41	4.17	4.17
Propane	44.1	3	40.60	13.53	24.46	40.60	13.53	24.46	24.46
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	14.02	3.50	8.06	14.02	3.50	8.06	8.06
n-Butane	58.1	4	34.67	8.67	20.64	34.67	8.67	20.64	20.64
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	4.82	0.96	2.85	4.82	0.96	2.85	2.85
1-Pentene	70.1	5	4.09	0.82	2.35	4.09	0.82	2.35	2.35
n-Pentane	72.1	5	3.68	0.74	2.17	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	1.90	0.38	1.09	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	2.31	0.38	1.36	ND	ND	ND	0
3-Methylpentane	86.2	6	27.28	4.55	16.06	27.28	4.55	16.06	16.06
n-Hexane	86.2	6	1.23	**0.20**	0.72	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	4.70	0.78	2.51	4.70	0.78	2.51	2.51
Cyclohexane	84.2	6	9.92	1.65	5.71	9.92	1.65	5.71	5.71
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	28.72	4.10	16.85	28.72	4.10	16.85	16.85
3-Methylhexane	100.2	7	12.89	1.84	7.56	12.89	1.84	7.56	7.56
2,2,4-Trimethylpentane	114.2	8	10.66	1.33	6.24	10.66	1.33	6.24	6.24
n-Heptane	100.2	7	2.80	0.40	1.65	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	2.26	0.28	1.32	ND	ND	ND	0
Toluene	92.1	7	3.52	0.50	1.90	ND	ND	ND	0
2-Methylheptane	114.2	8	12.22	1.53	7.15	12.22	1.53	7.15	7.15
3-Methylheptane	114.2	8	35.31	4.41	20.66	35.31	4.41	20.66	20.66
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	3.90	0.49	2.12	ND	ND	ND	0

m,p-xylene	106.2	8	5.15	0.64	2.80	5.15	0.64	2.80	2.80
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	5.61	0.70	3.05	5.61	0.70	3.05	3.05
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	12.20	1.36	6.68	12.20	1.36	6.68	6.68
n-propylbenzene	120.2	9	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	120.2	9	16.32	1.81	8.94	16.32	1.81	8.94	8.94
4-Ethyltoluene	120.2	9	7.75	0.86	4.24	7.75	0.86	4.24	4.24
1,3,5-Trimethylbenzene	120.2	9	10.38	1.15	5.68	10.38	1.15	5.68	5.68
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	11.05	1.23	6.05	11.05	1.23	6.05	6.05
n-Decane	142.3	10	22.95	2.29	13.38	22.95	2.29	13.38	13.38
1,2,3-Trimethylbenzene	120.2	9	8.91	0.99	4.88	8.91	0.99	4.88	4.88
1,3-Diethylbenzene	134.2	10	25.25	2.53	13.89	25.25	2.53	13.89	13.89
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	454.31	75.7	267.5	454.31	75.72	267.50	267.50
Total Non-Methane Hydrocarbons-C1	16	1.0	454.31	454.3	297.9	454.31	454.31	297.91	297.91

SDG: **226144**
Laboratory Number: **34**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
34.86	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
4.17	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
24.46	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
8.06	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
20.64	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
2.85	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	J	=		Y
2.35	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
16.06	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
2.51	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	J	=		Y
5.71	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
16.85	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
7.56	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
6.24	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
7.15	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
20.66	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

2.80	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
3.05	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
6.68	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
#REF!	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	#REF!	#REF!	Y
8.94	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
4.24	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
5.68	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
6.05	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
13.38	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0		=	Y
4.88	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
13.89	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0		=	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
267.50	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
297.91	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					3.5		3.48		
					0.0			0.00	
56.5						56.51			
					7.2		7.24		
40.6						40.60			
	0.0					0.00			
					14.0		14.02		
34.7						34.67			
					0.0		0.00		
					0.0		0.00		
	4.8					4.82			
					4.1		4.09		
3.7						3.68			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
				1.9					1.90
	0.0					0.00			
	2.3					2.31			
	27.3					27.28			
1.2						1.23			
				0.0					0.00
	0.0					0.00			
			4.7						
				9.9		9.92			
	0.0					0.00			
	28.7					28.72			
	12.9					12.89			
	10.7					10.66			
2.8						2.80			
				0.0					0.00
	2.3					2.26			
			3.5						
	12.2					12.22			
	35.3					35.31			
0.0						0.00			
			3.9						

		5.2								
		0.0								
		5.6								
0.0							0.00			
		12.2								
		#REF!								
		16.3								
		7.8								
		10.4								
		0.0								
		11.0								
22.9							22.95			
		8.9								
		25.3								
		0.0								
0.0							0.00			
0.0							0.00			
162.4	136.5	#REF!	11.8	28.8	0.0	308.8	28.8	0.0	1.9	

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

4.70

3.52

3.90

5.15
0.00
5.61

12.20
#REF!
16.32
7.75
10.38
0.00
11.05

8.91
25.25
0.00

0.0	0.0	0.0	0.0	#REF!	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		34	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i}{}$

2) ppbC = $\frac{\text{6 Carbons} \quad \text{Ansamp} \quad \text{CDF} \quad 1000}{\text{(Avg RFn)} \quad \text{SV}}$ = **Cn**

3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \quad \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.53E+04	2727	3.5	1.74	2.00
Acetylene	2	TRG	26.0	1.53E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.53E+04	44333	56.5	28.26	34.86
Propene	3	TRG	42.1	1.53E+04	5682	7.2	2.41	4.17
Propane	3	TRG	44.1	1.53E+04	31847	40.6	13.53	24.46
i-Butane	4	TRG	58.1	1.53E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.53E+04	10996	14.0	3.50	8.06
n-Butane	4	TRG	58.1	1.53E+04	27196	34.7	8.67	20.64
t-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.53E+04	3783	4.8	0.96	2.85
1-Pentene	5	TRG	70.1	1.53E+04	3207	4.1	0.82	2.35
n-Pentane	5	TRG	72.1	1.53E+04	2884	3.7	0.74	2.17
t-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.53E+04	1490	1.9	0.38	1.09
2,3-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.53E+04	1809	2.3	0.38	1.36
3-Methylpentane	6	TRG	86.2	1.53E+04	21403	27.3	4.55	16.06
n-Hexane	6	TRG	86.2	1.53E+04	963	1.2	0.20	0.72
Methylcyclopentane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.53E+04	3687	4.7	0.78	2.51
Cyclohexane	6	TRG	84.2	1.53E+04	7784	9.9	1.65	5.71
2-Methylhexane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.53E+04	22528	28.7	4.10	16.85
3-Methylhexane	7	TRG	100.2	1.53E+04	10108	12.9	1.84	7.56
2,2,4-Trimethylpentane	8	TRG	114.2	1.53E+04	8363	10.7	1.33	6.24
n-Heptane	7	TRG	100.2	1.53E+04	2200	2.8	0.40	1.65
Methylcyclohexane	7	TRG	98.2	1.53E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.53E+04	1774	2.3	0.28	1.32
Toluene	7	TRG	92.1	1.53E+04	2760	3.5	0.50	1.90
2-Methylheptane	8	TRG	114.2	1.53E+04	9589	12.2	1.53	7.15
3-Methylheptane	8	TRG	114.2	1.53E+04	27700	35.3	4.41	20.66
n-Octane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.53E+04	3063	3.9	0.49	2.12

m,p-xylene	8	TRG	106.2	1.53E+04	4040	5.2	0.64	2.80
Styrene	8	TRG	104.2	1.53E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.53E+04	4404	5.6	0.70	3.05
n-Nonane	9	TRG	128.3	1.53E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.53E+04	9567	12.2	1.36	6.68
n-propylbenzene	9	TRG	120.2	1.53E+04	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	9	TRG	120.2	1.53E+04	12806	16.3	1.81	8.94
4-Ethyltoluene	9	TRG	120.2	1.53E+04	6082	7.8	0.86	4.24
1,3,5-Trimethylbenzene	9	TRG	120.2	1.53E+04	8140	10.4	1.15	5.68
2-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.53E+04	8668	11.0	1.23	6.05
n-Decane	10	TRG	142.3	1.53E+04	18001	22.9	2.29	13.38
1,2,3-Trimethylbenzene	9	TRG	120.2	1.53E+04	6992	8.9	0.99	4.88
1,3-Diethylbenzene	10	TRG	134.2	1.53E+04	19811	25.3	2.53	13.89
1,4-Diethylbenzene	10	TRG	134.2	1.53E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.53E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.53E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.53E+04	356387	454.3	75.72	267.50
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.53E+04	356387	454.3	454.31	297.91

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Sample Data Packages

SDG Number **226144**

Lab Id Number **35**

Client ID T-307

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Canister: 698
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 08/11/2026 **Time:** 13:20
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	13.49	2.47	7.40	16.64	
115-07-1	Propene	1.33	4.00	2.13	2.30	6.90	3.67	J
74-98-6	Propane	1.33	4.00	23.06	2.41	7.23	41.68	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.18	2.38	7.14	5.20	J
624-64-6	t-2-Butene	1.00	3.00	1.15	2.30	6.90	2.63	J
590-18-1	c-2-Butene	1.00	3.00	1.06	2.30	6.90	2.45	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	2.38	2.30	6.90	6.83	J
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	24.16	26.50	79.49	85.35	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	144.96	29.51	88.52	95.05	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **35**
File Name: **2614435A**
Sample ID: **T-307**
Sampled: **7/22/2026**
Received: **07/24/26**
Analyzed: **08/11/2026**
QCBatch: **081126-GCK**
Can: **698**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

B

Method: **TO-14FID** TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:01** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **13:20** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **276092**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win	C2-C	C5-C12
RT	**0.3**	**0.1**
RTI	**3**	**3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.02**	2204	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**	21158	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.10**	5001	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**	54270	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						130	351
106-98-9	1-Butene	P	7.29	7.29	**7.31**	2676	I	I	H	369	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.25**	6848	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.66	**8.70**	3595	I	I	H	411	410
590-18-1	c-2-Butene	P	9.63	9.54	**9.53**	3338	I	I	H	431	431
78-78-4	i-Pentane	P	11.37	11.33	**11.33**		I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.26	**12.21**	9324	I	I	H	494	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75						164	510
627-20-3	c-2-Pentene	P	13.08	13.04						164	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73						164	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.76**		I	O	M	563	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						164	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.05**		I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.46**		I	I	H	582	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.14**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83						99	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02	**17.08**	930	I	O	M	629	626
71-43-2	Benzene	P	17.87	**17.84**	**17.84**	1685	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.11	**18.18**		I	O	M	663	658
591-76-4	2-Methylhexane	P	18.38	18.35						99	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.42	**18.42**		I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.63						99	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.06	**18.99**		I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.38	**19.36**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.06						18	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.90	**20.83**		I	I	H	752	753
108-88-3	Toluene	P	21.12	**21.09**	**21.05**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.26	**21.33**		I	I	H	769	768
589-81-1	3-Methylheptane	p	21.55	21.48	**21.40**	1251	I	O	M	772	775
111-65-9	n-Octane	P	22.27	22.20	**22.20**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.68	**23.77**		I	O	M	860	855
108-38-3	m,p-xylene	P	23.95	23.88	**23.95**		I	O	M	867	863
100-42-5	Styrene	P	24.40	24.33						-54	881
95-47-6	o-xylene	P	24.57	24.50	**24.55**	1433	I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.80	**24.80**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.29	**25.26**		I	I	H	918	919
103-65-1	n-propylbenzene	P	25.93	25.86	**25.85**		I	O	M	942	947
620-14-4	3-Ethyltoluene	P	26.17	26.10	**26.07**		I	O	M	951	957
622-96-8	4-Ethyltoluene	P	26.26	26.19	**26.26**		I	I	H	958	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.38	**26.34**		I	I	H	962	964
611-14-3	2-Ethyltoluene	P	26.61	26.54	**26.58**		I	O	M	971	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.01	**27.07**		I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.19	**27.29**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.48	**27.54**		I	O	M	1010	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.03	**28.01**		I	O	M	1028	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.16						-62	1037
1120-21-4	Undecane	P	29.86	29.75	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	32.35	**32.46**		O	I	M	1200	1200

Abbreviation	**Total Petroleum Hydrocarbons:**	**113713**	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	113713	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	113713	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081126-GCK		
Hexane Std Area:	276092		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.81	1.40	1.62	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	26.97	13.49	16.64	26.97	13.49	16.64	16.64
Propene	42.1	3	6.38	2.13	3.67	6.38	2.13	3.67	3.67
Propane	44.1	3	69.18	23.06	41.68	69.18	23.06	41.68	41.68
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	3.41	0.85	1.96	ND	ND	ND	0
n-Butane	58.1	4	8.73	2.18	5.20	8.73	2.18	5.20	5.20
t-2-Butene	56.1	4	4.58	1.15	2.63	4.58	1.15	2.63	2.63
c-2-Butene	56.1	4	4.26	1.06	2.45	4.26	1.06	2.45	2.45
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	11.89	2.38	6.83	11.89	2.38	6.83	6.83
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	1.19	0.17	0.70	ND	ND	ND	0
Benzene	78.1	6	2.15	0.36	1.15	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	1.59	0.20	0.93	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	1.83	0.23	0.99	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	144.96	24.2	85.4	144.96	24.16	85.35	85.35
Total Non-Methane Hydrocarbons-C1	16	1.0	144.96	145.0	95.1	144.96	144.96	95.05	95.05

SDG: **226144**
Laboratory Number: **35**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
16.64	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
3.67	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
41.68	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
5.20	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
2.63	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
2.45	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
6.83	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
85.35	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
95.05	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.8		2.81		
					0.0			0.00	
27.0						26.97			
					6.4		6.38		
69.2						69.18			
	0.0					0.00			
					3.4		3.41		
8.7						8.73			
					4.6		4.58		
					4.3		4.26		
	0.0					0.00			
					11.9		11.89		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0					
	1.2					1.19			0.00
		2.1							
				0.0		0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0		0.00			
	0.0								0.00
		0.0				0.00			
	0.0								
	1.6					0.00			
0.0						1.59			
		0.0				0.00			

0.0		0.0							
		0.0							
		1.8							
0.0									
							0.00		
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0									
							0.00		
		0.0							
		0.0							
		0.0							
0.0									
							0.00		
0.0							0.00		
104.9	2.8	4.0	0.0	33.3	0.0	107.7	33.3	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

2.15

0.00

0.00

0.00
0.00
1.83

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	4.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		35	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

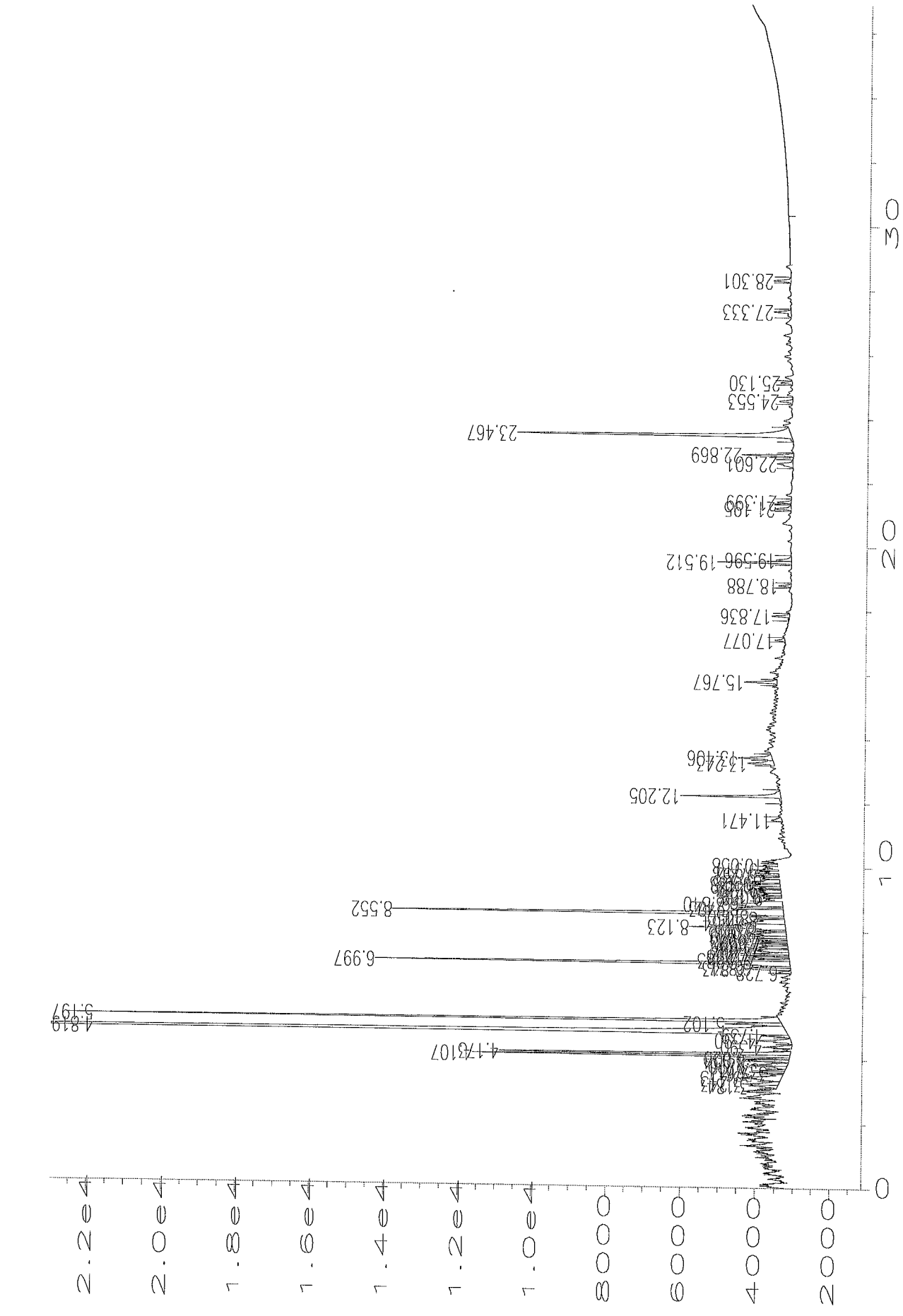
2) ppbC = $\frac{6 \text{ Carbons}}{(\text{Avg RFn})} \cdot \frac{\text{Ansamp}}{\text{SV}} \cdot \text{CDF} \cdot 1000 = \textbf{Cn}$

3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = (amt(ppbv) $\frac{\text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.53E+04	2204	2.8	1.40	1.62
Acetylene	2	TRG	26.0	1.53E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.53E+04	21158	27.0	13.49	16.64
Propene	3	TRG	42.1	1.53E+04	5001	6.4	2.13	3.67
Propane	3	TRG	44.1	1.53E+04	54270	69.2	23.06	41.68
i-Butane	4	TRG	58.1	1.53E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.53E+04	2676	3.4	0.85	1.96
n-Butane	4	TRG	58.1	1.53E+04	6848	8.7	2.18	5.20
t-2-Butene	4	TRG	56.1	1.53E+04	3595	4.6	1.15	2.63
c-2-Butene	4	TRG	56.1	1.53E+04	3338	4.3	1.06	2.45
i-Pentane	5	TRG	72.2	1.53E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.53E+04	9324	11.9	2.38	6.83
n-Pentane	5	TRG	72.1	1.53E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.53E+04	930	1.2	0.17	0.70
Benzene	6	TRG	78.1	1.53E+04	1685	2.1	0.36	1.15
Cyclohexane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.53E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.53E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.53E+04	1251	1.6	0.20	0.93
n-Octane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.53E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.53E+04	1433	1.8	0.23	0.99
n-Nonane	9	TRG	128.3	1.53E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.53E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.53E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.53E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.53E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.53E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.53E+04	113713	145.0	24.16	85.35
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.53E+04	113713	145.0	144.96	95.05


C:\HPCHEM\1\DATA\081116K\26144435A.D
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17.077
15.767
13.406
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11.471
8.552
8.123
6.997
5.197
4.819
4.173
5.102
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2.0e+4
1.8e+4
1.6e+4
1.4e+4
1.2e+4
1.0e+4
8000
6000
4000
2000
0
10
20
30

Sample Data Packages

SDG Number **226144**

Lab Id Number **36**

Client ID T-308

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 36

File Name: 2614436A
Description: T-308
Canister: 608
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 9:59
Date Analyzed: 08/11/2026 **Time:** 14:12
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	139.56	2.30	6.90	240.79	
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	53.36	2.38	7.14	127.06	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	15.04	2.30	6.90	34.58	
78-78-4	i-Pentane	0.80	2.40	51.07	2.37	7.10	151.12	
109-67-1	1-Pentene	0.80	2.40	4.67	2.30	6.90	13.41	
109-66-0	n-Pentane	0.80	2.40	18.29	2.36	7.09	54.05	
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	83.49	2.30	6.90	239.87	
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	4.96	2.36	7.07	17.51	
110-54-3	n-Hexane	0.67	2.00	59.51	2.36	7.07	210.24	
96-37-7	Methylcyclopentane	0.67	2.00	51.98	2.30	6.90	179.39	
108-08-7	2,4-Dimethylpentane	0.57	1.71	7.27	2.35	7.04	29.85	
71-43-2	Benzene	0.67	2.00	22.04	2.13	6.40	70.53	
110-82-7	Cyclohexane	0.67	2.00	51.25	2.30	6.90	176.87	
591-76-4	2-Methylhexane	0.57	1.71	16.16	2.35	7.04	66.35	
565-59-3	2,3-Dimethylpentane	0.57	1.71	5.91	2.35	7.04	24.27	
589-34-4	3-Methylhexane	0.57	1.71	0.99	2.35	7.04	4.08	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	74.96	2.35	7.04	307.81	
108-87-2	Methylcyclohexane	0.57	1.71	27.00	2.30	6.90	108.65	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	26.80	2.34	7.02	125.42	
108-88-3	Toluene	0.57	1.71	20.13	2.16	6.47	75.97	
592-27-8	2-Methylheptane	0.50	1.50	17.61	2.34	7.02	82.42	
589-81-1	3-Methylheptane	0.50	1.50	14.02	2.34	7.02	65.62	
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	22.08	2.18	6.53	96.11	

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	28.73	2.18	6.53	125.03	
100-42-5	Styrene	0.50	1.50	19.72	2.14	6.41	84.23	
95-47-6	o-xylene	0.50	1.50	9.32	2.18	6.53	40.58	
111-84-2	n-Nonane	0.44	1.33	3.01	2.34	7.01	15.85	
98-82-8	i-Propylbenzene	0.44	1.33	5.09	2.19	6.57	25.06	
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	5.34	2.19	6.57	26.31	
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	8.48	2.19	6.57	41.80	
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	3.31	2.19	6.57	16.29	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	2.40	2.19	6.57	11.82	
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.63	2.20	6.60	3.46	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	1.83	2.20	6.60	10.04	
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	844.11	26.50	79.49	2,982.08	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	5,064.69	29.51	88.52	3,321.11	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 36
File Name: 2614436A B
Sample ID: T-308
Sampled: 7/22/2026 Time: 9:59
Received: 07/24/26 Time: 16:10
Analyzed: 08/11/2026 Time: 14:12
QCBatch: 081126-GCK
Can: 608
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 276092
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.02**		NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**		I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.10**	328431	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						130	351
106-98-9	1-Butene	P	7.29	7.29	**7.31**		I	I	H	369	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.25**	167444	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.66	**8.70**		I	I	H	411	410
590-18-1	c-2-Butene	P	9.63	9.54	**9.52**	47196	I	I	H	430	431
78-78-4	i-Pentane	P	11.37	11.33	**11.26**	200311	I	I	H	472	473
109-67-1	1-Pentene	P	12.30	12.26	**12.21**	18311	I	I	H	494	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**	71740	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75						162	510
627-20-3	c-2-Pentene	P	13.08	13.04						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73						162	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.74**	327477	I	O	M	563	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02						162	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.05**		I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.53**	23330	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.12**	280104	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.81	**16.86**	244679	I	I	H	622	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.00	**17.02**	39920	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.82**	**17.86**	103719	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.13	**18.17**	241240	I	O	M	661	658
591-76-4	2-Methylhexane	P	18.38	18.37	**18.33**	88718	I	O	M	666	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.44	**18.44**	32452	I	I	H	669	671
589-34-4	3-Methylhexane	P	18.66	18.65	**18.69**	5459	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.08						117	690
142-82-5	n-Heptane	P	19.41	19.40	**19.46**	411596	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.08	**20.01**	148240	I	I	H	720	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.92	**20.87**	168168	I	O	M	750	753
108-88-3	Toluene	P	21.12	**21.11**	**21.14**	110515	I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.35	**21.27**	110515	I	O	M	765	768
589-81-1	3-Methylheptane	p	21.55	21.57	**21.50**	87989	I	I	H	773	775
111-65-9	n-Octane	P	22.27	22.29	**22.26**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.77	**23.78**	138580	I	O	M	860	855
108-38-3	m,p-xylene	P	23.95	23.97	**23.91**	180274	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.42	**24.41**	123780	I	I	H	884	881
95-47-6	o-xylene	P	24.57	24.59	**24.58**	58506	I	O	M	891	886
111-84-2	n-Nonane	P	24.87	24.89	**24.81**	21278	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.38	**25.32**	35914	I	I	H	921	919
103-65-1	n-propylbenzene	P	25.93	25.95						-104	947
620-14-4	3-Ethyltoluene	P	26.17	26.19						-104	957
622-96-8	4-Ethyltoluene	P	26.26	26.28	**26.26**	37712	I	I	H	959	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.47	**26.45**	59900	I	I	H	966	964
611-14-3	2-Ethyltoluene	P	26.61	26.63	**26.58**		I	O	M	972	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.10	**27.17**	23345	I	O	M	996	991
124-18-5	n-Decane	P	27.26	27.28	**27.28**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.57	**27.61**	16940	I	I	H	1013	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.12	**28.14**	4939	I	I	H	1033	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.25	**28.26**	14323	I	I	H	1038	1037
1120-21-4	Undecane	P	29.86	29.86	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.46	**32.46**		I	I	H	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:	3973045	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	3973045	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	3973045	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081126-GCK		
Hexane Std Area:	276092		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	418.67	139.56	240.79	418.67	139.56	240.79	240.79
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	213.45	53.36	127.06	213.45	53.36	127.06	127.06
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	60.16	15.04	34.58	60.16	15.04	34.58	34.58
i-Pentane	72.2	5	255.35	51.07	151.12	255.35	51.07	151.12	151.12
1-Pentene	70.1	5	23.34	4.67	13.41	23.34	4.67	13.41	13.41
n-Pentane	72.1	5	91.45	18.29	54.05	91.45	18.29	54.05	54.05
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	417.46	83.49	239.87	417.46	83.49	239.87	239.87
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	29.74	4.96	17.51	29.74	4.96	17.51	17.51
n-Hexane	86.2	6	357.07	**59.51**	210.24	357.07	59.51	210.24	210.24
Methylcyclopentane	84.2	6	311.91	51.98	179.39	311.91	51.98	179.39	179.39
2,4-Dimethylpentane	100.2	7	50.89	7.27	29.85	50.89	7.27	29.85	29.85
Benzene	78.1	6	132.22	22.04	70.53	132.22	22.04	70.53	70.53
Cyclohexane	84.2	6	307.52	51.25	176.87	307.52	51.25	176.87	176.87
2-Methylhexane	100.2	7	113.09	16.16	66.35	113.09	16.16	66.35	66.35
2,3-Dimethylpentane	100.2	7	41.37	5.91	24.27	41.37	5.91	24.27	24.27
3-Methylhexane	100.2	7	6.96	0.99	4.08	6.96	0.99	4.08	4.08
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	524.69	74.96	307.81	524.69	74.96	307.81	307.81
Methylcyclohexane	98.2	7	188.97	27.00	108.65	188.97	27.00	108.65	108.65
2,3,4-Trimethylpentane	114.2	8	214.37	26.80	125.42	214.37	26.80	125.42	125.42
Toluene	92.1	7	140.88	20.13	75.97	140.88	20.13	75.97	75.97
2-Methylheptane	114.2	8	140.88	17.61	82.42	140.88	17.61	82.42	82.42
3-Methylheptane	114.2	8	112.17	14.02	65.62	112.17	14.02	65.62	65.62
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	176.66	22.08	96.11	176.66	22.08	96.11	96.11

m,p-xylene	106.2	8	229.81	28.73	125.03	229.81	28.73	125.03	125.03
Styrene	104.2	8	157.79	19.72	84.23	157.79	19.72	84.23	84.23
o-xylene	106.2	8	74.58	9.32	40.58	74.58	9.32	40.58	40.58
n-Nonane	128.3	9	27.12	3.01	15.85	27.12	3.01	15.85	15.85
i-Propylbenzene	120.2	9	45.78	5.09	25.06	45.78	5.09	25.06	25.06
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	48.07	5.34	26.31	48.07	5.34	26.31	26.31
1,3,5-Trimethylbenzene	120.2	9	76.36	8.48	41.80	76.36	8.48	41.80	41.80
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	29.76	3.31	16.29	29.76	3.31	16.29	16.29
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	21.59	2.40	11.82	21.59	2.40	11.82	11.82
1,3-Diethylbenzene	134.2	10	6.30	0.63	3.46	6.30	0.63	3.46	3.46
1,4-Diethylbenzene	134.2	10	18.26	1.83	10.04	18.26	1.83	10.04	10.04
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	5064.69	844.1	2982.1	5,064.69	844.11	2,982.08	2,982.08
Total Non-Methane Hydrocarbons-C1	16	1.0	5064.69	5064.7	3321.1	5,064.69	5,064.69	3,321.11	3,321.11

SDG: **226144**
Laboratory Number: **36**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
240.79	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
127.06	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
34.58	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0		=		Y
151.12	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
13.41	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
54.05	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0		=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
239.87	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
17.51	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
210.24	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
179.39	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
29.85	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
70.53	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0		=		Y
176.87	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
66.35	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
24.27	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
4.08	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
307.81	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
108.65	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0		=		Y
125.42	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
75.97	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
82.42	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
65.62	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
96.11	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=		Y

125.03	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
84.23	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0		=	Y
40.58	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
15.85	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0		=	Y
25.06	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
26.31	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
41.80	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
16.29	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
11.82	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
3.46	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
10.04	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0		=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
2,982.08	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
3,321.11	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					418.7		418.67		
0.0						0.00			
	0.0					0.00			
					0.0		0.00		
213.5						213.45			
					0.0		0.00		
	255.3				60.2		60.16		
						255.35			
					23.3		23.34		
91.5						91.45			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			417.5						417.46
	0.0					0.00			
	0.0					0.00			
	29.7					29.74			
357.1						357.07			
			311.9						311.91
	50.9					50.89			
		132.2							
			307.5			307.52			
	113.1					113.09			
	41.4					41.37			
	7.0					6.96			
	0.0					0.00			
524.7						524.69			
			189.0						188.97
	214.4					214.37			
		140.9							
	140.9					140.88			
	112.2					112.17			
0.0						0.00			
		176.7							

		229.8							
		157.8							
		74.6							
27.1						27.12			
		45.8							
		0.0							
		0.0							
		48.1							
		76.4							
		0.0							
		29.8							
0.0						0.00			
		21.6							
		6.3							
		18.3							
0.0						0.00			
0.0						0.00			
1213.8	964.8	1158.1	1225.9	502.2	0.0	2486.1	502.2	0.0	918.3

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

132.22

140.88

176.66

229.81
157.79
74.58

45.78
0.00
0.00
48.07
76.36
0.00
29.76

21.59
6.30
18.26

0.0	0.0	0.0	0.0	1158.1	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		36	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{(\text{Avg RFn}) \times \text{SV}} = \text{Cn}$

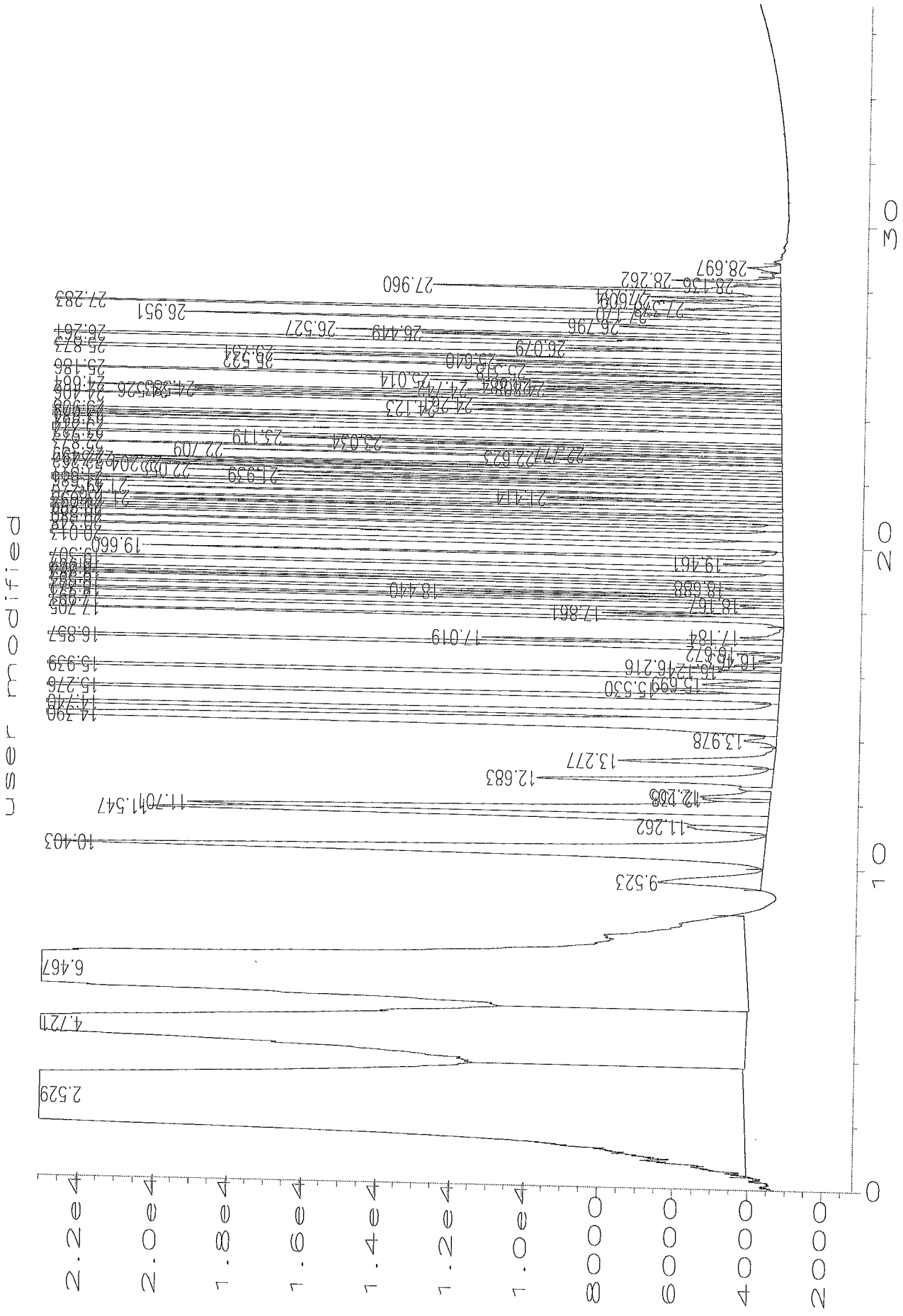
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \times \text{MW})}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.53E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.53E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.53E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.53E+04	328431	418.7	139.56	240.79
Propane	3	TRG	44.1	1.53E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.53E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.53E+04	167444	213.5	53.36	127.06
t-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.53E+04	47196	60.2	15.04	34.58
i-Pentane	5	TRG	72.2	1.53E+04	200311	255.3	51.07	151.12
1-Pentene	5	TRG	70.1	1.53E+04	18311	23.3	4.67	13.41
n-Pentane	5	TRG	72.1	1.53E+04	71740	91.5	18.29	54.05
t-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.53E+04	327477	417.5	83.49	239.87
2,3-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.53E+04	23330	29.7	4.96	17.51
n-Hexane	6	TRG	86.2	1.53E+04	280104	357.1	59.51	210.24
Methylcyclopentane	6	TRG	84.2	1.53E+04	244679	311.9	51.98	179.39
2,4-Dimethylpentane	7	TRG	100.2	1.53E+04	39920	50.9	7.27	29.85
Benzene	6	TRG	78.1	1.53E+04	103719	132.2	22.04	70.53
Cyclohexane	6	TRG	84.2	1.53E+04	241240	307.5	51.25	176.87
2-Methylhexane	7	TRG	100.2	1.53E+04	88718	113.1	16.16	66.35
2,3-Dimethylpentane	7	TRG	100.2	1.53E+04	32452	41.4	5.91	24.27
3-Methylhexane	7	TRG	100.2	1.53E+04	5459	7.0	0.99	4.08
2,2,4-Trimethylpentane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.53E+04	411596	524.7	74.96	307.81
Methylcyclohexane	7	TRG	98.2	1.53E+04	148240	189.0	27.00	108.65
2,3,4-Trimethylpentane	8	TRG	114.2	1.53E+04	168168	214.4	26.80	125.42
Toluene	7	TRG	92.1	1.53E+04	110515	140.9	20.13	75.97
2-Methylheptane	8	TRG	114.2	1.53E+04	110515	140.9	17.61	82.42
3-Methylheptane	8	TRG	114.2	1.53E+04	87989	112.2	14.02	65.62
n-Octane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.53E+04	138580	176.7	22.08	96.11

m,p-xylene	8	TRG	106.2	1.53E+04	180274	229.8	28.73	125.03
Styrene	8	TRG	104.2	1.53E+04	123780	157.8	19.72	84.23
o-xylene	8	TRG	106.2	1.53E+04	58506	74.6	9.32	40.58
n-Nonane	9	TRG	128.3	1.53E+04	21278	27.1	3.01	15.85
i-Propylbenzene	9	TRG	120.2	1.53E+04	35914	45.8	5.09	25.06
n-propylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.53E+04	37712	48.1	5.34	26.31
1,3,5-Trimethylbenzene	9	TRG	120.2	1.53E+04	59900	76.4	8.48	41.80
2-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.53E+04	23345	29.8	3.31	16.29
n-Decane	10	TRG	142.3	1.53E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.53E+04	16940	21.6	2.40	11.82
1,3-Diethylbenzene	10	TRG	134.2	1.53E+04	4939	6.3	0.63	3.46
1,4-Diethylbenzene	10	TRG	134.2	1.53E+04	14323	18.3	1.83	10.04
Undecane	11	TRG	156.3	1.53E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.53E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.53E+04	3973045	5064.7	844.11	2982.08
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.53E+04	3973045	5064.7	5064.69	3321.11

C:\HPCHEM\1\DATA\081116K\26144436A.D



Sample Data Packages

SDG Number 226144
Lab Id Number 37

Client ID T-309

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Canister: 647
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 08/11/2026 **Time:** 16:47
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.49	2.30	6.91	2.87	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.51	2.47	7.40	33.93	
115-07-1	Propene	1.33	4.00	1.42	2.30	6.90	2.45	J
74-98-6	Propane	1.33	4.00	8.58	2.41	7.23	15.50	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	2.00	2.30	6.90	4.61	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.89	2.36	7.07	3.14	J
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	3.56	2.35	7.04	14.62	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	0.58	2.35	7.04	2.38	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	0.88	2.30	6.90	3.53	J
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	0.91	2.18	6.53	3.97	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	2.90	2.18	6.53	12.60	
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	#REF!	2.19	6.57	#REF!	#REF!
620-14-4	3-Ethyltoluene	0.44	1.33	0.80	2.19	6.57	3.92	J
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.39	2.19	6.57	6.84	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	1.12	2.20	6.60	6.14	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.49	2.20	6.60	2.72	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	38.39	26.50	79.49	135.62	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	230.34	29.51	88.52	151.04	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 37
File Name: 2614437A B
Sample ID: T-309
Sampled: 7/22/2026
Received: 07/24/26
Analyzed: 08/11/2026
QCBatch: 081126-GCK
Can: 647
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 11:17 Matrix AA
Time: 16:10 Chem TRG
Time: 16:47 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 276092
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

										RT Win	C2-C4 C5-C12
										RT	0.3 0.1
										RTI	3 3
CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.87	**3.87**	3914	NA	NA	NA		
74-86-2	Acetylene	P	4.10	3.91			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**3.98**	43156	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**4.99**	3344	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.09**	20186	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.49**	**6.44**	1201	I	O	M	343	351
106-98-9	1-Butene	P	7.29	7.18	**7.24**	6290	I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.25**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.66	**8.73**	3002	I	I	H	411	410
590-18-1	c-2-Butene	P	9.63	9.54	**9.52**		I	I	H	430	431
78-78-4	i-Pentane	P	11.37	11.33	**11.26**		I	I	H	472	473
109-67-1	1-Pentene	P	12.30	12.26	**12.21**		I	I	H	494	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75						162	510
627-20-3	c-2-Pentene	P	13.08	13.04						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73						162	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.74**		I	O	M	563	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02	**14.95**	2473	I	I	H	568	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.05**	4179	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.53**		I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.12**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.81	**16.86**		I	I	H	622	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.00	**17.02**		I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.82**	**17.86**		I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.13	**18.17**		I	O	M	661	658
591-76-4	2-Methylhexane	P	18.38	18.37	**18.37**	19548	I	I	H	667	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.44	**18.44**		I	I	H	669	671
589-34-4	3-Methylhexane	P	18.66	18.65	**18.72**	3177	I	I	H	678	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.08	**19.04**	3104	I	I	H	688	690
142-82-5	n-Heptane	P	19.41	19.40	**19.46**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.08	**20.12**	4819	I	I	H	723	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.92	**20.85**	1386	I	O	M	748	753
108-88-3	Toluene	P	21.12	**21.11**	**21.14**		I	I	H	758	758
592-27-8	2-Methylheptane	P	21.33	21.35	**21.41**	2813	I	I	H	767	768
589-81-1	3-Methylheptane	p	21.55	21.57	**21.50**		I	O	M	770	775
111-65-9	n-Octane	P	22.27	22.29	**22.37**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.77	**23.69**	5726	I	I	H	853	855
108-38-3	m,p-xylene	P	23.95	23.97						-106	863
100-42-5	Styrene	P	24.40	24.42	**24.41**		I	I	H	882	881
95-47-6	o-xylene	P	24.57	24.59	**24.54**	18172	I	I	H	888	886
111-84-2	n-Nonane	P	24.87	24.89	**24.84**	1582	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.38	**25.32**		I	I	H	920	919
103-65-1	n-propylbenzene	P	25.93	25.95	**25.99**	5613	I	I	H	947	947
620-14-4	3-Ethyltoluene	P	26.17	26.19	**26.14**		I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.28	**26.24**	2845	I	I	H	957	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.47	**26.45**		I	I	H	966	964
611-14-3	2-Ethyltoluene	P	26.61	26.63	**26.58**		I	O	M	971	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.10	**27.08**	9801	I	I	H	992	991
124-18-5	n-Decane	P	27.26	27.28	**27.28**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.57	**27.57**		I	O	M	1011	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.12	**28.11**	8751	I	I	H	1031	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.25	**28.21**	3881	I	I	H	1035	1037
1120-21-4	Undecane	P	29.86	29.86	**29.94**	1731	I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.46	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**180694**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					180694		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					180694		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081126-GCK		
Hexane Std Area:	276092		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	4.99	2.49	2.87	4.99	2.49	2.87	2.87
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	55.01	27.51	33.93	55.01	27.51	33.93	33.93
Propene	42.1	3	4.26	1.42	2.45	4.26	1.42	2.45	2.45
Propane	44.1	3	25.73	8.58	15.50	25.73	8.58	15.50	15.50
i-Butane	58.1	4	1.53	0.38	0.91	ND	ND	ND	0
1-Butene	56.1	4	8.02	2.00	4.61	8.02	2.00	4.61	4.61
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	3.83	0.96	2.20	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	3.15	0.53	1.86	ND	ND	ND	0
2-Methylpentane	86.2	6	5.33	0.89	3.14	5.33	0.89	3.14	3.14
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	24.92	3.56	14.62	24.92	3.56	14.62	14.62
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	4.05	0.58	2.38	4.05	0.58	2.38	2.38
2,2,4-Trimethylpentane	114.2	8	3.96	0.49	2.31	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	6.14	0.88	3.53	6.14	0.88	3.53	3.53
2,3,4-Trimethylpentane	114.2	8	1.77	0.22	1.03	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	3.59	0.45	2.10	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	7.30	0.91	3.97	7.30	0.91	3.97	3.97

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	23.16	2.90	12.60	23.16	2.90	12.60	12.60
n-Nonane	128.3	9	2.02	0.22	1.18	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	120.2	9	7.16	0.80	3.92	7.16	0.80	3.92	3.92
4-Ethyltoluene	120.2	9	3.63	0.40	1.99	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	12.49	1.39	6.84	12.49	1.39	6.84	6.84
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	11.16	1.12	6.14	11.16	1.12	6.14	6.14
1,4-Diethylbenzene	134.2	10	4.95	0.49	2.72	4.95	0.49	2.72	2.72
Undecane	156.3	11	2.21	0.20	1.28	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	230.34	38.4	135.6	230.34	38.39	135.62	135.62
Total Non-Methane Hydrocarbons-C1	16	1.0	230.34	230.3	151.0	230.34	230.34	151.04	151.04

SDG: **226144**
Laboratory Number: **37**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
2.87	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	J	=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
33.93	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
2.45	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
15.50	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
4.61	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
3.14	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
14.62	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
2.38	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
3.53	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
3.97	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
12.60	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
#REF!	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	#REF!	#REF!	Y
3.92	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
6.84	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
6.14	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
2.72	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
135.62	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
151.04	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					5.0		4.99		
					0.0			0.00	
55.0						55.01			
					4.3		4.26		
25.7						25.73			
	1.5					1.53			
					8.0		8.02		
0.0						0.00			
					3.8		3.83		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						0.00
	3.2					3.15			
	5.3					5.33			
	0.0					0.00			
0.0						0.00			
			0.0						0.00
	0.0					0.00			
		0.0							
			0.0			0.00			
	24.9					24.92			
	0.0					0.00			
	4.0					4.05			
	4.0					3.96			
0.0						0.00			
			6.1						6.14
	1.8					1.77			
		0.0							
	3.6					3.59			
	0.0					0.00			
0.0						0.00			
		7.3							

		0.0							
		0.0							
		23.2							
2.0							2.02		
		0.0							
		#REF!							
		7.2							
		3.6							
		0.0							
		0.0							
		12.5							
0.0							0.00		
		0.0							
		11.2							
		4.9							
2.2							2.21		
0.0							0.00		
85.0	48.3	#REF!	6.1	21.1	0.0	133.3	21.1	0.0	6.1

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

7.30

0.00
0.00
23.16

0.00
#REF!
7.16
3.63
0.00
0.00
12.49

0.00
11.16
4.95

0.0	0.0	0.0	0.0	#REF!	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		37	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6\ Carbons}{(Avg\ RFn)} \cdot \frac{Ansamp}{SV} \cdot CDF \cdot 1000 = Cn$

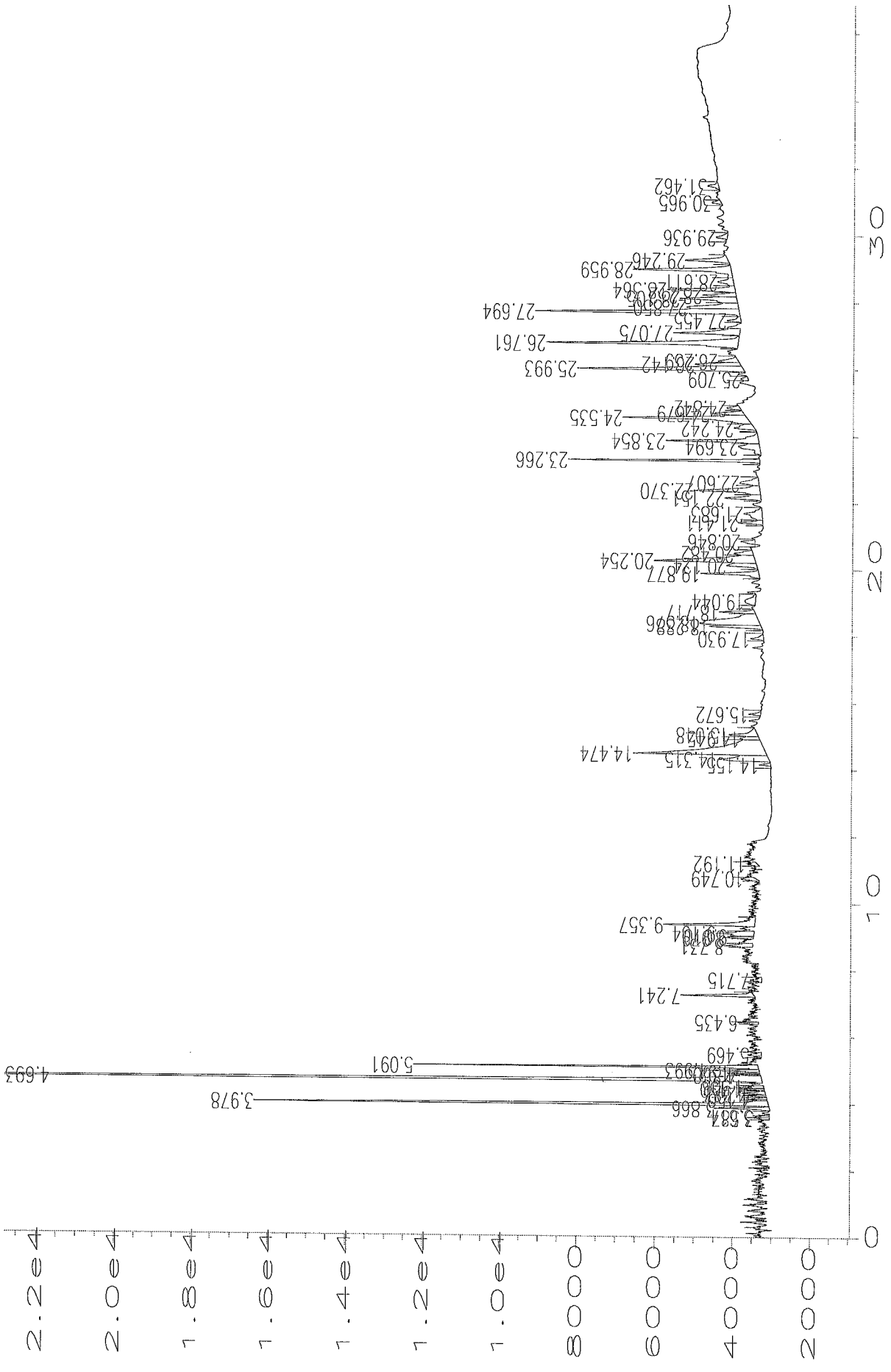
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.53E+04	3914	5.0	2.49	2.87
Acetylene	2	TRG	26.0	1.53E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.53E+04	43156	55.0	27.51	33.93
Propene	3	TRG	42.1	1.53E+04	3344	4.3	1.42	2.45
Propane	3	TRG	44.1	1.53E+04	20186	25.7	8.58	15.50
i-Butane	4	TRG	58.1	1.53E+04	1201	1.5	0.38	0.91
1-Butene	4	TRG	56.1	1.53E+04	6290	8.0	2.00	4.61
n-Butane	4	TRG	58.1	1.53E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.53E+04	3002	3.8	0.96	2.20
c-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.53E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.53E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.53E+04	2473	3.2	0.53	1.86
2-Methylpentane	6	TRG	86.2	1.53E+04	4179	5.3	0.89	3.14
3-Methylpentane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.53E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.53E+04	19548	24.9	3.56	14.62
2,3-Dimethylpentane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.53E+04	3177	4.0	0.58	2.38
2,2,4-Trimethylpentane	8	TRG	114.2	1.53E+04	3104	4.0	0.49	2.31
n-Heptane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.53E+04	4819	6.1	0.88	3.53
2,3,4-Trimethylpentane	8	TRG	114.2	1.53E+04	1386	1.8	0.22	1.03
Toluene	7	TRG	92.1	1.53E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.53E+04	2813	3.6	0.45	2.10
3-Methylheptane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.53E+04	5726	7.3	0.91	3.97

m,p-xylene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.53E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.53E+04	18172	23.2	2.90	12.60
n-Nonane	9	TRG	128.3	1.53E+04	1582	2.0	0.22	1.18
i-Propylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.53E+04	#REF!	#REF!	#REF!	#REF!
3-Ethyltoluene	9	TRG	120.2	1.53E+04	5613	7.2	0.80	3.92
4-Ethyltoluene	9	TRG	120.2	1.53E+04	2845	3.6	0.40	1.99
1,3,5-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.53E+04	9801	12.5	1.39	6.84
n-Decane	10	TRG	142.3	1.53E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.53E+04	8751	11.2	1.12	6.14
1,4-Diethylbenzene	10	TRG	134.2	1.53E+04	3881	4.9	0.49	2.72
Undecane	11	TRG	156.3	1.53E+04	1731	2.2	0.20	1.28
Dodecane	12	TRG	170.3	1.53E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.53E+04	180694	230.3	38.39	135.62
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.53E+04	180694	230.3	230.34	151.04

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Sample Data Packages

SDG Number 226144

Lab Id Number 38

Client ID T-310

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Canister: 654
QC_Batch: 082726-GCK

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 08/27/2026 **Time:** 13:27
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	21.29	2.47	7.40	26.27	
115-07-1	Propene	1.33	4.00	2.66	2.30	6.90	4.59	J
74-98-6	Propane	1.33	4.00	2.87	2.41	7.23	5.19	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	1.28	2.36	7.07	4.53	J
110-54-3	n-Hexane	0.67	2.00	0.92	2.36	7.07	3.25	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.30	2.13	6.40	4.17	J
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	8.81	2.35	7.04	36.17	
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	0.83	2.19	6.57	4.08	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	27.04	26.50	79.49	95.53	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	162.25	29.51	88.52	106.39	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 38
File Name: 2614438A B
Sample ID: T-310
Sampled: 7/22/2026
Received: 07/24/26
Analyzed: 08/27/2026
QCBatch: 082726-GCK
Can: 654
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 11:22 Matrix AA
Time: 16:10 Chem TRG
Time: 13:27 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 301743
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.13	**4.11**	2553	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.17			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.24**	33409	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.17**	6262	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.27**	6759	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.67**						130	351
106-98-9	1-Butene	P	7.29	7.36	**7.24**	1633	I	O	M	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.37**	3074	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.78						196	410
590-18-1	c-2-Butene	P	9.63	9.66						196	431
78-78-4	i-Pentane	P	11.37	11.37						196	473
109-67-1	1-Pentene	P	12.30	12.30						196	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						165	510
627-20-3	c-2-Pentene	P	13.08	13.08						165	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						165	537
287-92-3	Cyclopentane	P	14.88	14.88						165	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						165	570
107-83-5	2-Methylpentane	P	15.08	15.08						165	571
96-14-0	3-Methylpentane	P	15.55	15.55	**15.46**	6035	I	I	H	580	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.20**	4330	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.89						100	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.08						100	626
71-43-2	Benzene	P	17.87	**17.90**	**17.90**	6127	I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.17						100	658
591-76-4	2-Methylhexane	P	18.38	18.41	**18.45**	48360	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.48						100	671
589-34-4	3-Methylhexane	P	18.66	18.69						100	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.12		0				100	690
142-82-5	n-Heptane	P	19.41	19.44	**19.44**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.12						20	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.96						20	753
108-88-3	Toluene	P	21.12	**21.15**	**21.15**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.36						20	768
589-81-1	3-Methylheptane	p	21.55	21.58	**21.52**	1351	I	I	H	773	775
111-65-9	n-Octane	P	22.27	22.30	**22.30**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.78						-58	855
108-38-3	m,p-xylene	P	23.95	23.98						-58	863
100-42-5	Styrene	P	24.40	24.43						-58	881
95-47-6	o-xylene	P	24.57	24.60						-58	886
111-84-2	n-Nonane	P	24.87	24.90	**24.90**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.39						-155	919
103-65-1	n-propylbenzene	P	25.93	25.96						-155	947
620-14-4	3-Ethyltoluene	P	26.17	26.20	**26.16**	1540	I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.29						-155	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.48						-155	964
611-14-3	2-Ethyltoluene	P	26.61	26.64						-155	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.11	**27.05**	5846	I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.29	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.58						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.13						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.26						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:	127279	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	127279	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	127279	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082726-GCK		
Hexane Std Area:	301743		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	3.25	1.63	1.87	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	42.59	21.29	26.27	42.59	21.29	26.27	26.27
Propene	42.1	3	7.98	2.66	4.59	7.98	2.66	4.59	4.59
Propane	44.1	3	8.62	2.87	5.19	8.62	2.87	5.19	5.19
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.08	0.52	1.20	ND	ND	ND	0
n-Butane	58.1	4	3.92	0.98	2.33	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	7.69	1.28	4.53	7.69	1.28	4.53	4.53
n-Hexane	86.2	6	5.52	**0.92**	3.25	5.52	0.92	3.25	3.25
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	7.81	1.30	4.17	7.81	1.30	4.17	4.17
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	61.65	8.81	36.17	61.65	8.81	36.17	36.17
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	1.72	0.22	1.01	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

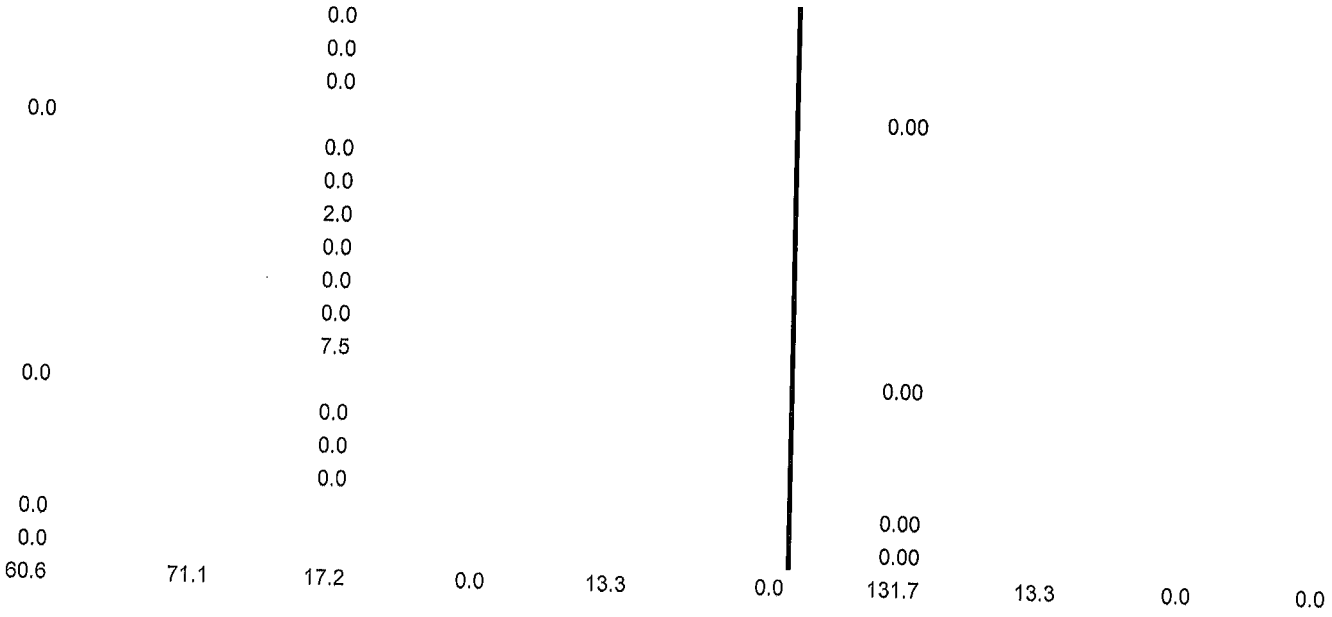
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	1.96	0.22	1.07	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	7.45	0.83	4.08	7.45	0.83	4.08	4.08
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	162.25	27.0	95.5	162.25	27.04	95.53	95.53
Total Non-Methane Hydrocarbons-C1	16	1.0	162.25	162.3	106.4	162.25	162.25	106.39	106.39

SDG: **226144**
Laboratory Number: **38**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
26.27	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
4.59	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
5.19	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
4.53	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
3.25	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
4.17	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
36.17	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0		=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.08	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
95.53	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
106.39	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					3.3		3.25		
					0.0			0.00	
42.6						42.59			
					8.0		7.98		
8.6						8.62			
	0.0					0.00			
					2.1		2.08		
3.9						3.92			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						0.00
	0.0					0.00			
	0.0					0.00			
	7.7					7.69			
5.5						5.52			
			0.0						0.00
	0.0					0.00			
		7.8							
			0.0			0.00			
	61.6					61.65			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
			0.0						0.00
	0.0					0.00			
		0.0							
	0.0					0.00			
	1.7					1.72			
0.0						0.00			
		0.0							


0.0
0.0
0.0
0.0
0.0
0.0
2.0
0.0
0.0
0.0
7.5
0.0
0.0
0.0
0.0
0.0
0.0
0.00
0.00
0.00
0.00
60.6
71.1
17.2
0.0
13.3
0.0
131.7
13.3
0.0
0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

7.81

0.00

0.00

0.00
0.00
0.00

0.00
0.00
1.96
0.00
0.00
0.00
7.45

0.00
0.00
0.00

0.0	0.0	0.0	0.0	17.2	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		38	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdn}i)}{(\text{Cstdn}i)}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons}}{(\text{Avg RFn})} \cdot \frac{\text{Ansamp}}{\text{SV}} \cdot \text{CDF} \cdot 1000 = \text{Cn}$

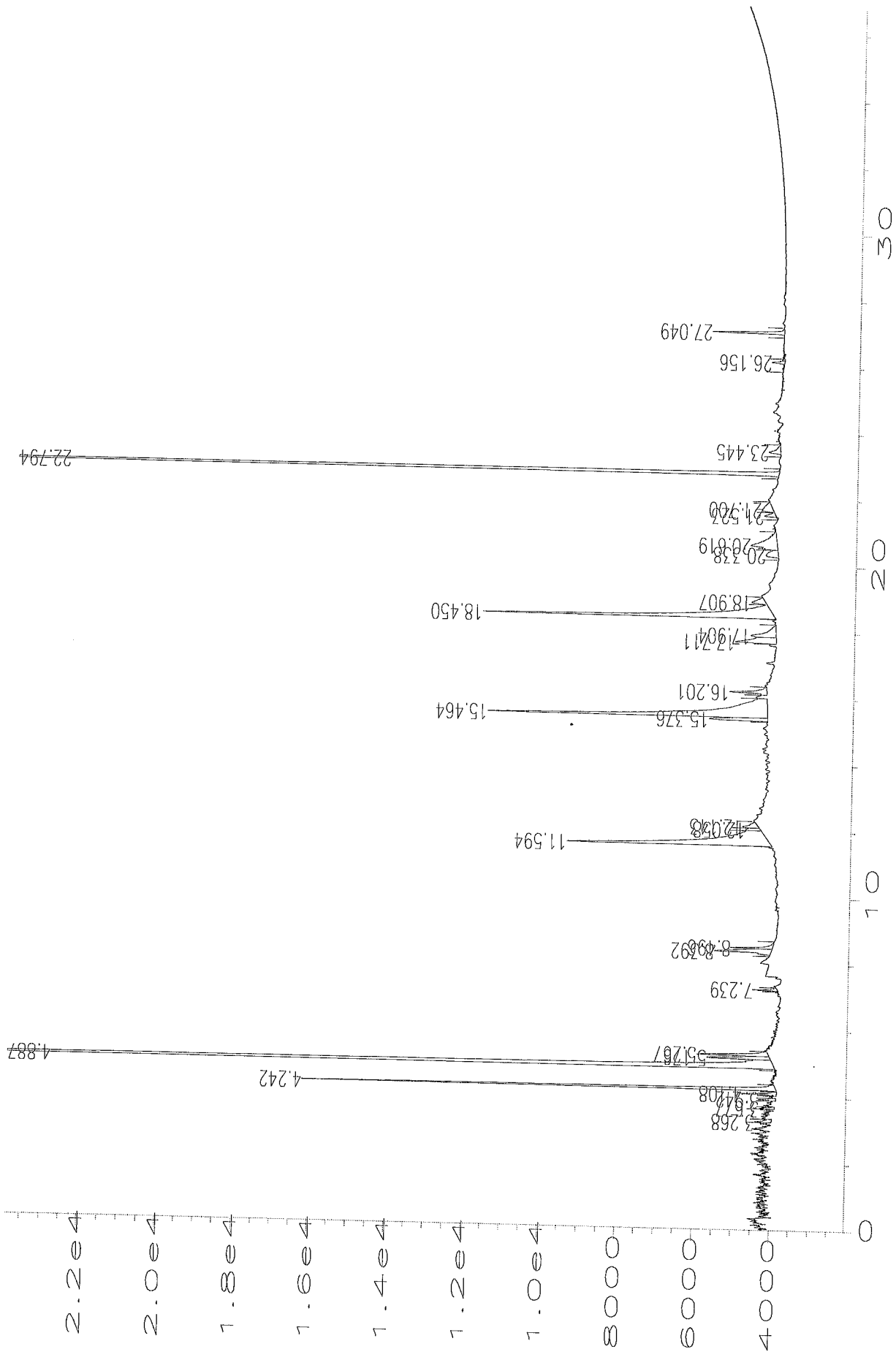
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $(\text{amt(ppbv)} \cdot \frac{\text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.67E+04	2553	3.3	1.63	1.87
Acetylene	2	TRG	26.0	1.67E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.67E+04	33409	42.6	21.29	26.27
Propene	3	TRG	42.1	1.67E+04	6262	8.0	2.66	4.59
Propane	3	TRG	44.1	1.67E+04	6759	8.6	2.87	5.19
i-Butane	4	TRG	58.1	1.67E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.67E+04	1633	2.1	0.52	1.20
n-Butane	4	TRG	58.1	1.67E+04	3074	3.9	0.98	2.33
t-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.67E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.67E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.67E+04	6035	7.7	1.28	4.53
n-Hexane	6	TRG	86.2	1.67E+04	4330	5.5	0.92	3.25
Methylcyclopentane	6	TRG	84.2	1.67E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.67E+04	6127	7.8	1.30	4.17
Cyclohexane	6	TRG	84.2	1.67E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.67E+04	48360	61.6	8.81	36.17
2,3-Dimethylpentane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.67E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.67E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.67E+04	1351	1.7	0.22	1.01
n-Octane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.67E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.67E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.67E+04	1540	2.0	0.22	1.07
4-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.67E+04	5846	7.5	0.83	4.08
n-Decane	10	TRG	142.3	1.67E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.67E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.67E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.67E+04	127279	162.3	27.04	95.53
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.67E+04	127279	162.3	162.25	106.39

C:\HPCHEM\1\DATA\08276K\26144438A.D



Sample Data Packages

SDG Number 226144
Lab Id Number 39

Client ID T-311

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 39

File Name: 2614439A
Description: T-311
Canister: 605
QC_Batch: 081126-GCK

Date Sampled: 07/22/26 **Time:** 11:15
Date Analyzed: 08/11/2026 **Time:** 20:42
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.56	2.47	7.40	30.29	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	7.70	2.41	7.23	13.92	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.20	2.30	6.90	2.76	J
106-97-8	n-Butane	1.00	3.00	1.81	2.38	7.14	4.32	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	1.03	2.37	7.10	3.06	J
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	2.70	2.36	7.07	9.55	
110-54-3	n-Hexane	0.67	2.00	4.76	2.36	7.07	16.82	
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	0.82	2.35	7.04	3.36	J
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	1.66	2.35	7.04	6.81	J
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	1.08	2.34	7.02	5.03	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	0.62	2.18	6.53	2.68	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	0.84	2.19	6.57	4.15	J
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	0.74	2.19	6.57	3.64	J
611-14-3	2-Ethyltoluene	0.44	1.33	0.55	2.19	6.57	2.72	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.14	2.19	6.57	5.61	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.43	2.20	6.60	2.38	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	35.66	26.50	79.49	125.97	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	213.94	29.51	88.52	140.29	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **39**
File Name: **2614439A** **B**
Sample ID: **T-311**
Sampled: **7/22/2026**
Received: **07/24/26**
Analyzed: **08/11/2026**
QCBatch: **081126-GCK**
Can: **605**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **11:15** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **20:42** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **276092**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05	**4.02**	1516	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	38529	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.06**	2477	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.16**	18126	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.56**	**6.54**		I	O	M	345	351
106-98-9	1-Butene	P	7.29	7.25	**7.31**	3768	I	I	H	369	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.25**	5690	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.66	**8.73**		I	I	H	412	410
590-18-1	c-2-Butene	P	9.63	9.54	**9.52**		I	I	H	430	431
78-78-4	i-Pentane	P	11.37	11.33	**11.38**	4053	I	I	H	475	473
109-67-1	1-Pentene	P	12.30	12.26	**12.21**		I	I	H	494	495
109-66-0	n-Pentane	P	12.48	**12.44**	**12.44**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.75						161	510
627-20-3	c-2-Pentene	P	13.08	13.04						161	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.73						161	537
287-92-3	Cyclopentane	P	14.88	14.84	**14.74**		I	O	M	563	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.02	**14.95**		I	I	H	568	570
107-83-5	2-Methylpentane	P	15.08	15.04	**15.01**	1909	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.51	**15.50**	12724	I	I	H	583	583
110-54-3	n-Hexane	P	16.17	**16.13**	**16.11**	22416	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.80	**16.86**		I	I	H	623	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.99	**17.00**	4497	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.81**	**17.86**		I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.13	**18.17**		I	O	M	663	658
591-76-4	2-Methylhexane	P	18.38	18.37						111	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.44	**18.44**	9101	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.65	**18.71**	2228	I	I	H	679	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.08	**19.04**		I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.40	**19.40**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.08	**20.12**		I	I	H	725	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.92	**20.85**		I	O	M	750	753
108-88-3	Toluene	P	21.12	**21.11**	**21.14**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.35	**21.41**		I	I	H	770	768
589-81-1	3-Methylheptane	p	21.55	21.57	**21.52**	6747	I	I	H	773	775
111-65-9	n-Octane	P	22.27	22.29	**22.29**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.77	**23.69**		I	I	H	855	855
108-38-3	m,p-xylene	P	23.95	23.97	**23.99**	3863	I	O	M	867	863
100-42-5	Styrene	P	24.40	24.42	**24.41**		I	I	H	883	881
95-47-6	o-xylene	P	24.57	24.59	**24.54**		I	I	H	888	886
111-84-2	n-Nonane	P	24.87	24.89	**24.84**	1164	I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.38	**25.32**		I	I	H	920	919
103-65-1	n-propylbenzene	P	25.93	25.95	**25.86**	5951	I	O	M	942	947
620-14-4	3-Ethyltoluene	P	26.17	26.19	**26.18**	2521	I	I	H	955	957
622-96-8	4-Ethyltoluene	P	26.26	26.28	**26.24**		I	I	H	957	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.47	**26.39**	5212	I	I	H	963	964
611-14-3	2-Ethyltoluene	P	26.61	26.63	**26.62**	3896	I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.10	**27.15**	8040	I	O	M	995	991
124-18-5	n-Decane	P	27.26	27.28	**27.28**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.57	**27.57**		I	O	M	1011	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.12	**28.11**		I	I	H	1031	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.25	**28.26**	3399	I	I	H	1037	1037
1120-21-4	Undecane	P	29.86	29.80	**29.94**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	32.40	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**167827**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					167827		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					167827		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081126-GCK		
Hexane Std Area:	276092		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.93	0.97	1.11	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	49.12	24.56	30.29	49.12	24.56	30.29	30.29
Propene	42.1	3	3.16	1.05	1.82	ND	ND	ND	0
Propane	44.1	3	23.11	7.70	13.92	23.11	7.70	13.92	13.92
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	4.80	1.20	2.76	4.80	1.20	2.76	2.76
n-Butane	58.1	4	7.25	1.81	4.32	7.25	1.81	4.32	4.32
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	5.17	1.03	3.06	5.17	1.03	3.06	3.06
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	2.43	0.41	1.43	ND	ND	ND	0
3-Methylpentane	86.2	6	16.22	2.70	9.55	16.22	2.70	9.55	9.55
n-Hexane	86.2	6	28.58	**4.76**	16.82	28.58	4.76	16.82	16.82
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	5.73	0.82	3.36	5.73	0.82	3.36	3.36
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	11.60	1.66	6.81	11.60	1.66	6.81	6.81
3-Methylhexane	100.2	7	2.84	0.41	1.67	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	8.60	1.08	5.03	8.60	1.08	5.03	5.03
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

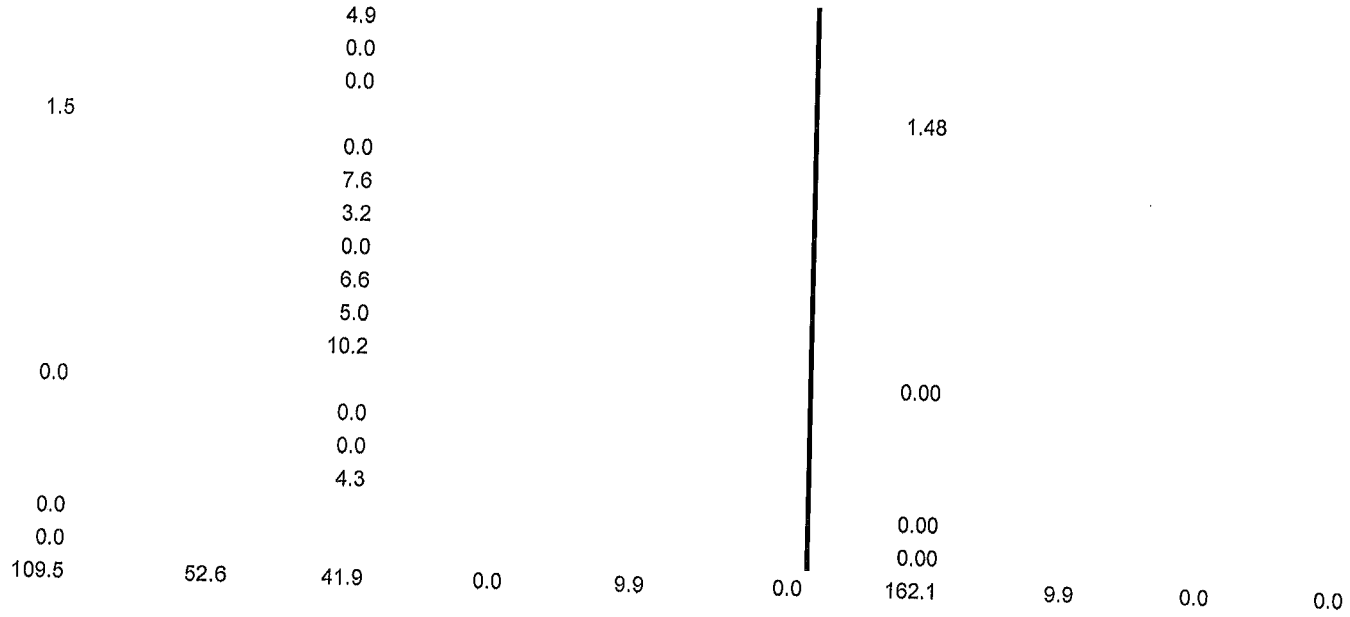
m,p-xylene	106.2	8	4.92	0.62	2.68	4.92	0.62	2.68	2.68
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	1.48	0.16	0.87	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	7.59	0.84	4.15	7.59	0.84	4.15	4.15
3-Ethyltoluene	120.2	9	3.21	0.36	1.76	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	6.64	0.74	3.64	6.64	0.74	3.64	3.64
2-Ethyltoluene	120.2	9	4.97	0.55	2.72	4.97	0.55	2.72	2.72
1,2,4-Trimethylbenzene	120.2	9	10.25	1.14	5.61	10.25	1.14	5.61	5.61
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	4.33	0.43	2.38	4.33	0.43	2.38	2.38
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	213.94	35.7	126.0	213.94	35.66	125.97	125.97
Total Non-Methane Hydrocarbons-C1	16	1.0	213.94	213.9	140.3	213.94	213.94	140.29	140.29

SDG: **226144**
Laboratory Number: **39**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
30.29	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
13.92	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.76	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
4.32	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
3.06	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	J	=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
9.55	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
16.82	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0		=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
3.36	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
6.81	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
5.03	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

2.68	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.15	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.64	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
2.72	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
5.61	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
2.38	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
125.97	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
140.29	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.9		1.93		
					0.0			0.00	
49.1						49.12			
					3.2		3.16		
23.1						23.11			
	0.0					0.00			
					4.8		4.80		
7.3						7.25			
					0.0		0.00		
					0.0		0.00		
	5.2					5.17			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						0.00
	0.0					0.00			
	2.4					2.43			
	16.2					16.22			
28.6						28.58			
			0.0						0.00
	5.7					5.73			
		0.0							
			0.0			0.00			
	0.0					0.00			
	11.6					11.60			
	2.8					2.84			
	0.0					0.00			
0.0						0.00			
			0.0						0.00
	0.0					0.00			
		0.0							
	0.0					0.00			
	8.6					8.60			
0.0						0.00			
		0.0							


4.9
0.0
0.0
1.5
1.48
0.0
7.6
3.2
0.0
6.6
5.0
10.2
0.0
0.00
0.0
0.0
4.3
0.0
0.00
0.0
0.00
109.5
52.6
41.9
0.0
9.9
0.0
162.1
9.9
0.0
0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

				4.92	
				0.00	
				0.00	
				0.00	
				7.59	
				3.21	
				0.00	
				6.64	
				4.97	
				10.25	
				0.00	
				0.00	
				4.33	
0.0	0.0	0.0	0.0	41.9	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		39	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdnl})}{(\text{Cstdnl})}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \quad \text{Ansamp} \quad \text{CDF} \quad 1000}{(\text{Avg RFn}) \quad \text{SV}} = \text{Cn}$

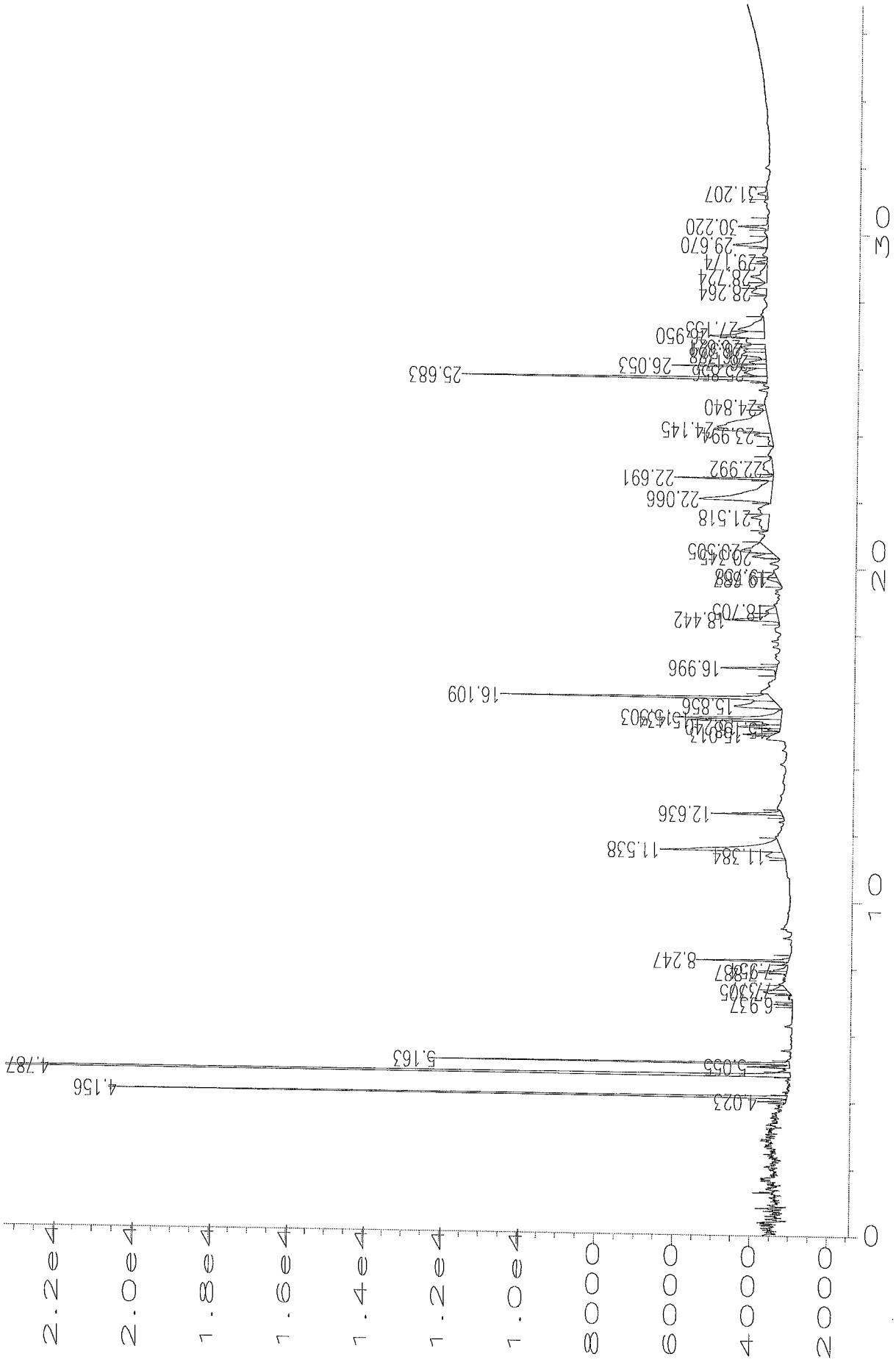
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \quad \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.53E+04	1516	1.9	0.97	1.11
Acetylene	2	TRG	26.0	1.53E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.53E+04	38529	49.1	24.56	30.29
Propene	3	TRG	42.1	1.53E+04	2477	3.2	1.05	1.82
Propane	3	TRG	44.1	1.53E+04	18126	23.1	7.70	13.92
i-Butane	4	TRG	58.1	1.53E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.53E+04	3768	4.8	1.20	2.76
n-Butane	4	TRG	58.1	1.53E+04	5690	7.3	1.81	4.32
t-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.53E+04	4053	5.2	1.03	3.06
1-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.53E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.53E+04	1909	2.4	0.41	1.43
3-Methylpentane	6	TRG	86.2	1.53E+04	12724	16.2	2.70	9.55
n-Hexane	6	TRG	86.2	1.53E+04	22416	28.6	4.76	16.82
Methylcyclopentane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.53E+04	4497	5.7	0.82	3.36
Benzene	6	TRG	78.1	1.53E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.53E+04	9101	11.6	1.66	6.81
3-Methylhexane	7	TRG	100.2	1.53E+04	2228	2.8	0.41	1.67
2,2,4-Trimethylpentane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.53E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.53E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.53E+04	6747	8.6	1.08	5.03
n-Octane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.53E+04	3863	4.9	0.62	2.68
Styrene	8	TRG	104.2	1.53E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.53E+04	1164	1.5	0.16	0.87
i-Propylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.53E+04	5951	7.6	0.84	4.15
3-Ethyltoluene	9	TRG	120.2	1.53E+04	2521	3.2	0.36	1.76
4-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.53E+04	5212	6.6	0.74	3.64
2-Ethyltoluene	9	TRG	120.2	1.53E+04	3896	5.0	0.55	2.72
1,2,4-Trimethylbenzene	9	TRG	120.2	1.53E+04	8040	10.2	1.14	5.61
n-Decane	10	TRG	142.3	1.53E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.53E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.53E+04	3399	4.3	0.43	2.38
Undecane	11	TRG	156.3	1.53E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.53E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.53E+04	167827	213.9	35.66	125.97
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.53E+04	167827	213.9	213.94	140.29

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Sample Data Packages

SDG Number 226144
Lab Id Number 40

Client ID T-312

Analytical Method TO-12

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Analytical Report
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Sample Calculations
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Canister: 730
QC_Batch: 081226-GCK

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 08/12/2026 **Time:** 12:00
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	27.10	2.47	7.40	33.43	
115-07-1	Propene	1.33	4.00	2.96	2.30	6.90	5.11	J
74-98-6	Propane	1.33	4.00	3.72	2.41	7.23	6.73	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.38	26.50	79.49	43.72	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	74.26	29.51	88.52	48.69	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **40**
File Name: **2614440A** B
Sample ID: **T-312**
Sampled: **7/22/2026**
Received: **07/24/26**
Analyzed: **08/12/2026**
QCBatch: **081226-GCK**
Can: **730**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **11:23** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **12:00** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **293658**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.10			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.14			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.21**	42521	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11		6970				-295	290
74-98-6	Propane	P	5.20	**5.20**	**5.06**	8762	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.46**						146	351
106-98-9	1-Butene	P	7.29	7.15	**7.09**		I	O	M	362	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**58253**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					58253		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					58253		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081226-GCK		
Hexane Std Area:	293658		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	54.20	27.10	33.43	54.20	27.10	33.43	33.43
Propene	42.1	3	8.89	2.96	5.11	8.89	2.96	5.11	5.11
Propane	44.1	3	11.17	3.72	6.73	11.17	3.72	6.73	6.73
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

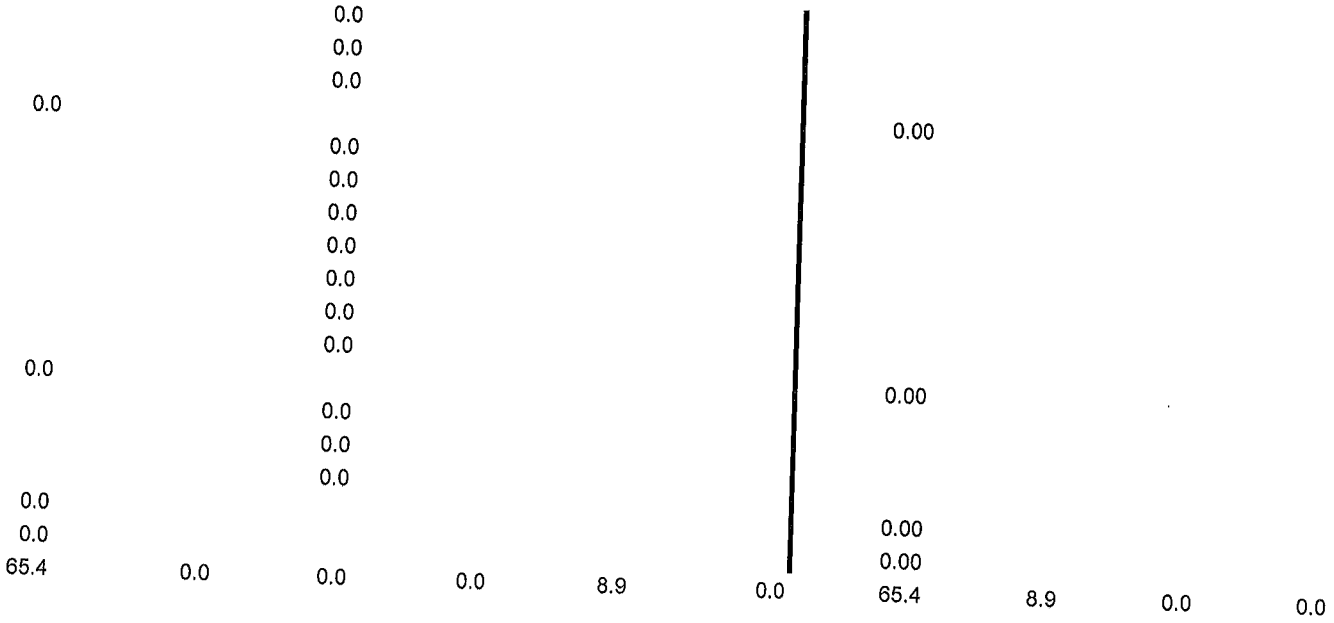
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	74.26	12.4	43.7	74.26	12.38	43.72	43.72
Total Non-Methane Hydrocarbons-C1	16	1.0	74.26	74.3	48.7	74.26	74.26	48.69	48.69

SDG: **226144**
Laboratory Number: **40**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
33.43	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
5.11	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
6.73	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
43.72	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
48.69	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
54.2						54.20			
					8.9		8.89		
11.2						11.17			
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		40	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons}}{(\text{Avg RFn})} \cdot \frac{\text{Ansamp}}{\text{SV}} \cdot \text{CDF} \cdot 1000 = \text{Cn}$

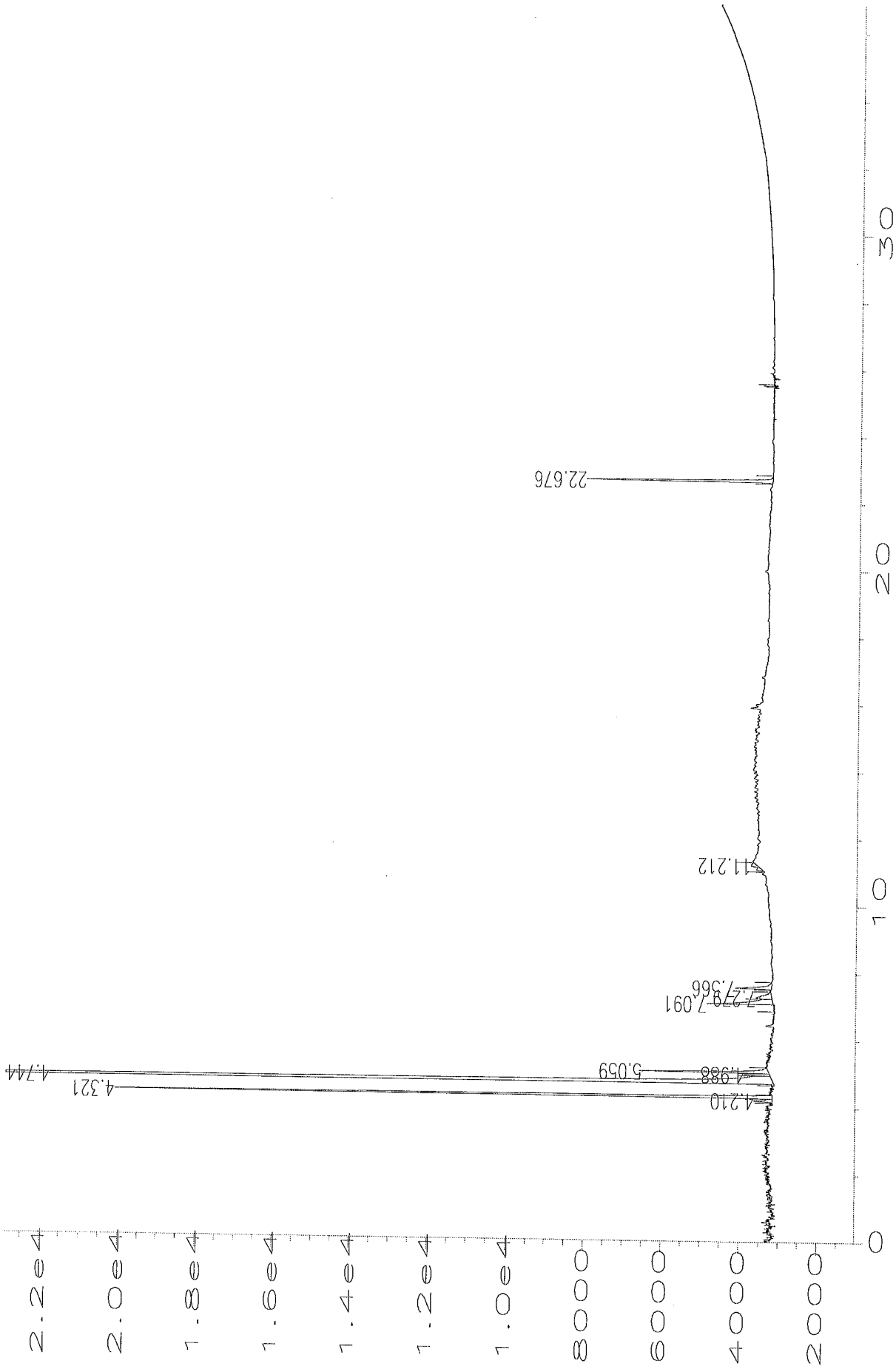
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $(\text{amt(ppbv)} \cdot \frac{\text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.63E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.63E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.63E+04	42521	54.2	27.10	33.43
Propene	3	TRG	42.1	1.63E+04	6970	8.9	2.96	5.11
Propane	3	TRG	44.1	1.63E+04	8762	11.2	3.72	6.73
i-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.63E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.63E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.63E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.63E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.63E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.63E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.63E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.63E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.63E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.63E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.63E+04	58253	74.3	12.38	43.72
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.63E+04	58253	74.3	74.26	48.69

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Sample Data Packages

SDG Number 226144

Lab Id Number 41

Client ID T-313

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Canister: 766
QC_Batch: 081226-GCK

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 08/12/2026 **Time:** 12:50
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	12.40	2.47	7.40	15.30	
115-07-1	Propene	1.33	4.00	2.07	2.30	6.90	3.58	J
74-98-6	Propane	1.33	4.00	4.17	2.41	7.23	7.54	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	8.22	26.50	79.49	29.02	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	49.29	29.51	88.52	32.32	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **41**
File Name: **2614441A** **B**
Sample ID: **T-313**
Sampled: **7/22/2026**
Received: **07/24/26**
Analyzed: **08/12/2026**
QCBatch: **081226-GCK**
Can: **766**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **11:26** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **12:50** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **293658**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	2.46			NA	NA	NA		
74-86-2	Acetylene	P	4.10	2.50			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**2.57**	19461	O	I	M	200	200
115-07-1	Propene	P	5.11	5.11	**3.59**	4882	O	I	M	292	290
74-98-6	Propane	P	5.20	**5.20**	**3.68**	9813	O	I	M	300	300
75-28-5	i-Butane	P	6.60	**5.08**						221	351
106-98-9	1-Butene	P	7.29	5.77	**7.09**		O	O	L	373	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						148	510
627-20-3	c-2-Pentene	P	13.08	13.08						148	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						148	537
287-92-3	Cyclopentane	P	14.88	14.88						148	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						148	570
107-83-5	2-Methylpentane	P	15.08	15.08						148	571
96-14-0	3-Methylpentane	P	15.55	15.55						148	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.03**	1489	O	I	M	600	600
96-37-7	Methylcyclopentane	P	16.86	16.72						112	622
108-08-7	2,4-Dimethylpentane	P	17.05	16.91						112	626
71-43-2	Benzene	P	17.87	**17.73**	**17.76**	3024	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.03						112	658
591-76-4	2-Methylhexane	P	18.38	18.27						112	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.34						112	671
589-34-4	3-Methylhexane	P	18.66	18.55	**18.55**		I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	18.98	**19.11**		O	O	L	694	690
142-82-5	n-Heptane	P	19.41	19.30	**19.31**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	19.98						31	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.82						31	753
108-88-3	Toluene	P	21.12	**21.01**	**21.07**		I	I	H	761	758
592-27-8	2-Methylheptane	P	21.33	21.28						31	768
589-81-1	3-Methylheptane	p	21.55	21.50	**21.48**		I	I	H	775	775
111-65-9	n-Octane	P	22.27	22.22	**22.20**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.70						-53	855
108-38-3	m,p-xylene	P	23.95	23.90	**23.92**		I	I	H	866	863
100-42-5	Styrene	P	24.40	24.35						-53	881
95-47-6	o-xylene	P	24.57	24.52	**24.53**		I	O	M	890	886
111-84-2	n-Nonane	P	24.87	24.82	**24.80**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.31						-141	919
103-65-1	n-propylbenzene	P	25.93	25.88	**25.89**		I	I	H	946	947
620-14-4	3-Ethyltoluene	P	26.17	26.12	**26.07**		I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.21						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.40	**26.40**		I	O	M	967	964
611-14-3	2-Ethyltoluene	P	26.61	26.56	**26.55**		I	I	H	973	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.03	**26.96**		I	I	H	991	991
124-18-5	n-Decane	P	27.26	27.21	**27.18**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.50						-42	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.05						-42	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.18	**28.14**		I	I	H	1037	1037
1120-21-4	Undecane	P	29.86	29.81	**29.79**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.41	**32.46**		I	I	H	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:		TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	38669	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	38669	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081226-GCK		
Hexane Std Area:	293658		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	24.81	12.40	15.30	24.81	12.40	15.30	15.30
Propene	42.1	3	6.22	2.07	3.58	6.22	2.07	3.58	3.58
Propane	44.1	3	12.51	4.17	7.54	12.51	4.17	7.54	7.54
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	1.90	**0.32**	1.12	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	3.85	0.64	2.06	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

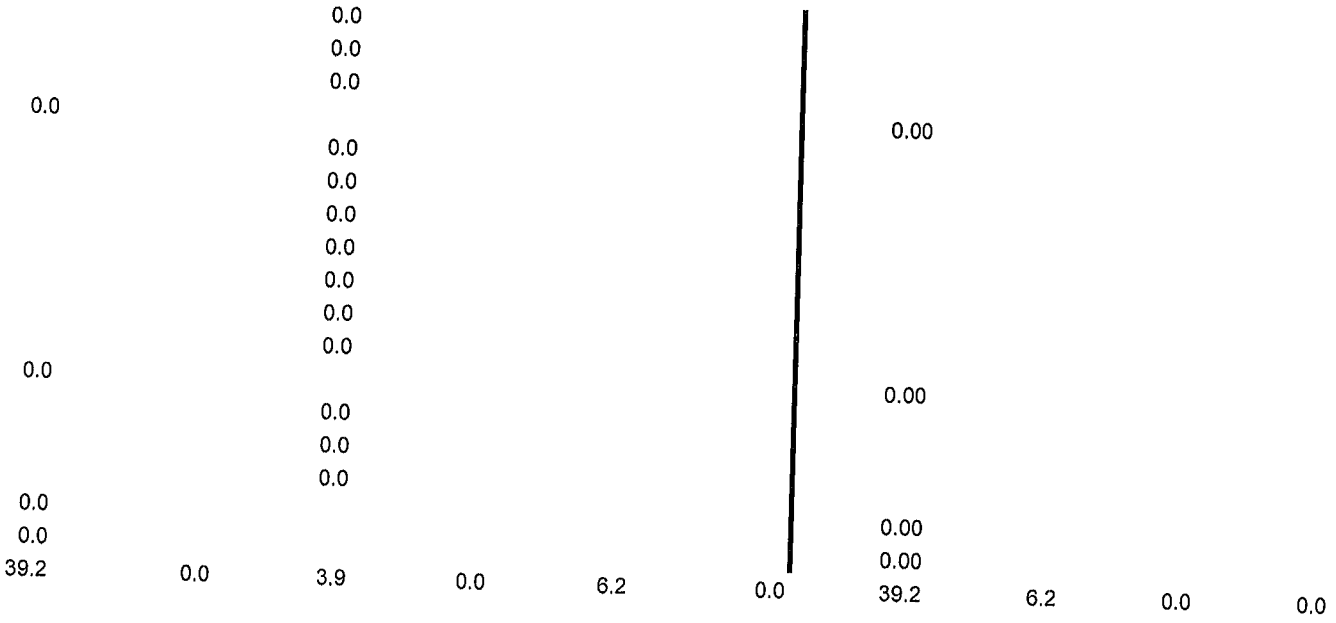
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	49.29	8.2	29.0	49.29	8.22	29.02	29.02
Total Non-Methane Hydrocarbons-C1	16	1.0	49.29	49.3	32.3	49.29	49.29	32.32	32.32

SDG: **226144**
Laboratory Number: **41**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
15.30	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
3.58	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
7.54	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
29.02	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
32.32	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
24.8						24.81			
					6.2		6.22		
12.5						12.51			
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						
	0.0					0.00			0.00
	0.0					0.00			
	0.0					0.00			
1.9						1.90			
			0.0						
	0.0					0.00			0.00
		3.9							
			0.0						
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
			0.0			0.00			
	0.0					0.00			0.00
		0.0							
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
		0.0				0.00			


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0.00
0.00
39.2
0.0
3.9
0.0
6.2
0.0
39.2
6.2
0.0
0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

3.85

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	3.9	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG: 226144

Laboratory Number: 41

Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6\ Carbons \times (Avg\ RFn) \times Ansamp \times SV \times CDF \times 1000}{Cn}$

3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv) \times MW)}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.63E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.63E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.63E+04	19461	24.8	12.40	15.30
Propene	3	TRG	42.1	1.63E+04	4882	6.2	2.07	3.58
Propane	3	TRG	44.1	1.63E+04	9813	12.5	4.17	7.54
i-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.63E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.63E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.63E+04	1489	1.9	0.32	1.12
Methylcyclopentane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.63E+04	3024	3.9	0.64	2.06
Cyclohexane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.63E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.63E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.63E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.63E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.63E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.63E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.63E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.63E+04	38669	49.3	8.22	29.02
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.63E+04	38669	49.3	49.29	32.32

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Sample Data Packages

SDG Number 226144

Lab Id Number 42

Client ID T-314

Analytical Method TO-12

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Analytical Report
Quantitation Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Canister: 662
QC_Batch: 073126-GCK

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 07/31/26 **Time:** 20:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 42
File Name: 2614442A C
Sample ID: T-314
Sampled: 7/22/2026
Received: 07/24/26
Analyzed: 07/31/26
QCBatch: 073126-GCK
Can: 662
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 11:30 Matrix AA
Time: 16:10 Chem TRG
Time: 20:52 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 342823
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.25**		I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37	**11.33**		I	I	H	472	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:		TPH Subtractions
		0	
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	0	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	0	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	073126-GCK		
Hexane Std Area:	342823		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

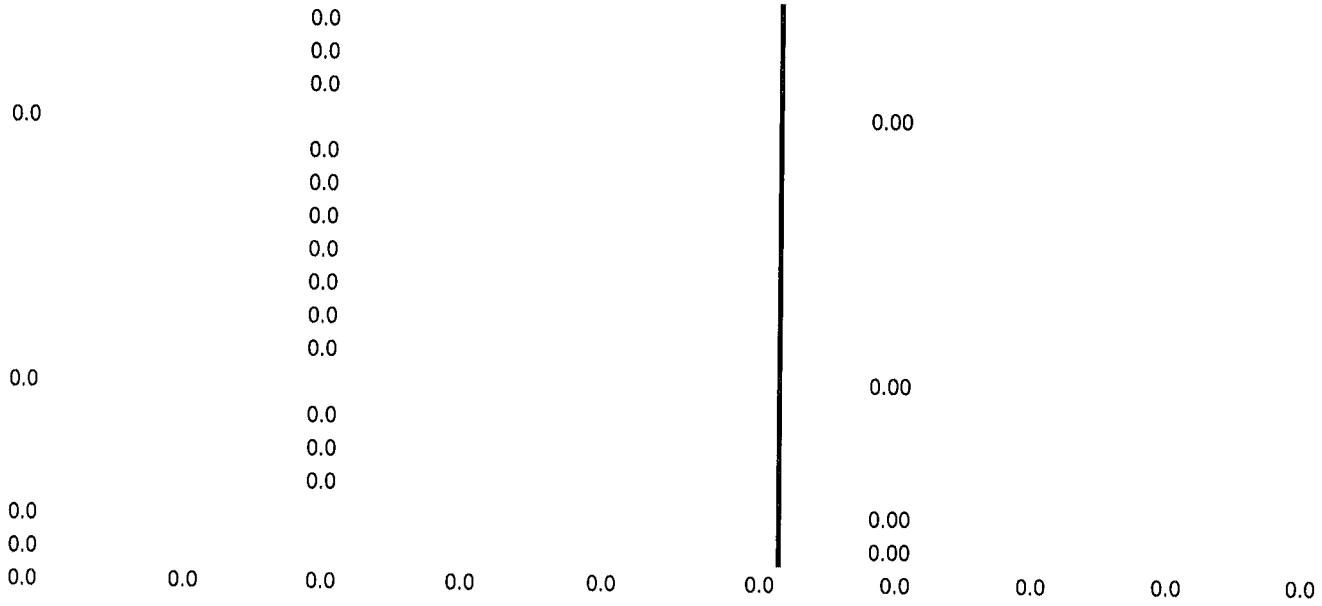
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **42**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		42	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\sum_{i} \left| \frac{(Astdni)}{(Cstdni)} \right|$

2) ppbC = $\frac{6 \text{ Carbons}}{(\text{Avg RFn})} \cdot \frac{\text{Ansamp}}{SV} \cdot \text{CDF} \cdot 1000 = \text{Cn}$

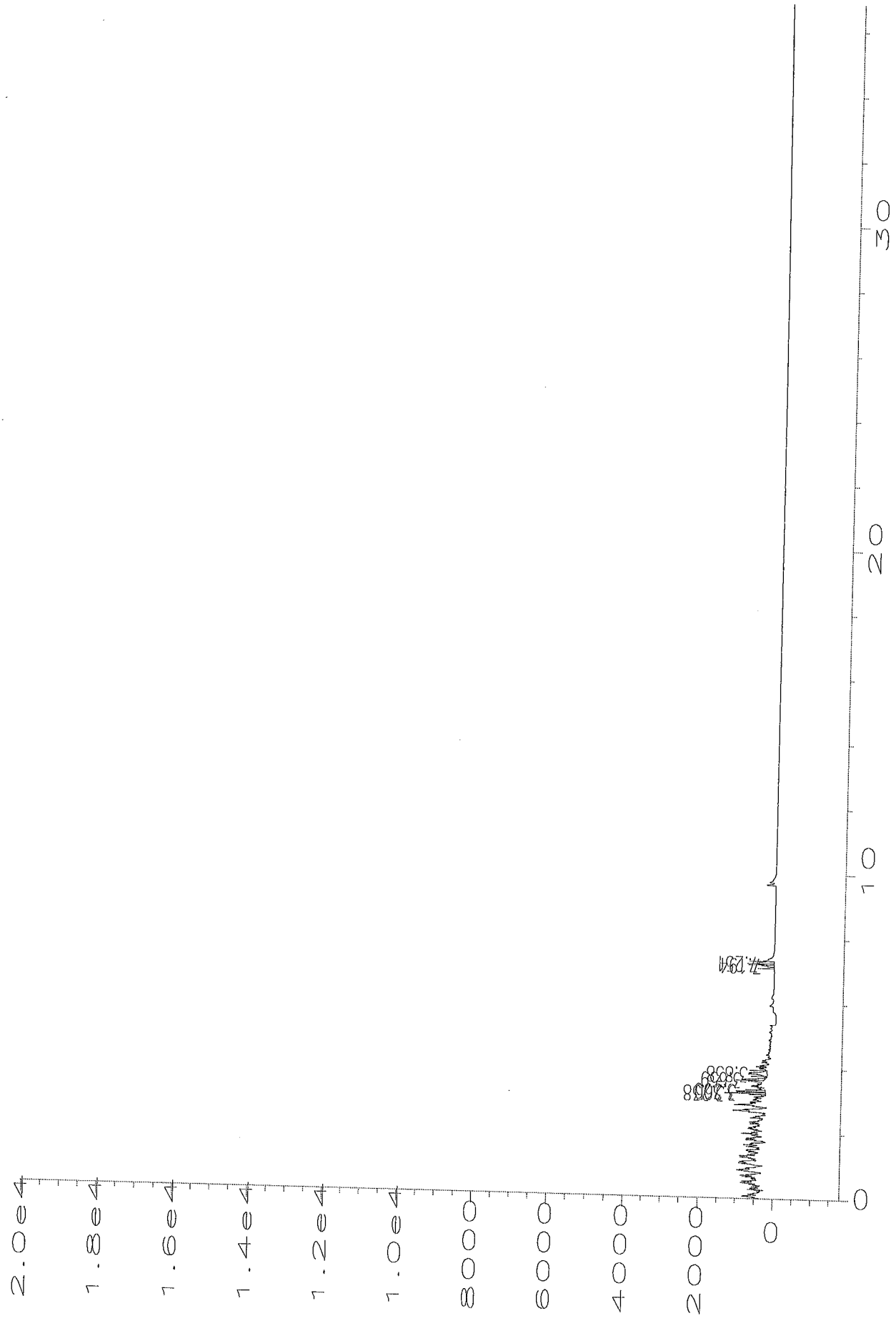
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \cdot MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.90E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.90E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.90E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.90E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.90E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.90E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.90E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.90E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.90E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.90E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.90E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.90E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.90E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.90E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.90E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.90E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.90E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.90E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.90E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.90E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.90E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.90E+04	0	0.0	0.00	0.00

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Sample Data Packages

SDG Number 226144
Lab Id Number 43

Client ID T-401

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Canister: 643
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 08/12/2026 **Time:** 13:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	23.64	2.47	7.40	29.16	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.97	2.41	7.23	5.36	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	10.63	26.50	79.49	37.57	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	63.80	29.51	88.52	41.84	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 43
File Name: 2614443A B
Sample ID: T-401
Sampled: 7/23/2026 Time: 8:59
Received: 07/24/26 Time: 16:10
Analyzed: 08/12/2026 Time: 13:37
QCBatch: 081226-GCK
Can: 643
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 293658
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	37085	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.09**	2513	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.18**	6985	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.58**						134	351
106-98-9	1-Butene	P	7.29	7.27	**7.20**	1934	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.30**	1533	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.71						201	410
590-18-1	c-2-Butene	P	9.63	9.59						201	431
78-78-4	i-Pentane	P	11.37	11.37						201	473
109-67-1	1-Pentene	P	12.30	12.30						201	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**		I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**		I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					50050		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					50050		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					50050		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081226-GCK		
Hexane Std Area:	293658		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	47.27	23.64	29.16	47.27	23.64	29.16	29.16
Propene	42.1	3	3.20	1.07	1.84	ND	ND	ND	0
Propane	44.1	3	8.90	2.97	5.36	8.90	2.97	5.36	5.36
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.47	0.62	1.42	ND	ND	ND	0
n-Butane	58.1	4	1.95	0.49	1.16	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

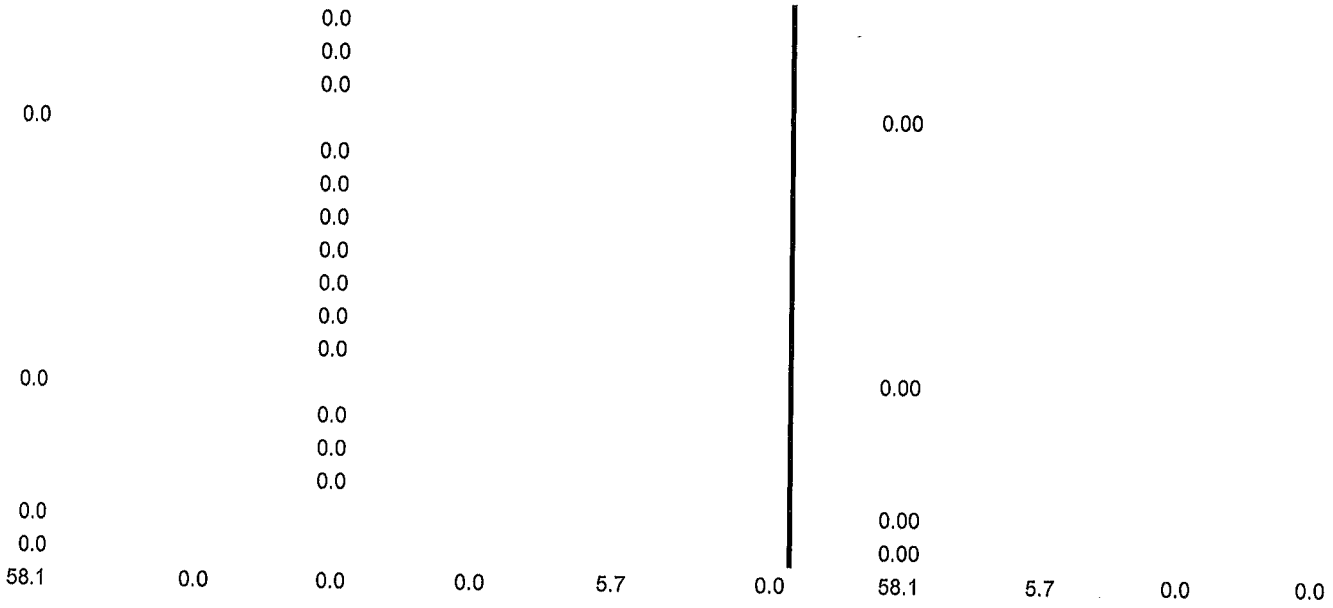
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	63.80	10.6	37.6	63.80	10.63	37.57	37.57
Total Non-Methane Hydrocarbons-C1	16	1.0	63.80	63.8	41.8	63.80	63.80	41.84	41.84

SDG: 226144
Laboratory Number: 43

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
29.16	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
5.36	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
37.57	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
41.84	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
47.3						47.27			
					3.2		3.20		
8.9						8.90			
	0.0					0.00			
					2.5		2.47		
2.0						1.95			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
					0.0				0.00
	0.0					0.00			
			0.0						
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
					0.0				0.00
	0.0					0.00			
			0.0						
	0.0					0.00			
	0.0					0.00			
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58.1
5.7
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		43	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\ \frac{(\text{Astdnl})}{(\text{Cstdnl})_i}}{}$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

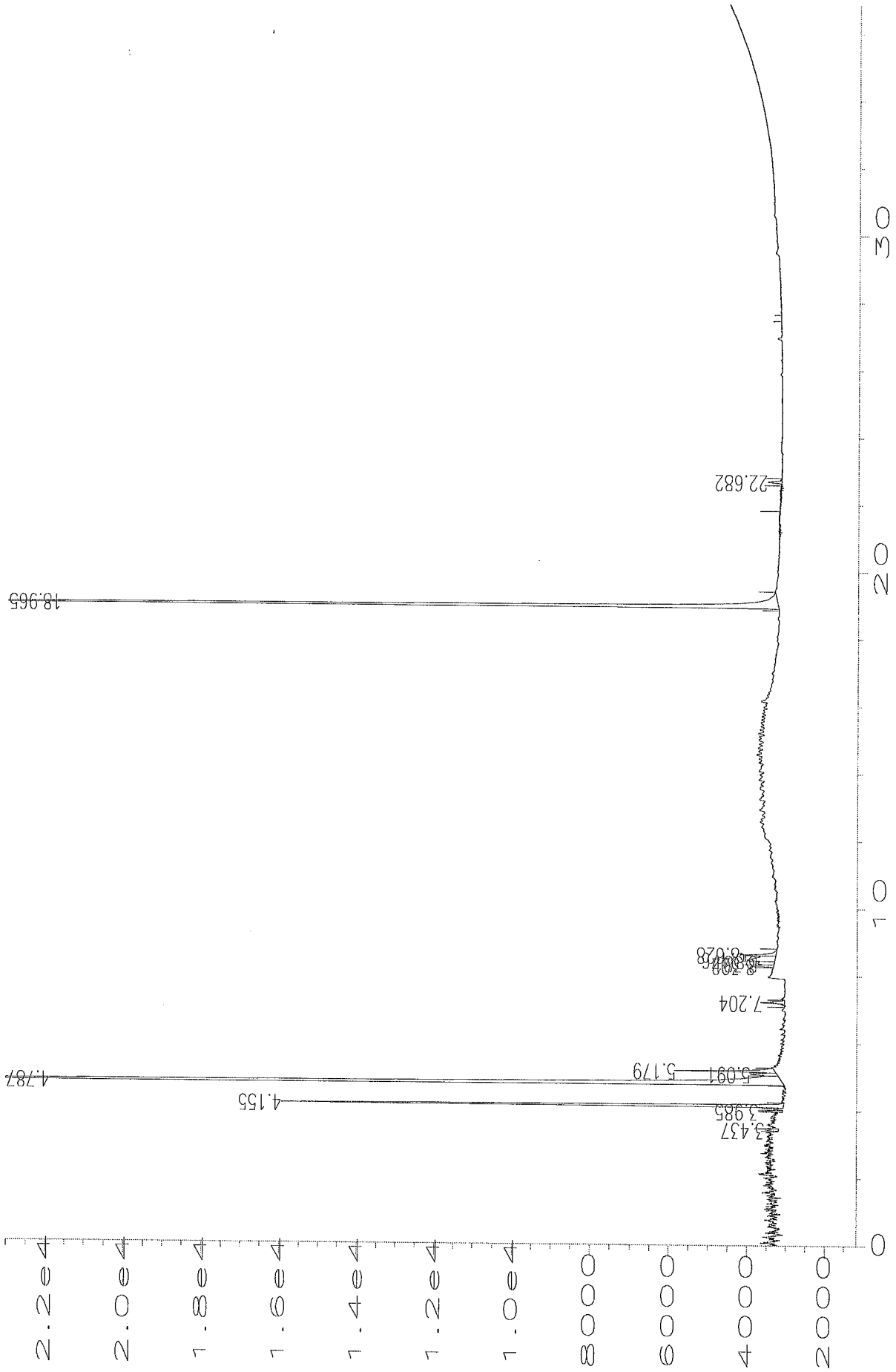
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.63E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.63E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.63E+04	37085	47.3	23.64	29.16
Propene	3	TRG	42.1	1.63E+04	2513	3.2	1.07	1.84
Propane	3	TRG	44.1	1.63E+04	6985	8.9	2.97	5.36
i-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.63E+04	1934	2.5	0.62	1.42
n-Butane	4	TRG	58.1	1.63E+04	1533	2.0	0.49	1.16
t-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.63E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.63E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.63E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.63E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.63E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.63E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.63E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.63E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.63E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.63E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.63E+04	50050	63.8	10.63	37.57
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.63E+04	50050	63.8	63.80	41.84

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Sample Data Packages

SDG Number 226144

Lab Id Number 44

Client ID T-402

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Canister: 740
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 08/12/2026 **Time:** 14:28
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	3.61	2.30	6.91	4.16	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	31.80	2.47	7.40	39.23	
115-07-1	Propene	1.33	4.00	1.79	2.30	6.90	3.09	J
74-98-6	Propane	1.33	4.00	21.06	2.41	7.23	38.07	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	11.49	2.38	7.14	27.36	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	2.83	2.37	7.10	8.37	
109-67-1	1-Pentene	0.80	2.40	1.08	2.30	6.90	3.09	J
109-66-0	n-Pentane	0.80	2.40	0.94	2.36	7.09	2.78	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	0.74	2.30	6.90	2.54	J
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	3.55	2.34	7.02	16.63	
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	1.27	2.16	6.47	4.80	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.47	2.19	6.57	2.32	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	47.36	26.50	79.49	167.33	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	284.18	29.51	88.52	186.35	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **44**
File Name: **2614444A**
Sample ID: **T-402**
Sampled: **7/23/2026**
Received: **07/24/26**
Analyzed: **08/12/2026**
QCBatch: **081226-GCK**
Can: **740**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

B

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **9:00** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **14:28** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **293658**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.03**	5664	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**	49887	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.09**	4217	I	I	H	290	290
74-98-6	Propane	P	5.20	**5.20**	**5.19**	49573	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.59**						132	351
106-98-9	1-Butene	P	7.29	7.28	**7.25**	1293	I	I	H	367	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.28**	36057	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.69						200	410
590-18-1	c-2-Butene	P	9.63	9.57						200	431
78-78-4	i-Pentane	P	11.37	11.31	**11.35**	11090	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.24	**12.27**	4218	I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.42**	**12.42**	3695	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.73						165	510
627-20-3	c-2-Pentene	P	13.08	13.02						165	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.71	**13.74**	1199	I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.82						165	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.00						165	570
107-83-5	2-Methylpentane	P	15.08	15.02	**15.03**	1145	I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.49	**15.52**	1771	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.11**	**16.13**	2561	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.82						109	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.01	**17.00**	1747	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.83**	**17.83**		I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.10	**18.08**	3463	I	I	H	660	658
591-76-4	2-Methylhexane	P	18.38	18.34						109	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.41						109	671
589-34-4	3-Methylhexane	P	18.66	18.62						109	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.05	**18.96**	22294	I	O	M	686	690
142-82-5	n-Heptane	P	19.41	19.37	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.05						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.89	**20.81**	2219	I	O	M	749	753
108-88-3	Toluene	P	21.12	**21.08**	**21.03**	6988	I	I	H	757	758
592-27-8	2-Methylheptane	P	21.33	21.24						21	768
589-81-1	3-Methylheptane	p	21.55	21.46						21	775
111-65-9	n-Octane	P	22.27	22.18	**22.27**	1061	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.66	**23.63**	2173	I	I	H	854	855
108-38-3	m,p-xylene	P	23.95	23.86						-87	863
100-42-5	Styrene	P	24.40	24.31						-87	881
95-47-6	o-xylene	P	24.57	24.48						-87	886
111-84-2	n-Nonane	P	24.87	24.78	**24.78**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.27	**25.18**	2632	I	I	H	916	919
103-65-1	n-propylbenzene	P	25.93	25.84						-95	947
620-14-4	3-Ethyltoluene	P	26.17	26.08						-95	957
622-96-8	4-Ethyltoluene	P	26.26	26.17						-95	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.36						-95	964
611-14-3	2-Ethyltoluene	P	26.61	26.52	**26.52**	3322	I	O	M	970	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	26.99	**26.94**	2486	I	O	M	987	991
124-18-5	n-Decane	P	27.26	27.17	**27.27**	2174	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.46						-53	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.01						-53	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.14						-53	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:	222929	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	222929	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	222929	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081226-GCK		
Hexane Std Area:	293658		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	7.22	3.61	4.16	7.22	3.61	4.16	4.16
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	63.59	31.80	39.23	63.59	31.80	39.23	39.23
Propene	42.1	3	5.38	1.79	3.09	5.38	1.79	3.09	3.09
Propane	44.1	3	63.19	21.06	38.07	63.19	21.06	38.07	38.07
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	1.65	0.41	0.95	ND	ND	ND	0
n-Butane	58.1	4	45.96	11.49	27.36	45.96	11.49	27.36	27.36
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	14.14	2.83	8.37	14.14	2.83	8.37	8.37
1-Pentene	70.1	5	5.38	1.08	3.09	5.38	1.08	3.09	3.09
n-Pentane	72.1	5	4.71	0.94	2.78	4.71	0.94	2.78	2.78
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	1.53	0.25	0.90	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	1.46	0.24	0.86	ND	ND	ND	0
3-Methylpentane	86.2	6	2.26	0.38	1.33	ND	ND	ND	0
n-Hexane	86.2	6	3.26	**0.54**	1.92	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	2.23	0.32	1.31	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	4.41	0.74	2.54	4.41	0.74	2.54	2.54
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	28.42	3.55	16.63	28.42	3.55	16.63	16.63
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	2.83	0.35	1.65	ND	ND	ND	0
Toluene	92.1	7	8.91	1.27	4.80	8.91	1.27	4.80	4.80
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	1.35	0.17	0.79	ND	ND	ND	0
Ethylbenzene	106.2	8	2.77	0.35	1.51	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	3.36	0.37	1.84	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	4.23	0.47	2.32	4.23	0.47	2.32	2.32
1,2,4-Trimethylbenzene	120.2	9	3.17	0.35	1.73	ND	ND	ND	0
n-Decane	142.3	10	2.77	0.28	1.62	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	284.18	47.4	167.3	284.18	47.36	167.33	167.33
Total Non-Methane Hydrocarbons-C1	16	1.0	284.18	284.2	186.3	284.18	284.18	186.35	186.35

SDG: **226144**
Laboratory Number: **44**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
4.16	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	J	=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
39.23	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
3.09	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
38.07	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
27.36	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
8.37	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
3.09	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	J	=		Y
2.78	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	J	=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
2.54	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	J	=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
16.63	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
4.80	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
2.32	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
167.33	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
186.35	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					7.2		7.22		
					0.0			0.00	
63.6						63.59			
					5.4		5.38		
63.2						63.19			
	0.0					0.00			
					1.6		1.65		
46.0						45.96			
					0.0		0.00		
					0.0		0.00		
	14.1					14.14			
					5.4		5.38		
4.7						4.71			
					0.0		0.00		
					0.0		0.00		
	1.5					1.53			
			0.0						0.00
	0.0					0.00			
	1.5					1.46			
	2.3					2.26			
3.3						3.26			
			0.0						0.00
	2.2					2.23			
		0.0							
			4.4			4.41			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	28.4					28.42			
0.0						0.00			
			0.0						0.00
	2.8					2.83			
		8.9							
	0.0					0.00			
	0.0					0.00			
1.4						1.35			
		2.8							

0.0		0.0							
		0.0							
		0.0							
0.0						0.00			
		3.4							
		0.0							
		0.0							
		0.0							
		0.0							
		4.2							
		3.2							
2.8						2.77			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
184.9	52.9	22.4	4.4	19.6	0.0	242.1	19.6	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

8.91

2.77

0.00
0.00
0.00

3.36
0.00
0.00
0.00
0.00
4.23
3.17

0.00
0.00
0.00

0.0	0.0	0.0	0.0	22.4	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		44	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = Cn

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.63E+04	5664	7.2	3.61	4.16
Acetylene	2	TRG	26.0	1.63E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.63E+04	49887	63.6	31.80	39.23
Propene	3	TRG	42.1	1.63E+04	4217	5.4	1.79	3.09
Propane	3	TRG	44.1	1.63E+04	49573	63.2	21.06	38.07
i-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.63E+04	1293	1.6	0.41	0.95
n-Butane	4	TRG	58.1	1.63E+04	36057	46.0	11.49	27.36
t-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.63E+04	11090	14.1	2.83	8.37
1-Pentene	5	TRG	70.1	1.63E+04	4218	5.4	1.08	3.09
n-Pentane	5	TRG	72.1	1.63E+04	3695	4.7	0.94	2.78
t-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.63E+04	1199	1.5	0.25	0.90
Cyclopentane	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.63E+04	1145	1.5	0.24	0.86
3-Methylpentane	6	TRG	86.2	1.63E+04	1771	2.3	0.38	1.33
n-Hexane	6	TRG	86.2	1.63E+04	2561	3.3	0.54	1.92
Methylcyclopentane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.63E+04	1747	2.2	0.32	1.31
Benzene	6	TRG	78.1	1.63E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.63E+04	3463	4.4	0.74	2.54
2-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.63E+04	22294	28.4	3.55	16.63
n-Heptane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.63E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.63E+04	2219	2.8	0.35	1.65
Toluene	7	TRG	92.1	1.63E+04	6988	8.9	1.27	4.80
2-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.63E+04	1061	1.4	0.17	0.79
Ethylbenzene	8	TRG	106.2	1.63E+04	2173	2.8	0.35	1.51

m,p-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.63E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.63E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.63E+04	2632	3.4	0.37	1.84
n-propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.63E+04	3322	4.2	0.47	2.32
1,2,4-Trimethylbenzene	9	TRG	120.2	1.63E+04	2486	3.2	0.35	1.73
n-Decane	10	TRG	142.3	1.63E+04	2174	2.8	0.28	1.62
1,2,3-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.63E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.63E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.63E+04	222929	284.2	47.36	167.33
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.63E+04	222929	284.2	284.18	186.35

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Sample Data Packages

SDG Number 226144

Lab Id Number 45

Client ID T-403

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Canister: 699
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 08/12/2026 **Time:** 16:41
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	22.58	2.47	7.40	27.85	
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	5.98	2.41	7.23	10.80	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.23	2.38	7.14	5.30	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	0.59	2.16	6.47	2.24	J
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.73	26.50	79.49	48.49	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	82.36	29.51	88.52	54.00	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **45**
File Name: **2614445A**
Sample ID: **T-403**
Sampled: **7/23/2026**
Received: **07/24/26**
Analyzed: **08/12/2026**
QCBatch: **081226-GCK**
Can: **699**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

B

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **9:04** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **16:41** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **293658**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win	C2-C4	C5-C12
RT	**0.3**	**0.1**
RTI	**3**	**3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.04	**4.00**	1102	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.08			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.15**	35426	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.06**	2809	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.15**	14065	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.55**						138	351
106-98-9	1-Butene	P	7.29	7.24	**7.25**		I	I	H	366	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**	6986	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74						196	410
590-18-1	c-2-Butene	P	9.63	9.62						196	431
78-78-4	i-Pentane	P	11.37	11.31	**11.35**		I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.24	**12.27**		I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.42**	**12.42**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.73						165	510
627-20-3	c-2-Pentene	P	13.08	13.02						165	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.71	**13.74**		I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.82						165	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.00						165	570
107-83-5	2-Methylpentane	P	15.08	15.02	**15.03**		I	I	H	570	571
96-14-0	3-Methylpentane	P	15.55	15.49	**15.52**		I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.11**	**16.13**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.82						109	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.01	**17.00**		I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.83**	**17.83**		I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.10	**18.08**		I	I	H	660	658
591-76-4	2-Methylhexane	P	18.38	18.34						109	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.41						109	671
589-34-4	3-Methylhexane	P	18.66	18.62						109	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.05	**18.97**		I	O	M	687	690
142-82-5	n-Heptane	P	19.41	19.37	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.05						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.89	**20.88**	965	I	I	H	751	753
108-88-3	Toluene	P	21.12	**21.08**	**21.03**	3252	I	I	H	757	758
592-27-8	2-Methylheptane	P	21.33	21.24						21	768
589-81-1	3-Methylheptane	p	21.55	21.46						21	775
111-65-9	n-Octane	P	22.27	22.18	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.66	**23.63**		I	I	H	854	855
108-38-3	m,p-xylene	P	23.95	23.86						-87	863
100-42-5	Styrene	P	24.40	24.31						-87	881
95-47-6	o-xylene	P	24.57	24.48						-87	886
111-84-2	n-Nonane	P	24.87	24.78	**24.78**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.27	**25.18**		I	I	H	916	919
103-65-1	n-propylbenzene	P	25.93	25.84						-95	947
620-14-4	3-Ethyltoluene	P	26.17	26.08						-95	957
622-96-8	4-Ethyltoluene	P	26.26	26.17						-95	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.36						-95	964
611-14-3	2-Ethyltoluene	P	26.61	26.52	**26.52**		I	O	M	970	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	26.99	**26.94**		I	O	M	987	991
124-18-5	n-Decane	P	27.26	27.17	**27.27**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.46						-53	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.01						-53	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.14						-53	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200

Abbreviation	**Total Petroleum Hydrocarbons:**	**64605**	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	64605	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	64605	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081226-GCK		
Hexane Std Area:	293658		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.40	0.70	0.81	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	45.16	22.58	27.85	45.16	22.58	27.85	27.85
Propene	42.1	3	3.58	1.19	2.06	ND	ND	ND	0
Propane	44.1	3	17.93	5.98	10.80	17.93	5.98	10.80	10.80
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	8.91	2.23	5.30	8.91	2.23	5.30	5.30
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	1.23	0.15	0.72	ND	ND	ND	0
Toluene	92.1	7	4.15	0.59	2.24	4.15	0.59	2.24	2.24
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
I-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	82.36	13.7	48.5	82.36	13.73	48.49	48.49
Total Non-Methane Hydrocarbons-C1	16	1.0	82.36	82.4	54.0	82.36	82.36	54.00	54.00

SDG: **226144**
Laboratory Number: **45**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
27.85	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
10.80	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
5.30	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
2.24	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
48.49	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
54.00	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.4		1.40		
					0.0			0.00	
45.2						45.16			
					3.6		3.58		
17.9						17.93			
	0.0					0.00			
					0.0		0.00		
8.9						8.91			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
			0.0						0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
					0.0				0.00
	0.0					0.00			
		0.0							
			0.0						
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
					0.0				0.00
	1.2					1.23			
		4.1							
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
		0.0							

0.0		0.0				0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
72.0	1.2	4.1	0.0	5.0	0.0	73.2	5.0	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

4.15

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	4.1	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		45	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \quad \text{Ansamp} \quad \text{CDF} \quad 1000}{\text{(Avg RFn)} \quad \text{SV}} = \text{Cn}$

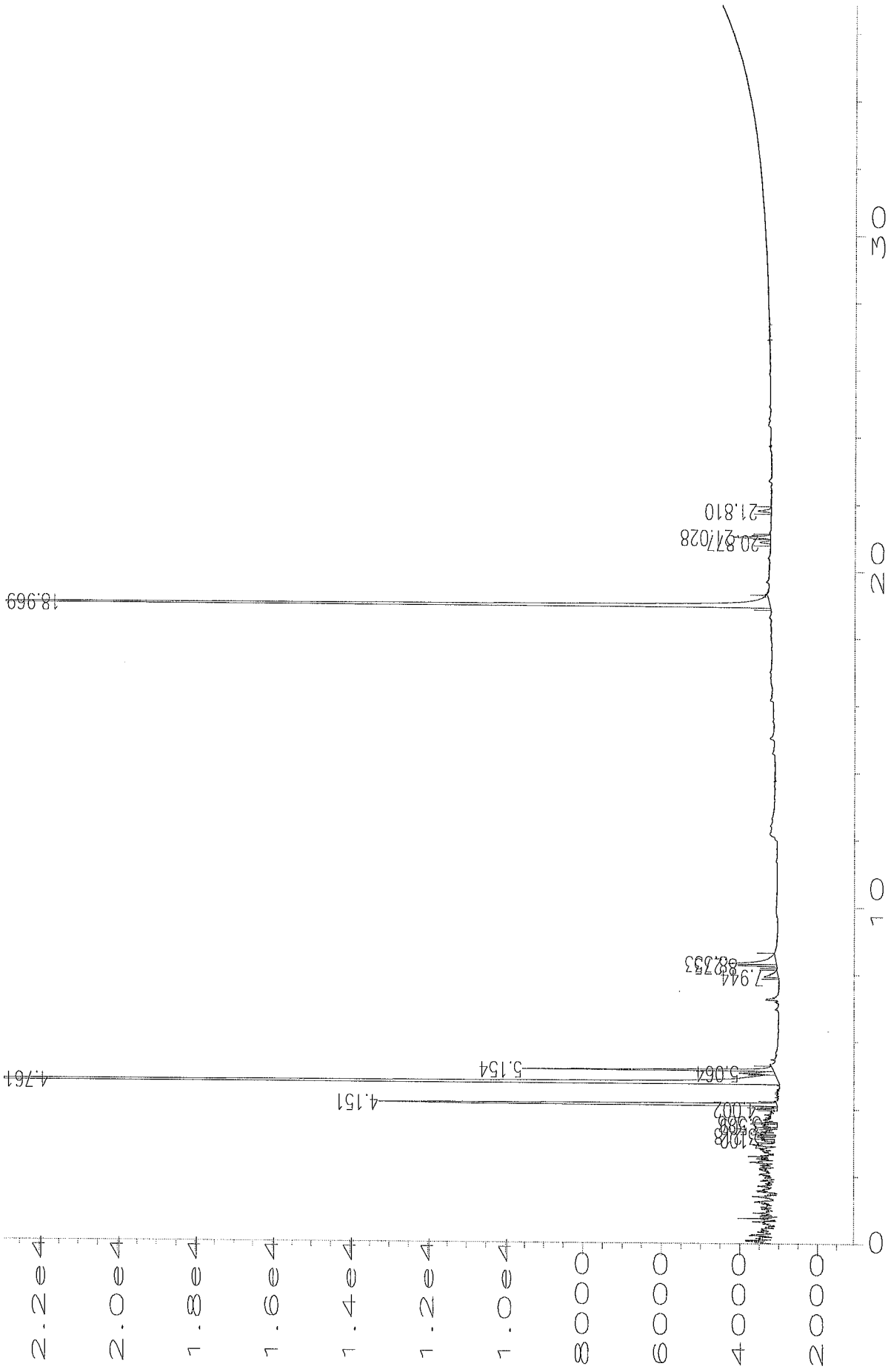
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \quad \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.63E+04	1102	1.4	0.70	0.81
Acetylene	2	TRG	26.0	1.63E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.63E+04	35426	45.2	22.58	27.85
Propene	3	TRG	42.1	1.63E+04	2809	3.6	1.19	2.06
Propane	3	TRG	44.1	1.63E+04	14065	17.9	5.98	10.80
i-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.63E+04	6986	8.9	2.23	5.30
t-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.63E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.63E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.63E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.63E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.63E+04	965	1.2	0.15	0.72
Toluene	7	TRG	92.1	1.63E+04	3252	4.1	0.59	2.24
2-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.63E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.63E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.63E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.63E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.63E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.63E+04	64605	82.4	13.73	48.49
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.63E+04	64605	82.4	82.36	54.00

C:\HPCHEM\1\DATA\08126K\26144445A.D



Sample Data Packages

SDG Number 226144
Lab Id Number 46

Client ID T-404

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Canister: 618
QC_Batch: 081226-GCK

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 08/12/2026 **Time:** 17:34
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	30.04	2.30	6.91	34.60	
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	5.64	2.47	7.40	6.96	J
115-07-1	Propene	1.33	4.00	8.35	2.30	6.90	14.40	
74-98-6	Propane	1.33	4.00	20.22	2.41	7.23	36.55	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	15.54	2.38	7.14	36.99	
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	9.06	2.37	7.10	26.80	
109-67-1	1-Pentene	0.80	2.40	2.63	2.30	6.90	7.54	
109-66-0	n-Pentane	0.80	2.40	1.63	2.36	7.09	4.80	J
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	0.91	2.36	7.07	3.20	J
96-14-0	3-Methylpentane	0.67	2.00	0.94	2.36	7.07	3.33	J
110-54-3	n-Hexane	0.67	2.00	1.28	2.36	7.07	4.52	J
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	1.21	2.13	6.40	3.89	J
110-82-7	Cyclohexane	0.67	2.00	2.24	2.30	6.90	7.74	
591-76-4	2-Methylhexane	0.57	1.71	0.80	2.35	7.04	3.29	J
565-59-3	2,3-Dimethylpentane	0.57	1.71	0.76	2.35	7.04	3.12	J
589-34-4	3-Methylhexane	0.57	1.71	1.23	2.35	7.04	5.03	J
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	6.53	2.34	7.02	30.58	
142-82-5	n-Heptane	0.57	1.71	0.95	2.35	7.04	3.89	J
108-87-2	Methylcyclohexane	0.57	1.71	2.47	2.30	6.90	9.94	
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	1.84	2.34	7.02	8.63	
108-88-3	Toluene	0.57	1.71	5.67	2.16	6.47	21.41	
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	1.20	2.34	7.02	5.63	J
100-41-4	Ethylbenzene	0.50	1.50	0.58	2.18	6.53	2.51	J

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	1.35	2.18	6.53	5.87	J
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	2.01	2.18	6.53	8.77	
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	0.62	2.19	6.57	3.05	J
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.37	2.19	6.57	6.77	
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.60	2.20	6.60	3.29	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	92.10	26.50	79.49	325.38	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	552.62	29.51	88.52	362.37	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **46**
File Name: **2614446A**
Sample ID: **T-404**
Sampled: **7/23/2026**
Received: **07/24/26**
Analyzed: **08/12/2026**
QCBatch: **081226-GCK**
Can: **618**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

B

Method:	TO-14FID	TO-14FID	
Not Detected Flag:	ND	TO-15FID	RT Win C2-C4 C5-C12
SF:	2	TO-3	RT 0.3 0.1
Instrument:	GCK	EPA 18M	RTI 3 3
Time: 9:04 Matrix	AA		
Time: 16:10 Chem	TRG		
Time: 17:34 MDL Fac:	1.0		
Unit Factor	1000	1000 for ppb 1 for ppm	
Hexane Area:	293658		
Hexane Concentration:	18.05		
Standard Volume:	1.00		
Standard ID:	ST62344		

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.04**	47138	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**	8851	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.11**	19644	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**	47595	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						131	351
106-98-9	1-Butene	P	7.29	7.29	**7.25**		I	I	H	367	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.28**	48750	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.69						200	410
590-18-1	c-2-Butene	P	9.63	9.57						200	431
78-78-4	i-Pentane	P	11.37	11.31	**11.35**	35520	I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.24	**12.26**	10297	I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.42**	**12.42**	6376	I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.73						164	510
627-20-3	c-2-Pentene	P	13.08	13.02						164	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.71	**13.74**	1411	I	I	H	536	537
287-92-3	Cyclopentane	P	14.88	14.82						164	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.00						164	570
107-83-5	2-Methylpentane	P	15.08	15.02	**15.03**	4261	I	I	H	571	571
96-14-0	3-Methylpentane	P	15.55	15.49	**15.52**	4441	I	I	H	584	583
110-54-3	n-Hexane	P	16.17	**16.11**	**16.12**	6017	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.81						98	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.00	**17.00**	2508	I	I	H	627	626
71-43-2	Benzene	P	17.87	**17.82**	**17.81**	5716	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.08	**18.08**	10556	I	O	M	661	658
591-76-4	2-Methylhexane	P	18.38	18.32	**18.33**	4403	I	I	H	669	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.39	**18.40**	4169	I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.60	**18.60**	6728	I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.03	**18.97**	41010	I	I	H	689	690
142-82-5	n-Heptane	P	19.41	19.35	**19.33**	5206	I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.03	**20.03**	13557	I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.87	**20.87**	11578	I	I	H	752	753
108-88-3	Toluene	P	21.12	**21.06**	**21.03**	31149	I	I	H	758	758
592-27-8	2-Methylheptane	P	21.33	21.24						40	768
589-81-1	3-Methylheptane	p	21.55	21.46						40	775
111-65-9	n-Octane	P	22.27	22.18	**22.26**	7555	I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.66	**23.64**	3614	I	I	H	855	855
108-38-3	m,p-xylene	P	23.95	23.86	**23.91**	8467	I	I	H	865	863
100-42-5	Styrene	P	24.40	24.31						-83	881
95-47-6	o-xylene	P	24.57	24.48	**24.56**	12638	I	O	M	891	886
111-84-2	n-Nonane	P	24.87	24.78	**24.78**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.27						-133	919
103-65-1	n-propylbenzene	P	25.93	25.84	**25.85**	1791	I	I	H	945	947
620-14-4	3-Ethyltoluene	P	26.17	26.08	**26.05**		I	O	M	953	957
622-96-8	4-Ethyltoluene	P	26.26	26.17						-133	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.36	**26.44**	1699	I	O	M	969	964
611-14-3	2-Ethyltoluene	P	26.61	26.52	**26.51**	4367	I	I	H	972	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	26.99	**26.94**	9696	I	I	H	990	991
124-18-5	n-Decane	P	27.26	27.17	**27.18**	2107	I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.46						-14	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.01	**27.96**	4693	I	O	M	1029	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.14						-14	1037
1120-21-4	Undecane	P	29.86	29.85	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.45	**32.46**		I	I	H	1200	1200

Abbreviation	**Total Petroleum Hydrocarbons:**	**433508**	TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	433508	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	433508	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081226-GCK		
Hexane Std Area:	293658		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	60.09	30.04	34.60	60.09	30.04	34.60	34.60
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	11.28	5.64	6.96	11.28	5.64	6.96	6.96
Propene	42.1	3	25.04	8.35	14.40	25.04	8.35	14.40	14.40
Propane	44.1	3	60.67	20.22	36.55	60.67	20.22	36.55	36.55
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	62.14	15.54	36.99	62.14	15.54	36.99	36.99
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	45.28	9.06	26.80	45.28	9.06	26.80	26.80
1-Pentene	70.1	5	13.13	2.63	7.54	13.13	2.63	7.54	7.54
n-Pentane	72.1	5	8.13	1.63	4.80	8.13	1.63	4.80	4.80
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	1.80	0.30	1.06	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	5.43	0.91	3.20	5.43	0.91	3.20	3.20
3-Methylpentane	86.2	6	5.66	0.94	3.33	5.66	0.94	3.33	3.33
n-Hexane	86.2	6	7.67	**1.28**	4.52	7.67	1.28	4.52	4.52
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	3.20	0.46	1.88	ND	ND	ND	0
Benzene	78.1	6	7.29	1.21	3.89	7.29	1.21	3.89	3.89
Cyclohexane	84.2	6	13.46	2.24	7.74	13.46	2.24	7.74	7.74
2-Methylhexane	100.2	7	5.61	0.80	3.29	5.61	0.80	3.29	3.29
2,3-Dimethylpentane	100.2	7	5.31	0.76	3.12	5.31	0.76	3.12	3.12
3-Methylhexane	100.2	7	8.58	1.23	5.03	8.58	1.23	5.03	5.03
2,2,4-Trimethylpentane	114.2	8	52.28	6.53	30.58	52.28	6.53	30.58	30.58
n-Heptane	100.2	7	6.64	0.95	3.89	6.64	0.95	3.89	3.89
Methylcyclohexane	98.2	7	17.28	2.47	9.94	17.28	2.47	9.94	9.94
2,3,4-Trimethylpentane	114.2	8	14.76	1.84	8.63	14.76	1.84	8.63	8.63
Toluene	92.1	7	39.71	5.67	21.41	39.71	5.67	21.41	21.41
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	9.63	1.20	5.63	9.63	1.20	5.63	5.63
Ethylbenzene	106.2	8	4.61	0.58	2.51	4.61	0.58	2.51	2.51

m,p-xylene	106.2	8	10.79	1.35	5.87	10.79	1.35	5.87	5.87
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	16.11	2.01	8.77	16.11	2.01	8.77	8.77
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	2.28	0.25	1.25	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	2.17	0.24	1.19	ND	ND	ND	0
2-Ethyltoluene	120.2	9	5.57	0.62	3.05	5.57	0.62	3.05	3.05
1,2,4-Trimethylbenzene	120.2	9	12.36	1.37	6.77	12.36	1.37	6.77	6.77
n-Decane	142.3	10	2.69	0.27	1.57	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	5.98	0.60	3.29	5.98	0.60	3.29	3.29
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	552.62	92.1	325.4	552.62	92.10	325.38	325.38
Total Non-Methane Hydrocarbons-C1	16	1.0	552.62	552.6	362.4	552.62	552.62	362.37	362.37

SDG: **226144**
Laboratory Number: **46**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
34.60	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0		=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
6.96	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	J	=		Y
14.40	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
36.55	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
36.99	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0		=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
26.80	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0		=		Y
7.54	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
4.80	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	J	=		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
3.20	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
3.33	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
4.52	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	J	=		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
3.89	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	J	=		Y
7.74	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0		=		Y
3.29	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
3.12	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
5.03	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
30.58	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
3.89	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	J	=		Y
9.94	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0		=		Y
8.63	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0		=		Y
21.41	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0		=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
5.63	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
2.51	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=		Y

5.87	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
8.77	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0		=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.05	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
6.77	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
3.29	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
325.38	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
362.37	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					60.1		60.09		
					0.0			0.00	
11.3						11.28			
					25.0		25.04		
60.7						60.67			
	0.0					0.00			
					0.0		0.00		
62.1						62.14			
					0.0		0.00		
					0.0		0.00		
	45.3					45.28			
					13.1		13.13		
8.1						8.13			
					0.0		0.00		
					0.0		0.00		
	1.8					1.80			
				0.0					0.00
	0.0					0.00			
	5.4					5.43			
	5.7					5.66			
7.7						7.67			
				0.0					0.00
	3.2					3.20			
		7.3							
				13.5		13.46			
	5.6					5.61			
	5.3					5.31			
	8.6					8.58			
	52.3					52.28			
6.6						6.64			
				17.3					17.28
	14.8					14.76			
		39.7							
	0.0					0.00			
	0.0					0.00			
9.6						9.63			
		4.6							

		10.8							
		0.0							
		16.1							
0.0						0.00			
		0.0							
		2.3							
		0.0							
		0.0							
		2.2							
		5.6							
		12.4							
2.7						2.69			
		0.0							
		6.0							
		0.0							
0.0						0.00			
0.0						0.00			
168.9	147.9	106.9	30.7	98.3	0.0	330.2	98.3	0.0	17.3

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

7.29

39.71

4.61

				10.79	
				0.00	
				16.11	
				0.00	
				2.28	
				0.00	
				0.00	
				2.17	
				5.57	
				12.36	
				0.00	
				5.98	
				0.00	
0.0	0.0	0.0	0.0	106.9	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		46	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.63E+04	47138	60.1	30.04	34.60
Acetylene	2	TRG	26.0	1.63E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.63E+04	8851	11.3	5.64	6.96
Propene	3	TRG	42.1	1.63E+04	19644	25.0	8.35	14.40
Propane	3	TRG	44.1	1.63E+04	47595	60.7	20.22	36.55
i-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.63E+04	48750	62.1	15.54	36.99
t-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.63E+04	35520	45.3	9.06	26.80
1-Pentene	5	TRG	70.1	1.63E+04	10297	13.1	2.63	7.54
n-Pentane	5	TRG	72.1	1.63E+04	6376	8.1	1.63	4.80
t-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.63E+04	1411	1.8	0.30	1.06
Cyclopentane	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.63E+04	4261	5.4	0.91	3.20
3-Methylpentane	6	TRG	86.2	1.63E+04	4441	5.7	0.94	3.33
n-Hexane	6	TRG	86.2	1.63E+04	6017	7.7	1.28	4.52
Methylcyclopentane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.63E+04	2508	3.2	0.46	1.88
Benzene	6	TRG	78.1	1.63E+04	5716	7.3	1.21	3.89
Cyclohexane	6	TRG	84.2	1.63E+04	10556	13.5	2.24	7.74
2-Methylhexane	7	TRG	100.2	1.63E+04	4403	5.6	0.80	3.29
2,3-Dimethylpentane	7	TRG	100.2	1.63E+04	4169	5.3	0.76	3.12
3-Methylhexane	7	TRG	100.2	1.63E+04	6728	8.6	1.23	5.03
2,2,4-Trimethylpentane	8	TRG	114.2	1.63E+04	41010	52.3	6.53	30.58
n-Heptane	7	TRG	100.2	1.63E+04	5206	6.6	0.95	3.89
Methylcyclohexane	7	TRG	98.2	1.63E+04	13557	17.3	2.47	9.94
2,3,4-Trimethylpentane	8	TRG	114.2	1.63E+04	11578	14.8	1.84	8.63
Toluene	7	TRG	92.1	1.63E+04	31149	39.7	5.67	21.41
2-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.63E+04	7555	9.6	1.20	5.63
Ethylbenzene	8	TRG	106.2	1.63E+04	3614	4.6	0.58	2.51

m,p-xylene	8	TRG	106.2	1.63E+04	8467	10.8	1.35	5.87
Styrene	8	TRG	104.2	1.63E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.63E+04	12638	16.1	2.01	8.77
n-Nonane	9	TRG	128.3	1.63E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.63E+04	1791	2.3	0.25	1.25
3-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.63E+04	1699	2.2	0.24	1.19
2-Ethyltoluene	9	TRG	120.2	1.63E+04	4367	5.6	0.62	3.05
1,2,4-Trimethylbenzene	9	TRG	120.2	1.63E+04	9696	12.4	1.37	6.77
n-Decane	10	TRG	142.3	1.63E+04	2107	2.7	0.27	1.57
1,2,3-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.63E+04	4693	6.0	0.60	3.29
1,4-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.63E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.63E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.63E+04	433508	552.6	92.10	325.38
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.63E+04	433508	552.6	552.62	362.37

Sample Data Packages

SDG Number **226144**

Lab Id Number **28**

Client ID T-214

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 28

File Name: C08036E.D
Description: T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	0.84	0.69	1.72	1.45	J
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	ND	0.92	2.76	ND	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	ND	4.76	5.71	ND	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC LCL	Limits UCL	Flag
2037-26-5	Toluene-d8	87	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	190.67	2.71	3.25	515.78	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 28

File Name: C08036E.D
Description T-214
Canister: 692
QC_Batch: 080326-MA1

Date Sampled: 7/21/2026 **Time:** 12:38
Date Analyzed: 8/3/2026 **Time:** 10:24
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
None	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	28		
File Name:	C08036E.D	**Method:**	TO-15	**Date Sampled:**	7/21/2026	**Time:**	12:38
Sample ID:	T-214	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:		**Detect:**	ND	**Date Analyzed:**	8/3/2026	**Time:**	10:24
Anal Date:	3 Aug 126 10:24 am	**SF:**	2	**QCbatch:**	080326-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	692		
Cal Update:	Fri Jul 31 13:17:56 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.084	1.69	42.00	44006
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.098	2.49	31.00	47182
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	48084
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	-4.548	1.91	85.00	29299
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	23166
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.131	3.39	46.00	15689
107-02-8	Acrolein	12	SA	0.000	3.75	56.00	0
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.000	4.13	58.00	0
67-63-0	2-propanol (isopropylalcohc	15	SA	0.032	3.99	45.00	36260
75-65-0	t-Butyl alcohol	16	SA	0.020	4.50	59.00	21754
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.042	4.96	53.00	13896
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.051	6.49	54.00	16217
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.000	6.49	78.00	0
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.041	8.92	91.00	65893
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.024	10.91	112.00	27321
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.037	11.00	131.00	15544
100-41-4	Ethylbenzene	74	SA	0.017	10.94	106	26425
1330-20-7	m,p-Xylenes	75	SA	0.029	11.15	91.00	37761
111-84-2	Nonane	76	SA	0.017	10.86	57.00	21839
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.018	11.80	91.00	23303
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.011	12.92	83.00	18199
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.017	12.83	91.00	37830
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.037	13.00	105.00	54334
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.016	13.12	105.00	25443
124-18-5	Decane	87	SA	0.011	12.85	57.00	22313
98-06-6	tert-butyl benzene	88	SA	0.010	13.61	119.00	15597
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.029	13.71	105.00	48212
538-93-2	i-Butylbenzene	90	SA	0.010	13.89	91.00	24983
135-98-8	sec-butylbenzene	91	SA	0.020	13.87	105.00	48212
541-73-1	1,3-Dichlorobenzene	92	SA	0.033	14.19	146.00	36759
99-87-6	Isopropyltoluene	93	SA	0.015	14.10	119.00	30230
100-44-7	Benzyl chloride	94	SA	0.016	13.31	91.00	20385

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.018	14.34	146.00	21937
104-51-8	n-Butylbenzene	96	SA	0.021	14.76	91.00	71981
95-50-1	1,2-Dichlorobenzene	97	SA	0.035	15.01	146.00	48271
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.043	16.27	75.00	22295
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.050	17.40	180.00	15459
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.063	17.42	180.00	15459
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	19.067	1.83	51.00	10153232
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6084333**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8859865**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7741178**
2037-26-5	Toluene-d8	61	SURR	2.177	8.85	98.00	**4341277**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 28
File Name: C08036E.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 692
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT
Sam Type: SA
Instrument: MA1
DETECT: ND
Matrix: AA
Type: SA
Diluton: 0.1000
Sig Figs: 2
MDLSF: 2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.08	0.84	1.45	0.84	1.45	1.45	1.45	0.100	0.250	0.40	0.69	1.00	1.72	J
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.10	0.98	1.28	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	-4.55	-45.48	-318.34	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.13	1.31	2.47	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	0.92	1.20	2.76	U
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	4.76	2.40	5.71	U
2-propanol (isopropylalcohol)	60.1	0.03	0.32	0.79	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.02	0.20	0.61	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.04	0.42	0.90	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.05	0.51	1.16	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.00	0.00	0.00	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.04	0.41	1.54	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.02	0.24	1.12	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.04	0.37	2.57	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.02	0.17	0.75	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.03	0.29	1.26	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.02	0.17	0.88	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.02	0.18	0.76	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.01	0.11	0.76	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.02	0.17	0.83	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.04	0.37	1.80	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.02	0.16	0.79	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.01	0.11	0.67	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.01	0.10	0.53	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.03	0.29	1.45	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.01	0.10	0.55	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.02	0.20	1.11	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.03	0.33	2.01	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.02	0.15	0.83	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.02	0.16	0.81	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.02	0.18	1.11	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.02	0.21	1.14	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.04	0.35	2.12	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.04	0.43	4.15	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.05	0.50	3.71	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.06	0.63	4.65	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	19.07	190.67	515.78	190.67	515.78	515.78	515.78	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.18	87	87	87	87	87	87	87	87	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
J		=		Y	0.84	1.45
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		
ND	ND	Y	0.00	0.00		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**28**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)\ (Cistdi)}{(Cstdni)\ (Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)\ (Cistdi)}{(Avg\ RFn)\ (Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

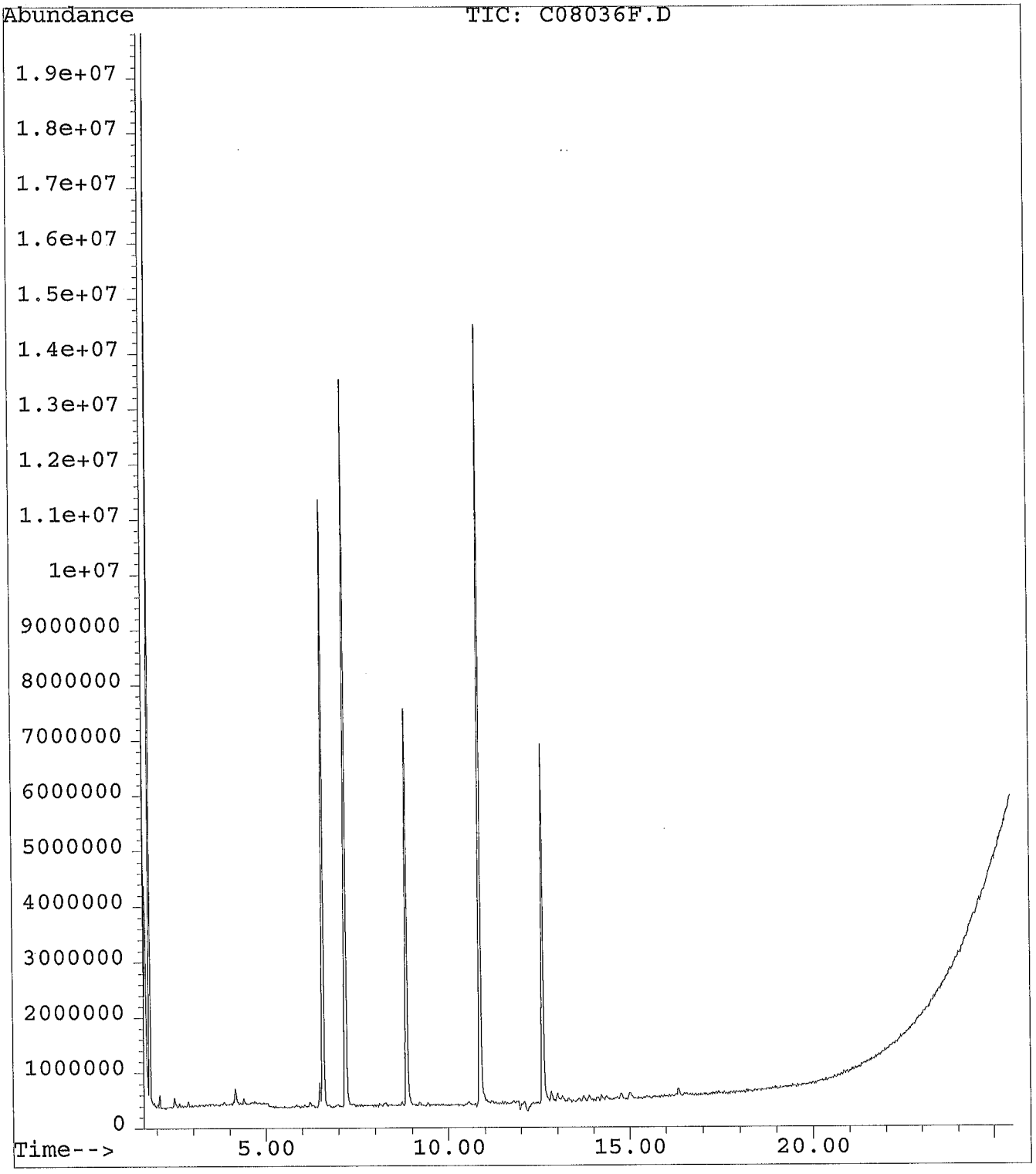
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi AIs	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	44006	20.0	6084333	0.084	0.84	1.45
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6084333	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	47182	20.0	6084333	0.098	0.98	1.28
5	Chloromethane	PFB	SA	50.5	0.699	48084	20.0	6084333	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	29299	20.0	6084333	-4.548	-45.48	-318.34
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6084333	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6084333	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	23166	20.0	6084333	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6084333	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	15689	20.0	6084333	0.131	1.31	2.47
12	Acrolein	PFB	SA	56.1	0.121	0	20.0	6084333	0.000	0.00	0.00
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6084333	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	0	20.0	6084333	0.000	0.00	0.00
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	36260	20.0	6084333	0.032	0.32	0.79
16	t-Butyl alcohol	PFB	SA	74.1	0.895	21754	20.0	6084333	0.020	0.20	0.61
17	Methyl Iodide	PFB	SA	142.9	0.305	0	20.0	6084333	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6084333	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	13896	20.0	6084333	0.042	0.42	0.90
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6084333	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6084333	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6084333	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6084333	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6084333	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6084333	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	16217	20.0	6084333	0.051	0.51	1.16
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6084333	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6084333	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6084333	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6084333	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6084333	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6084333	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6084333	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6084333	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6084333	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6084333	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6084333	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6084333	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6084333	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6084333	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6084333	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8859865	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8859865	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8859865	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8859865	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	0	20.0	8859865	0.000	0.00	0.00
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8859865	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8859865	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8859865	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	8859865	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8859865	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8859865	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8859865	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8859865	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8859865	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8859865	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8859865	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8859865	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	65893	20.0	8859865	0.041	0.41	1.54
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8859865	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8859865	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8859865	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	8859865	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8859865	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8859865	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8859865	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8859865	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8859865	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	27321	20.0	7741178	0.024	0.24	1.12
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	15544	20.0	7741178	0.037	0.37	2.57
74	Ethylbenzene	d5CB	SA	106.2	0.994	26425	20.0	7741178	0.017	0.17	0.75
75	m,p-Xylenes	d5CB	SA	106.2	0.842	37761	20.0	7741178	0.029	0.29	1.26
76	Nonane	d5CB	SA	128.3	0.844	21839	20.0	7741178	0.017	0.17	0.88
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7741178	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7741178	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	23303	20.0	7741178	0.018	0.18	0.76
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	18199	20.0	7741178	0.011	0.11	0.76
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7741178	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7741178	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	37830	20.0	7741178	0.017	0.17	0.83
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7741178	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	54334	20.0	7741178	0.037	0.37	1.80
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	25443	20.0	7741178	0.016	0.16	0.79
87	Decane	d5CB	SA	142.3	1.258	22313	20.0	7741178	0.011	0.11	0.67
88	tert-butyl benzene	d5CB	SA	134.2	1.036	15597	20.0	7741178	0.010	0.10	0.53
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	48212	20.0	7741178	0.029	0.29	1.45
90	i-Butylbenzene	d5CB	SA	134.2	1.625	24983	20.0	7741178	0.010	0.10	0.55

91	sec-butylbenzene	d5CB	SA	134.2	1.547	48212	20.0	7741178	0.020	0.20	1.11
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	36759	20.0	7741178	0.033	0.33	2.01
93	Isopropyltoluene	d5CB	SA	134.2	1.290	30230	20.0	7741178	0.015	0.15	0.83
94	Benzyl chloride	d5CB	SA	126.6	0.842	20385	20.0	7741178	0.016	0.16	0.81
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	21937	20.0	7741178	0.018	0.18	1.11
96	n-Butylbenzene	d5CB	SA	134.2	2.233	71981	20.0	7741178	0.021	0.21	1.14
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	48271	20.0	7741178	0.035	0.35	2.12
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	22295	20.0	7741178	0.043	0.43	4.15
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	15459	20.0	7741178	0.050	0.50	3.71
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7741178	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	15459	20.0	7741178	0.063	0.63	4.65
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7741178	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10153232	20.0	7741178	19.067	190.67	515.78
1	Pentafluorobenzene		IS			6084333	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8859865	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7741178	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4341277	5.0		2.177	87.07	87

File : C:\MSCHEM\1\DATA\08036B_3\C08036F.D
Operator : KL
Acquired : 3 Aug 126 10:59 am using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-314
Misc Info :
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **29**

Client ID T-301

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 29

File Name: 2614429A.D
Description: T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.01	0.69	1.72	3.47	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.82	2.62	3.15	3.70	
74-87-3	Chloromethane	0.60	1.00	0.97	1.24	2.07	2.01	J
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	33.54	3.78	24.24	63.32	
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	14.64	4.76	5.71	34.84	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.39	1.97	12.31	3.43	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	4.62	1.18	3.54	13.63	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.08	4.48	6.40	6.64	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.16	1.64	13.13	12.95	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 29

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	220.40	2.71	3.25	596.20	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 29

File Name: 2614429A.D
Description T-301
Canister: 659
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/11/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	29		
File Name:	2614429A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:23
Sample ID:	T-301	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	12:39
Anal Date:	11 Aug 126 12:39 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	659		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.201	1.69	42.00	71384
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.282	2.49	31.00	92521
74-87-3	Chloromethane	5	SA	0.097	2.03	50.00	56222
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	3.354	3.39	46.00	272890
107-02-8	Acrolein	12	SA	0.183	3.75	56.00	18329
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.464	4.13	58.00	244677
67-63-0	2-propanol (isopropylalcohc	15	SA	0.139	3.99	45.00	106772
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.462	6.18	72.00	72595
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.208	6.49	78.00	260903
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.316	10.50	58.00	224409
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.81	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.37	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	22.040	1.81	51.00	12029643
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4135604**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**6389884**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**7934652**
2037-26-5	Toluene-d8	61	SURR	2.518	8.85	98.00	**3621783**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 29
File Name: 2614429A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 659
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.20	2.01	3.47	2.01	3.47	3.47	3.47	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.28	2.82	3.70	2.82	3.70	3.70	3.70	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.10	0.97	2.01	0.97	2.01	2.01	2.01	0.150	0.250	0.60	1.24	1.00	2.07	J
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	3.35	33.54	63.32	33.54	63.32	63.32	63.32	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.18	1.83	4.20	1.83	4.20	4.20	4.20	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.46	14.64	34.84	14.64	34.84	34.84	34.84	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.14	1.39	3.43	1.39	3.43	3.43	3.43	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.46	4.62	13.63	4.62	13.63	13.63	13.63	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.21	2.08	6.64	2.08	6.64	6.64	6.64	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.32	3.16	12.95	3.16	12.95	12.95	12.95	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	22.04	220.40	596.20	220.40	596.20	596.20	596.20	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

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ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.01	3.47
ND		ND		Y	0.00	0.00
		=		Y	2.82	3.70
J		=		Y	0.97	2.01
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	33.54	63.32
		=		Y	1.83	4.20
ND		ND		Y	0.00	0.00
		=		Y	14.64	34.84
J		=		Y	1.39	3.43
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	4.62	13.63
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.08	6.64
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	3.16	12.95

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**29**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

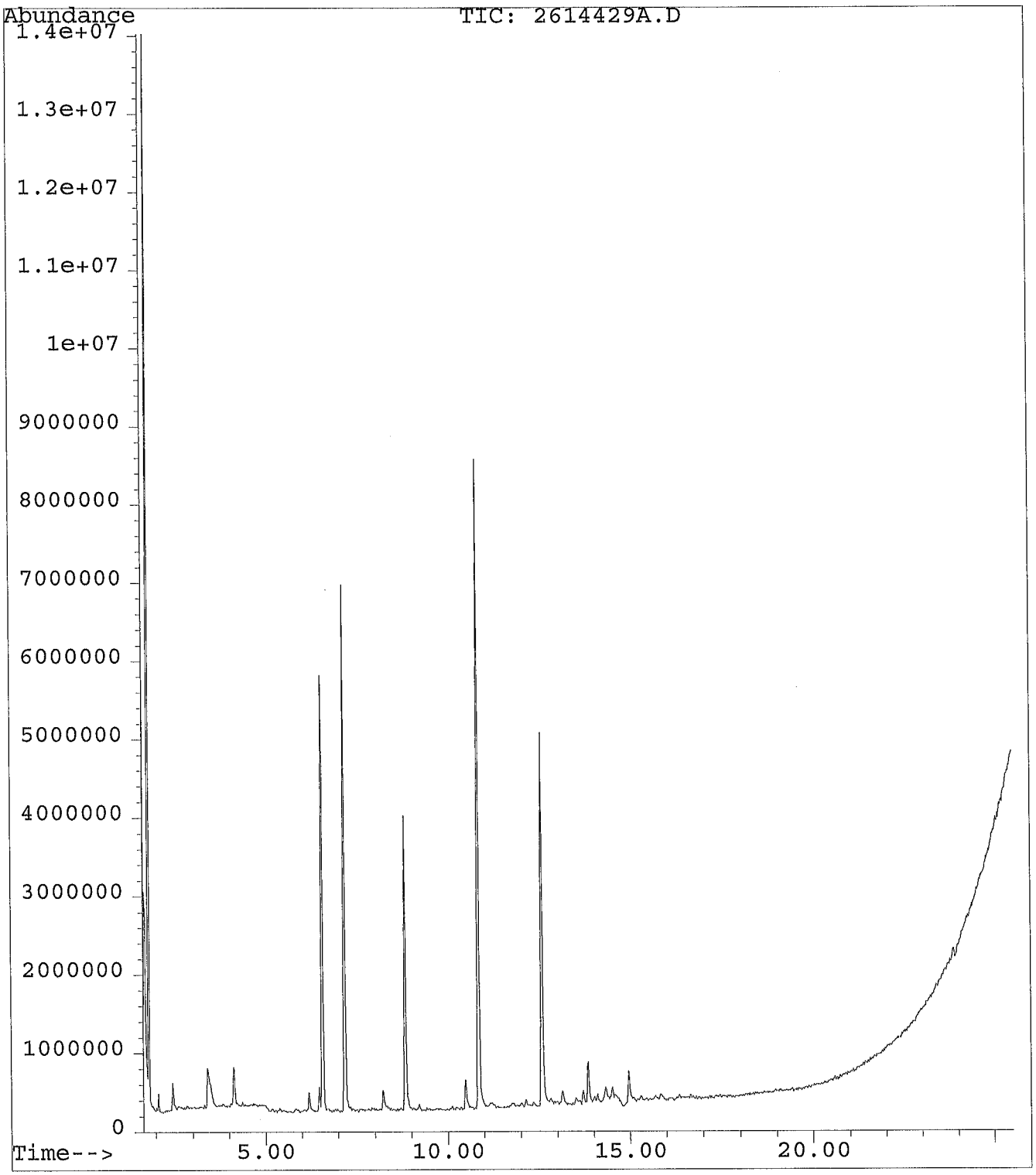
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	71384	20.0	4135604	0.201	2.01	3.47
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	4135604	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	92521	20.0	4135604	0.282	2.82	3.70
5	Chloromethane	PFB	SA	50.5	0.699	56222	20.0	4135604	0.097	0.97	2.01
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4135604	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4135604	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4135604	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4135604	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4135604	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	272890	20.0	4135604	3.354	33.54	63.32
12	Acrolein	PFB	SA	56.1	0.121	18329	20.0	4135604	0.183	1.83	4.20
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4135604	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	244677	20.0	4135604	1.464	14.64	34.84
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	106772	20.0	4135604	0.139	1.39	3.43
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4135604	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4135604	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4135604	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4135604	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4135604	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4135604	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4135604	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4135604	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4135604	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4135604	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4135604	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4135604	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4135604	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4135604	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	72595	20.0	4135604	0.462	4.62	13.63
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4135604	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	4135604	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4135604	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4135604	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4135604	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4135604	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4135604	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4135604	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4135604	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4135604	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4135604	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	6389884	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	6389884	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	6389884	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	6389884	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	260903	20.0	6389884	0.208	2.08	6.64
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	6389884	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	6389884	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	6389884	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	6389884	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	6389884	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	6389884	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	6389884	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	6389884	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	6389884	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	6389884	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	6389884	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	6389884	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	6389884	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	6389884	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	6389884	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	6389884	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	224409	20.0	6389884	0.316	3.16	12.95
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	6389884	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	6389884	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	6389884	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	6389884	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	6389884	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	7934652	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	7934652	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	7934652	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	7934652	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	7934652	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	7934652	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	7934652	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	7934652	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	7934652	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	7934652	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	7934652	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	7934652	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	7934652	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	7934652	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	7934652	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	7934652	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	7934652	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	7934652	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	7934652	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	7934652	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	7934652	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	7934652	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	7934652	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	7934652	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	7934652	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	7934652	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	7934652	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	7934652	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	7934652	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	7934652	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	7934652	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12029643	20.0	7934652	22.040	220.40	596.20
1	Pentafluorobenzene		IS			4135604	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			6389884	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			7934652	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3621783	5.0		2.518	100.72	101

File : C:\MSCHEM\1\DATA\08116B_3\2614429A.D
Operator : KL
Acquired : 11 Aug 126 12:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-301
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **30**

Client ID T-302

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 30

File Name: 2614430A.D
Description: T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.06	0.69	1.72	1.82	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	ND	1.24	2.07	ND	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.83	3.78	24.24	45.00	
107-02-8	Acrolein	0.40	1.20	0.99	0.92	2.76	2.28	J
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	6.00	4.76	5.71	14.27	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	ND	1.41	3.53	ND	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	95	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 30

File Name: 2614430A.D
Description T-302
Canister: 897
QC_Batch: 081126-MA1

Date Sampled: 7/22/2026 **Time:** 08:28
Date Analyzed: 8/11/2026 **Time:** 13:20
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	160.61	2.71	3.25	434.46	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 30

File Name: 2614430A.D **Date Sampled:** 7/22/2026 **Time:** 08:28
Description T-302 **Date Analyzed:** 8/11/2026 **Time:** 13:20
Canister: 897 **Can Dilution Factor:** 1.00
QC_Batch: 081126-MA1 **Air Volume:** 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	30		
File Name:	2614430A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:28
Sample ID:	T-302	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/11/2026	**Time:**	13:20
Anal Date:	11 Aug 126 1:20 pm	**SF:**	2	**QCbatch:**	081126-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	897		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.106	1.69	42.00	59968
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.200	2.49	31.00	104697
74-87-3	Chloromethane	5	SA	0.000	2.03	50.00	0
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.383	3.39	46.00	310257
107-02-8	Acrolein	12	SA	0.099	3.75	56.00	15887
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.600	4.13	58.00	160332
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.000	4.33	57.00	0
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.140	6.49	78.00	292459
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	16.061	1.83	51.00	11768230
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6615909**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10646920**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10651981**
2037-26-5	Toluene-d8	61	SURR	2.382	8.85	98.00	**5707649**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 30
File Name: 2614430A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 897
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.11	1.06	1.82	1.06	1.82	1.82	1.82	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.20	2.00	2.61	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	1.24	1.00	2.07	U
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.38	23.83	45.00	23.83	45.00	45.00	45.00	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.10	0.99	2.28	0.99	2.28	2.28	2.28	0.100	0.300	0.40	0.92	1.20	2.76	J
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.60	6.00	14.27	6.00	14.27	14.27	14.27	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0	0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0	0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0	0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.41	1.00	3.53	U
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0	0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0	0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.40	4.47	ND	ND	0	0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0	0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0	0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0	0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0	0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0	0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0	0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	16.06	160.61	434.46	160.61	434.46	434.46	434.46	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.38	95	95	95	95	95	95	95	95	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.06	1.82
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	23.83	45.00
J		=		Y	0.99	2.28
ND		ND		Y	0.00	0.00
		=		Y	6.00	14.27
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**30**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right| \left|\frac{(Cistdi)}{(Aistdi)}\right|$ Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

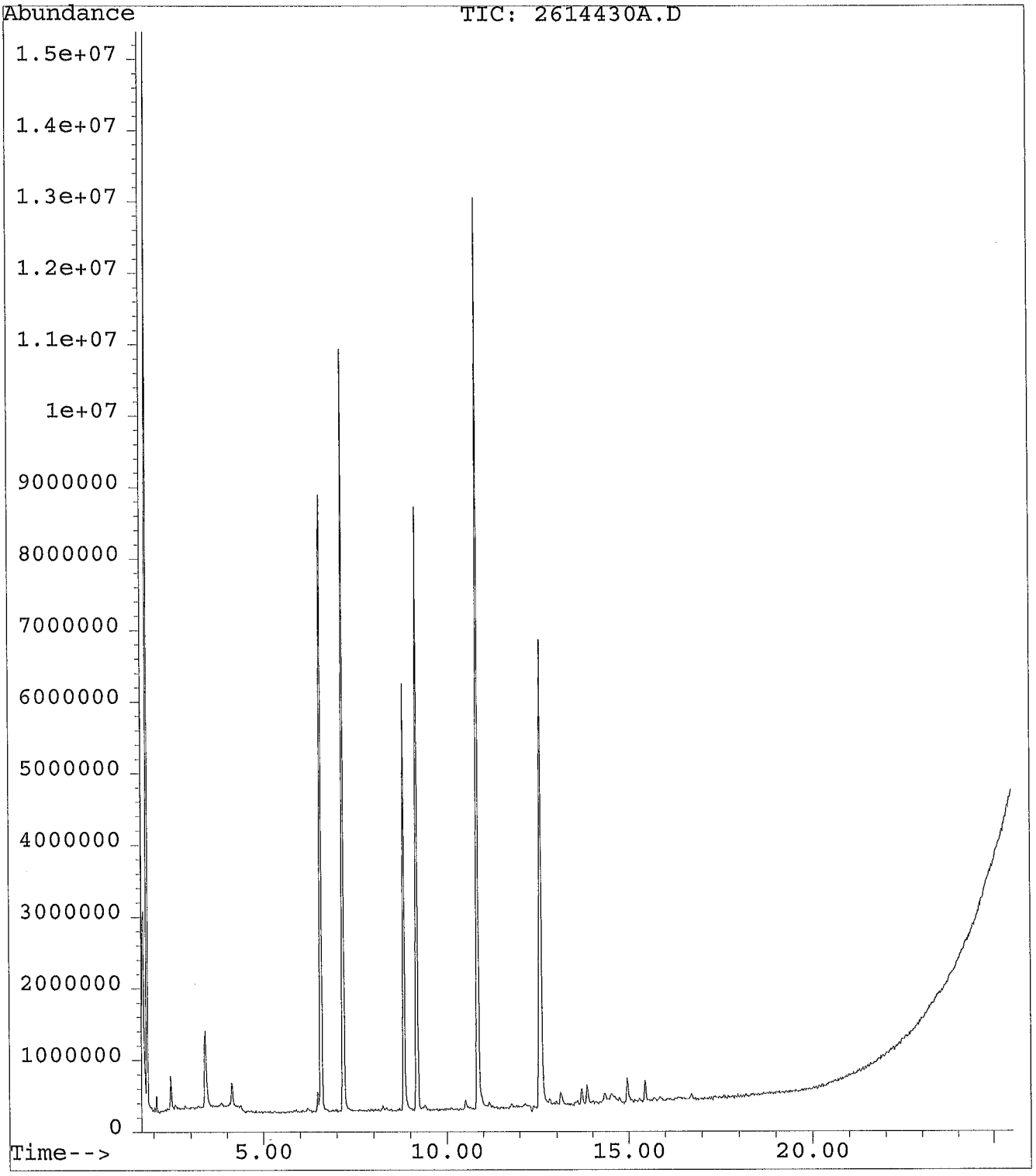
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	59968	20.0	6615909	0.106	1.06	1.82
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6615909	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	104697	20.0	6615909	0.200	2.00	2.61
5	Chloromethane	PFB	SA	50.5	0.699	0	20.0	6615909	0.000	0.00	0.00
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6615909	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6615909	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6615909	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6615909	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6615909	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	310257	20.0	6615909	2.383	23.83	45.00
12	Acrolein	PFB	SA	56.1	0.121	15887	20.0	6615909	0.099	0.99	2.28
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6615909	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	160332	20.0	6615909	0.600	6.00	14.27
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6615909	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6615909	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6615909	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6615909	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6615909	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6615909	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6615909	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6615909	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6615909	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6615909	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6615909	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6615909	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6615909	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6615909	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6615909	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6615909	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6615909	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	0	20.0	6615909	0.000	0.00	0.00
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6615909	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6615909	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6615909	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6615909	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6615909	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6615909	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6615909	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6615909	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6615909	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10646920	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10646920	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10646920	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10646920	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	292459	20.0	10646920	0.140	1.40	4.47
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10646920	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10646920	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10646920	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10646920	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10646920	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10646920	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10646920	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10646920	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10646920	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10646920	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10646920	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10646920	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10646920	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10646920	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10646920	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10646920	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	10646920	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10646920	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10646920	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10646920	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10646920	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10646920	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10651981	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10651981	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10651981	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10651981	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10651981	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10651981	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10651981	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10651981	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10651981	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10651981	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10651981	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10651981	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10651981	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10651981	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10651981	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10651981	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10651981	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10651981	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10651981	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10651981	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10651981	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10651981	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10651981	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10651981	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10651981	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10651981	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10651981	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10651981	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10651981	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10651981	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10651981	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11768230	20.0	10651981	16.061	160.61	434.46
1	Pentafluorobenzene		IS			6615909	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10646920	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10651981	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5707649	5.0		2.382	95.26	95

File : C:\MSCHEM\1\DATA\08116B_3\2614430A.D
Operator : KL
Acquired : 11 Aug 126 1:20 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-302
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **31**

Client ID T-303

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 31**

File Name: 2614431A.D **Date Sampled:** 7/22/2026 **Time:** 08:23
Description: T-303 **Date Analyzed:** 8/6/2026 **Time:** 19:39
Canister: 754 **Can Dilution Factor:** 1.00
QC_Batch: 080626-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.54	0.69	1.72	2.66	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	4.34	2.62	3.15	5.69	
74-87-3	Chloromethane	0.60	1.00	1.81	1.24	2.07	3.74	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	23.60	3.78	24.24	44.57	
107-02-8	Acrolein	0.40	1.20	2.64	0.92	2.76	6.07	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	8.74	4.76	5.71	20.79	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.39	1.18	3.54	4.12	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.66	1.41	3.53	5.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.67	4.48	6.40	5.33	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.50	1.64	13.13	6.14	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 31

File Name: 2614431A.D
Description T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	145.80	2.71	3.25	394.40	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 31

File Name: 2614431A.D
Description T-303
Canister: 754
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:23
Date Analyzed: 8/6/2026 **Time:** 19:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	31		
File Name:	2614431A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:23
Sample ID:	T-303	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	19:39
Anal Date:	6 Aug 126 7:39 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	754		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.154	1.69	42.00	80965
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	28365
67-56-1	Methanol	4	SA	0.434	2.49	31.00	210885
74-87-3	Chloromethane	5	SA	0.181	2.03	50.00	154838
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.360	3.39	46.00	284370
107-02-8	Acrolein	12	SA	0.264	3.75	56.00	39241
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.874	4.13	58.00	216206
67-63-0	2-propanol (isopropylalcohc	15	SA	0.079	3.99	45.00	90136
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.139	6.18	72.00	32479
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.166	4.33	57.00	216951
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.167	6.49	78.00	306131
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.150	10.50	58.00	155395
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.82	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.580	1.85	51.00	10102249
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6122765**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9331056**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10072915**
2037-26-5	Toluene-d8	61	SURR	2.457	8.85	98.00	**5159867**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 31
File Name: 2614431A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 754
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.15	1.54	2.66	1.54	2.66	2.66	2.66	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.43	4.34	5.69	4.34	5.69	5.69	5.69	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.18	1.81	3.74	1.81	3.74	3.74	3.74	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.36	23.60	44.57	23.60	44.57	44.57	44.57	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.26	2.64	6.07	2.64	6.07	6.07	6.07	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.87	8.74	20.79	8.74	20.79	20.79	20.79	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.08	0.79	1.95	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.14	1.39	4.12	1.39	4.12	4.12	4.12	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.17	1.66	5.87	1.66	5.87	5.87	5.87	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.17	1.67	5.33	1.67	5.33	5.33	5.33	0.350	0.500	1.40	4.48	2.00	6.40	J
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.15	1.50	6.14	1.50	6.14	6.14	6.14	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.58	145.80	394.40	145.80	394.40	394.40	394.40	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.54	2.66
ND		ND		Y	0.00	0.00
		=		Y	4.34	5.69
		=		Y	1.81	3.74
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	23.60	44.57
		=		Y	2.64	6.07
ND		ND		Y	0.00	0.00
		=		Y	8.74	20.79
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**31**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

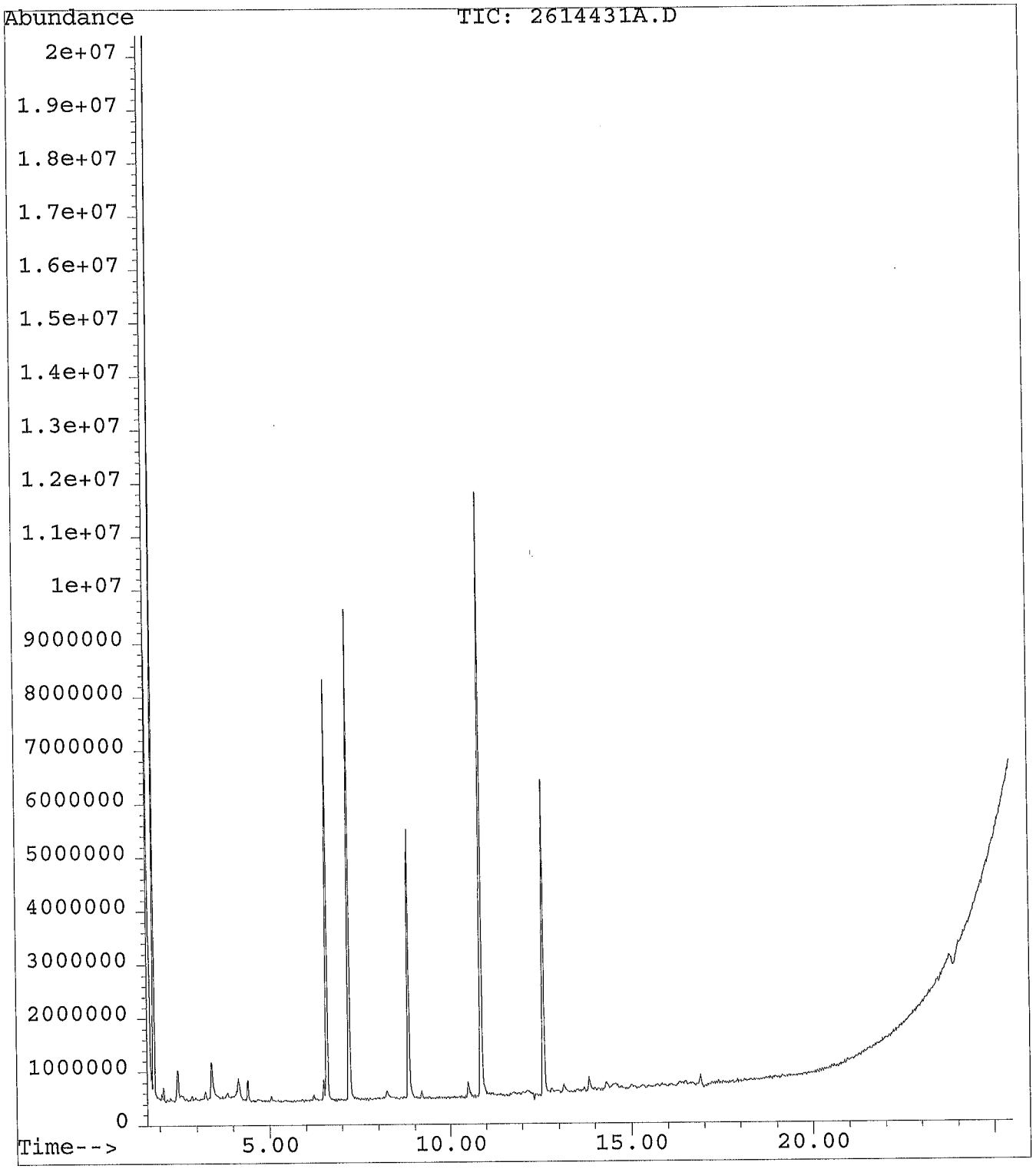
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	80965	20.0	6122765	0.154	1.54	2.66
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	28365	20.0	6122765	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	210885	20.0	6122765	0.434	4.34	5.69
5	Chloromethane	PFB	SA	50.5	0.699	154838	20.0	6122765	0.181	1.81	3.74
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6122765	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6122765	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6122765	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6122765	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6122765	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	284370	20.0	6122765	2.360	23.60	44.57
12	Acrolein	PFB	SA	56.1	0.121	39241	20.0	6122765	0.264	2.64	6.07
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6122765	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	216206	20.0	6122765	0.874	8.74	20.79
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	90136	20.0	6122765	0.079	0.79	1.95
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6122765	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6122765	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6122765	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6122765	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6122765	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6122765	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6122765	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6122765	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6122765	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6122765	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6122765	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6122765	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6122765	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6122765	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	32479	20.0	6122765	0.139	1.39	4.12
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6122765	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	216951	20.0	6122765	0.166	1.66	5.87
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6122765	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6122765	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6122765	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6122765	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6122765	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6122765	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6122765	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6122765	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6122765	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9331056	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	9331056	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9331056	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	9331056	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	306131	20.0	9331056	0.167	1.67	5.33
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9331056	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9331056	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	9331056	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	9331056	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9331056	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9331056	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9331056	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	9331056	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9331056	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9331056	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9331056	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9331056	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	9331056	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9331056	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9331056	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9331056	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	155395	20.0	9331056	0.150	1.50	6.14
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9331056	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9331056	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9331056	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9331056	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	9331056	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10072915	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10072915	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10072915	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10072915	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10072915	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10072915	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10072915	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10072915	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10072915	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10072915	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10072915	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10072915	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10072915	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10072915	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10072915	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10072915	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10072915	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10072915	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10072915	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10072915	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10072915	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10072915	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10072915	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10072915	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10072915	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10072915	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10072915	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10072915	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10072915	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10072915	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10072915	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10102249	20.0	10072915	14.580	145.80	394.40
1	Pentafluorobenzene		IS			6122765	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9331056	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10072915	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5159867	5.0		2.457	98.26	98

File : C:\MSCHEM\1\DATA\08066B_3\2614431A.D
Operator : SW
Acquired : 6 Aug 126 7:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-303
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **32**

Client ID T-304

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description: T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.50	0.69	1.72	2.58	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	2.42	2.62	3.15	3.17	
74-87-3	Chloromethane	0.60	1.00	1.21	1.24	2.07	2.50	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	5.03	3.78	24.24	9.50	J
107-02-8	Acrolein	0.40	1.20	1.83	0.92	2.76	4.20	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	13.30	4.76	5.71	31.65	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	3.56	1.18	3.54	10.52	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.02	1.41	3.53	3.61	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.36	1.64	13.13	13.79	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	100	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	133.44	2.71	3.25	360.96	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 32

File Name: 2614432A.D
Description T-304
Canister: 745
QC_Batch: 080626-MA1

Date Sampled: 7/22/2026 **Time:** 08:25
Date Analyzed: 8/6/2026 **Time:** 20:17
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	32		
File Name:	2614432A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	8:25
Sample ID:	T-304	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/6/2026	**Time:**	20:17
Anal Date:	6 Aug 126 8:17 pm	**SF:**	2	**QCbatch:**	080626-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	745		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.150	1.69	42.00	88145
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	27850
67-56-1	Methanol	4	SA	0.242	2.49	31.00	131548
74-87-3	Chloromethane	5	SA	0.121	2.03	50.00	115989
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.503	3.39	46.00	67926
107-02-8	Acrolein	12	SA	0.183	3.75	56.00	30400
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.330	4.13	58.00	368790
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.356	6.18	72.00	92977
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.102	4.33	57.00	149544
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.129	6.49	78.00	272856
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.336	10.50	58.00	402358
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.79	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.002	12.83	91.00	6514
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.344	1.85	51.00	9590523
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6862539**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**10757769**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10448350**
2037-26-5	Toluene-d8	61	SURR	2.498	8.85	98.00	**6049357**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS #####

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SDG: 226144
Laboratory Number: 32
File Name: 2614432A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 745
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR: PERCENT	
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.15	1.50	2.58	1.50	2.58	2.58	2.58	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.24	2.42	3.17	2.42	3.17	3.17	3.17	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.12	1.21	2.50	1.21	2.50	2.50	2.50	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.50	5.03	9.50	5.03	9.50	9.50	9.50	0.500	3.210	2.00	3.78	12.84	24.24	J
Acrolein	56.1	0.18	1.83	4.20	1.83	4.20	4.20	4.20	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.33	13.30	31.65	13.30	31.65	31.65	31.65	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.36	3.56	10.52	3.56	10.52	10.52	10.52	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.10	1.02	3.61	1.02	3.61	3.61	3.61	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.29	4.12	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.34	3.36	13.79	3.36	13.79	13.79	13.79	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.02	0.11	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.34	133.44	360.96	133.44	360.96	360.96	360.96	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.50	100	100	100	100	100	100	100	2.5	2.5	
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.50	2.58
ND		ND		Y	0.00	0.00
		=		Y	2.42	3.17
		=		Y	1.21	2.50
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
J		=		Y	5.03	9.50
		=		Y	1.83	4.20
ND		ND		Y	0.00	0.00
		=		Y	13.30	31.65
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	3.56	10.52
ND	ND	Y	0.00	0.00
	=	Y	1.02	3.61
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**32**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdnl) (Cistdi) / (Cstdnl) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

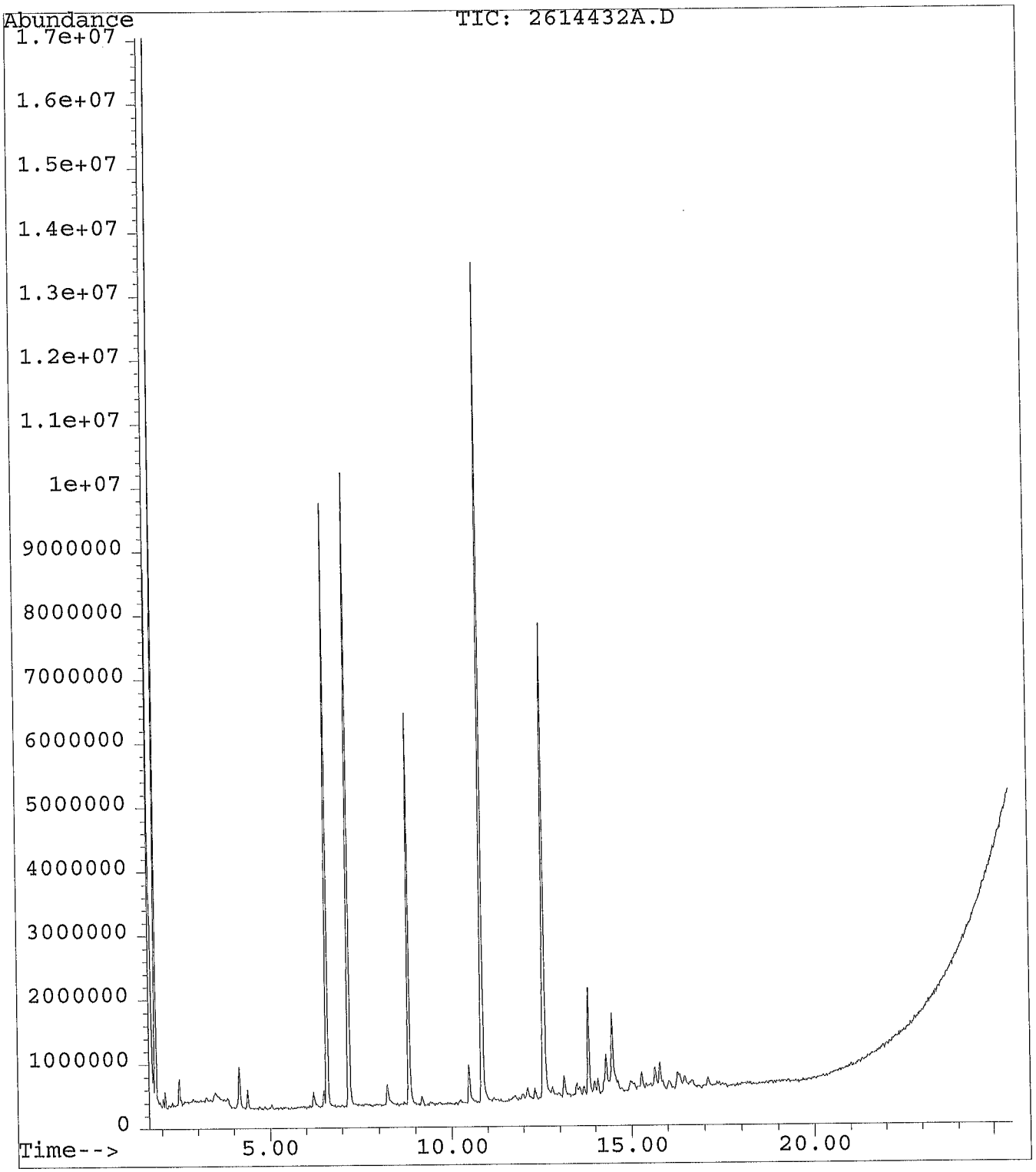
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	88145	20.0	6862539	0.150	1.50	2.58
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	27850	20.0	6862539	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	131548	20.0	6862539	0.242	2.42	3.17
5	Chloromethane	PFB	SA	50.5	0.699	115989	20.0	6862539	0.121	1.21	2.50
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6862539	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6862539	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6862539	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	6862539	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6862539	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	67926	20.0	6862539	0.503	5.03	9.50
12	Acrolein	PFB	SA	56.1	0.121	30400	20.0	6862539	0.183	1.83	4.20
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6862539	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	368790	20.0	6862539	1.330	13.30	31.65
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	6862539	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6862539	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	6862539	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6862539	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6862539	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6862539	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6862539	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6862539	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6862539	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6862539	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6862539	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6862539	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6862539	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6862539	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6862539	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	92977	20.0	6862539	0.356	3.56	10.52
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6862539	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	149544	20.0	6862539	0.102	1.02	3.61
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6862539	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6862539	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6862539	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6862539	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6862539	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6862539	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6862539	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6862539	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6862539	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	10757769	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	10757769	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	10757769	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	10757769	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	272856	20.0	10757769	0.129	1.29	4.12
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	10757769	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	10757769	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	10757769	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	10757769	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	10757769	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	10757769	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	10757769	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	10757769	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	10757769	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	10757769	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	10757769	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	10757769	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	10757769	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	10757769	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	10757769	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	10757769	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	402358	20.0	10757769	0.336	3.36	13.79
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	10757769	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	10757769	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	10757769	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	10757769	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	10757769	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10448350	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10448350	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	10448350	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	10448350	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10448350	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10448350	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10448350	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	10448350	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10448350	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10448350	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10448350	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	6514	20.0	10448350	0.002	0.02	0.11
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10448350	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10448350	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10448350	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10448350	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10448350	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10448350	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10448350	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10448350	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10448350	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10448350	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10448350	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10448350	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10448350	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10448350	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10448350	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10448350	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10448350	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10448350	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10448350	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9590523	20.0	10448350	13.344	133.44	360.96
1	Pentafluorobenzene		IS			6862539	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			10757769	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10448350	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6049357	5.0		2.498	99.92	100

File : C:\MSCHEM\1\DATA\08066B_3\2614432A.D
Operator : SW
Acquired : 6 Aug 126 8:17 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-304
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 33

Client ID T-305

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 33**

File Name: 2614433A.D
Description: T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.77	0.69	1.72	3.05	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.79	2.62	3.15	11.52	
74-87-3	Chloromethane	0.60	1.00	1.49	1.24	2.07	3.07	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	15.32	3.78	24.24	28.93	
107-02-8	Acrolein	0.40	1.20	2.39	0.92	2.76	5.50	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	18.06	4.76	5.71	42.98	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	ND	2.34	7.02	ND	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.75	1.18	3.54	19.93	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.12	1.41	3.53	3.95	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.88	1.64	13.13	15.92	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 33

File Name: 2614433A.D
Description T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	171.87	2.71	3.25	464.92	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 33

File Name: 2614433A.D
Description T-305
Canister: 741
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:58
Date Analyzed: 8/7/2026 **Time:** 12:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	33		
File Name:	2614433A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	9:58
Sample ID:	T-305	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	12:39
Anal Date:	7 Aug 126 12:39 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	741		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.177	1.69	42.00	75642
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	20455
67-56-1	Methanol	4	SA	0.879	2.49	31.00	347352
74-87-3	Chloromethane	5	SA	0.149	2.03	50.00	103457
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.532	3.39	46.00	150233
107-02-8	Acrolein	12	SA	0.239	3.75	56.00	28900
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.806	4.13	58.00	363736
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.000	3.51	142.00	0
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.675	6.18	72.00	127927
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.112	4.33	57.00	118737
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.130	6.49	78.00	187579
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.388	10.50	58.00	316142
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.80	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.187	1.81	51.00	9562906
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**4983142**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**7325067**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**8088705**
2037-26-5	Toluene-d8	61	SURR	2.411	8.85	98.00	**3976225**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 33
File Name: 2614433A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 741
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.18	1.77	3.05	1.77	3.05	3.05	3.05	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.88	8.79	11.52	8.79	11.52	11.52	11.52	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.15	1.49	3.07	1.49	3.07	3.07	3.07	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.53	15.32	28.93	15.32	28.93	28.93	28.93	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.24	2.39	5.50	2.39	5.50	5.50	5.50	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.81	18.06	42.98	18.06	42.98	42.98	42.98	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	2.34	1.20	7.02	U
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.68	6.75	19.93	6.75	19.93	19.93	19.93	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.11	1.12	3.95	1.12	3.95	3.95	3.95	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.30	4.16	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.39	3.88	15.92	3.88	15.92	15.92	15.92	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.19	171.87	464.92	171.87	464.92	464.92	464.92	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.41	96	96	96	96	96	96	96	96	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.77	3.05
ND		ND		Y	0.00	0.00
		=		Y	8.79	11.52
		=		Y	1.49	3.07
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	15.32	28.93
		=		Y	2.39	5.50
ND		ND		Y	0.00	0.00
		=		Y	18.06	42.98
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**33**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

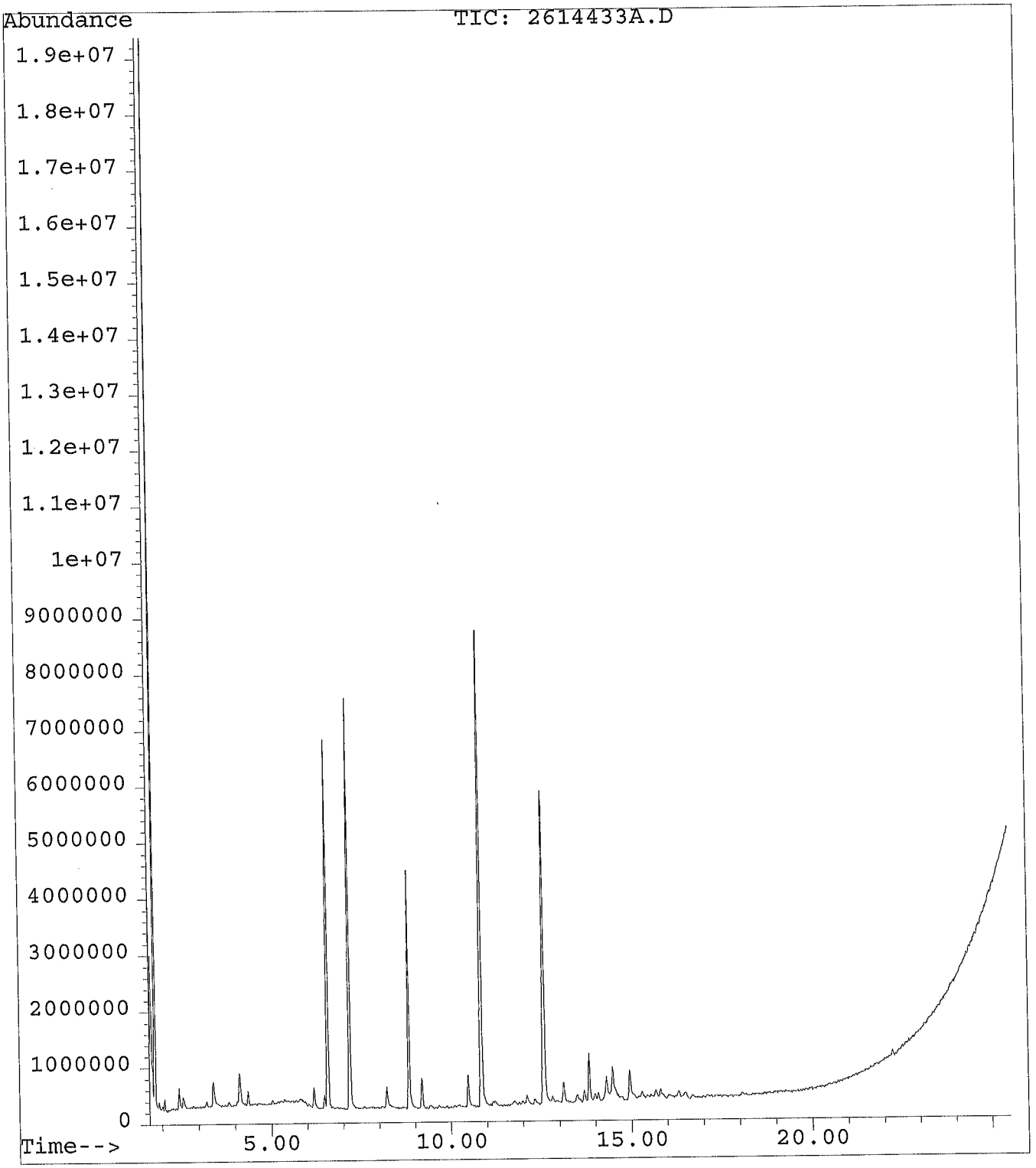
4) Amount ug/m3 = (amt(ppbv) × MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	75642	20.0	4983142	0.177	1.77	3.05
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	20455	20.0	4983142	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	347352	20.0	4983142	0.879	8.79	11.52
5	Chloromethane	PFB	SA	50.5	0.699	103457	20.0	4983142	0.149	1.49	3.07
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	4983142	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	4983142	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	4983142	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	4983142	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	4983142	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	150233	20.0	4983142	1.532	15.32	28.93
12	Acrolein	PFB	SA	56.1	0.121	28900	20.0	4983142	0.239	2.39	5.50
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	4983142	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	363736	20.0	4983142	1.806	18.06	42.98
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	4983142	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	4983142	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	0	20.0	4983142	0.000	0.00	0.00
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	4983142	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	4983142	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	4983142	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	4983142	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	4983142	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	4983142	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	4983142	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	4983142	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	4983142	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	4983142	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	4983142	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	4983142	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	127927	20.0	4983142	0.675	6.75	19.93
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	4983142	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	118737	20.0	4983142	0.112	1.12	3.95
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	4983142	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	4983142	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	4983142	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	4983142	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	4983142	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	4983142	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	4983142	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	4983142	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	4983142	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	7325067	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	7325067	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	7325067	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	7325067	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	187579	20.0	7325067	0.130	1.30	4.16
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	7325067	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	7325067	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	7325067	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	7325067	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	7325067	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	7325067	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	7325067	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	7325067	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	7325067	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	7325067	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	7325067	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	7325067	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	7325067	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	7325067	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	7325067	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	7325067	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	316142	20.0	7325067	0.388	3.88	15.92
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	7325067	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	7325067	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	7325067	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	7325067	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	7325067	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	8088705	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	8088705	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	8088705	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	8088705	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	8088705	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	8088705	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	8088705	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	8088705	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	8088705	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	8088705	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	8088705	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	8088705	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	8088705	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	8088705	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	8088705	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	8088705	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	8088705	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	8088705	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	8088705	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	8088705	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	8088705	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	8088705	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	8088705	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	8088705	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	8088705	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	8088705	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	8088705	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	8088705	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	8088705	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	8088705	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	8088705	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	9562906	20.0	8088705	17.187	171.87	464.92
1	Pentafluorobenzene		IS			4983142	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			7325067	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			8088705	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			3976225	5.0		2.411	96.46	96

File : C:\MSCHEM\1\DATA\08076B_3\2614433A.D
Operator : KL
Acquired : 7 Aug 126 12:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-305
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **34**

Client ID T-306

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 34

File Name: 2614434A.D
Description: T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 Time: 10:01
Date Analyzed: 8/7/2026 Time: 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.75	0.69	1.72	8.19	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	31.97	2.62	3.15	41.90	
74-87-3	Chloromethane	0.60	1.00	3.51	1.24	2.07	7.26	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	3.25	1.55	3.89	12.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	14.45	3.78	24.24	27.29	
107-02-8	Acrolein	0.40	1.20	7.08	0.92	2.76	16.26	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	73.71	4.76	5.71	175.40	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	2.81	1.97	12.31	6.92	J
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	2.00	2.34	7.02	11.68	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	1.46	1.25	3.12	4.55	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	16.37	1.18	3.54	48.35	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.06	1.41	3.53	3.75	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	2.03	0.98	4.89	9.94	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	8.89	1.64	13.13	36.49	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	1.04	1.74	4.35	4.54	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	1.68	2.10	10.50	8.83	J
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	97	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	172.22	2.71	3.25	465.86	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 34

File Name: 2614434A.D
Description T-306
Canister: 708
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 13:19
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
2-HEPTANONE, 6-METHYL-	7.00	15.00	24.90	28.67	61.43	101.98
1-HEXANOL, 2-ETHYL-	7.00	15.00	19.50	28.67	61.43	79.86

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	34		
File Name:	2614434A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	10:01
Sample ID:	T-306	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	13:19
Anal Date:	7 Aug 126 1:19 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	708		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	KL	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.475	1.69	42.00	245704
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	16995
67-56-1	Methanol	4	SA	3.197	2.49	31.00	1527278
74-87-3	Chloromethane	5	SA	0.351	2.03	50.00	295248
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.325	2.44	94.00	129633
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	1.445	3.39	46.00	171280
107-02-8	Acrolein	12	SA	0.708	3.75	56.00	103391
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	7.371	4.13	58.00	1794058
67-63-0	2-propanol (isopropylalcohc	15	SA	0.281	3.99	45.00	313940
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.200	3.51	142.00	20624
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.146	3.45	76.00	110231
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	1.637	6.18	72.00	375038
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.106	4.33	57.00	136218
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.203	5.83	83.00	**144867**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.131	6.49	78.00	219019
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.004	6.49	71.00	2072
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.889	10.50	58.00	840955
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.104	11.15	91.00	162323
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.168	17.95	128.00	136757
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	17.222	1.81	51.00	10947345
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6023074**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**8498655**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**9241146**
2037-26-5	Toluene-d8	61	SURR	2.437	8.85	98.00	**4661384**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 34
File Name: 2614434A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 708
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.48	4.75	8.19	4.75	8.19	8.19	8.19	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	3.20	31.97	41.90	31.97	41.90	41.90	41.90	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.35	3.51	7.26	3.51	7.26	7.26	7.26	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.33	3.25	12.65	3.25	12.65	12.65	12.65	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	1.45	14.45	27.29	14.45	27.29	27.29	27.29	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.71	7.08	16.26	7.08	16.26	16.26	16.26	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	7.37	73.71	175.40	73.71	175.40	175.40	175.40	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.28	2.81	6.92	2.81	6.92	6.92	6.92	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	2.00	11.68	2.00	11.68	11.68	11.68	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.15	1.46	4.55	1.46	4.55	4.55	4.55	0.100	0.250	0.40	1.25	1.00	3.12	

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	1.64	16.37	48.35	16.37	48.35	48.35	48.35	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.11	1.06	3.75	1.06	3.75	3.75	3.75	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.20	2.03	9.94	2.03	9.94	9.94	9.94	0.050	0.250	0.20	0.98	1.00	4.89	
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.13	1.31	4.19	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.04	0.16	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.89	8.89	36.49	8.89	36.49	36.49	36.49	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.10	1.04	4.54	1.04	4.54	4.54	4.54	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.17	1.68	8.83	1.68	8.83	8.83	8.83	0.100	0.500	0.40	2.10	2.00	10.50	J
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	17.22	172.22	465.86	172.22	465.86	465.86	465.86	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.44	97	97	97	97	97	97	97	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.75	8.19
ND		ND		Y	0.00	0.00
		=		Y	31.97	41.90
		=		Y	3.51	7.26
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.25	12.65
ND		ND		Y	0.00	0.00
		=		Y	14.45	27.29
		=		Y	7.08	16.26
ND		ND		Y	0.00	0.00
		=		Y	73.71	175.40
J		=		Y	2.81	6.92
ND		ND		Y	0.00	0.00
		=		Y	2.00	11.68
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.46	4.55

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**34**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = Cn

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000\ (CDF)}{(SV)}$

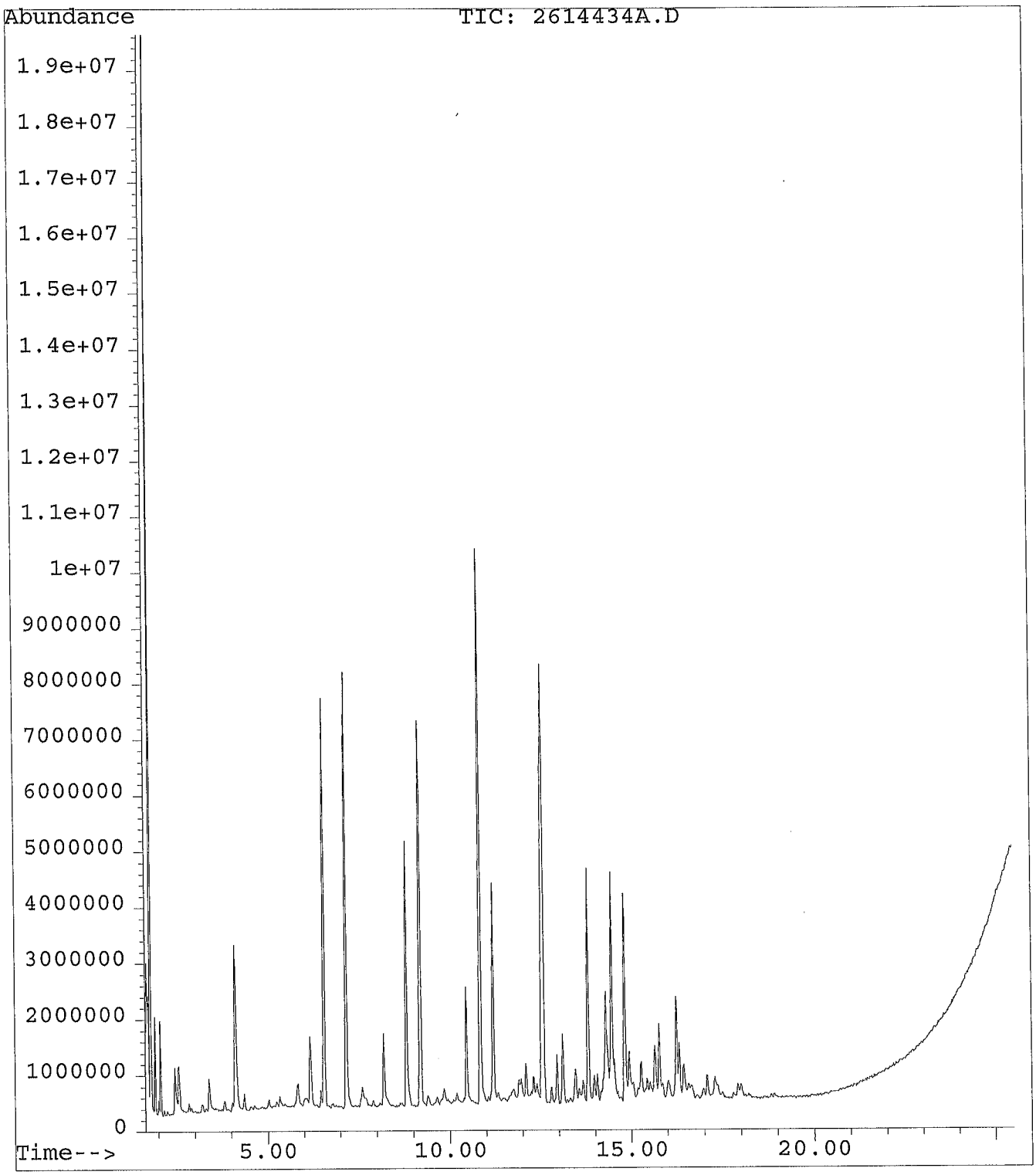
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	Cn ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	245704	20.0	6023074	0.475	4.75	8.19
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	16995	20.0	6023074	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	1527278	20.0	6023074	3.197	31.97	41.90
5	Chloromethane	PFB	SA	50.5	0.699	295248	20.0	6023074	0.351	3.51	7.26
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6023074	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6023074	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6023074	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	129633	20.0	6023074	0.325	3.25	12.65
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	6023074	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	171280	20.0	6023074	1.445	14.45	27.29
12	Acrolein	PFB	SA	56.1	0.121	103391	20.0	6023074	0.708	7.08	16.26
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6023074	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	1794058	20.0	6023074	7.371	73.71	175.40
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	313940	20.0	6023074	0.281	2.81	6.92
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	6023074	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	20624	20.0	6023074	0.200	2.00	11.68
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6023074	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6023074	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6023074	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6023074	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6023074	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	110231	20.0	6023074	0.146	1.46	4.55
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	6023074	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6023074	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6023074	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6023074	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6023074	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6023074	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	375038	20.0	6023074	1.637	16.37	48.35
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6023074	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	136218	20.0	6023074	0.106	1.06	3.75
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6023074	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6023074	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6023074	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6023074	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6023074	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6023074	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	6023074	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6023074	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	144867	20.0	6023074	0.203	2.03	9.94
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	8498655	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	8498655	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	8498655	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	8498655	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	219019	20.0	8498655	0.131	1.31	4.19
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	8498655	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	8498655	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	8498655	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	2072	20.0	8498655	0.004	0.04	0.16
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	8498655	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	8498655	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	8498655	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	8498655	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	8498655	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	8498655	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	8498655	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	8498655	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	8498655	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	8498655	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	8498655	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	8498655	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	840955	20.0	8498655	0.889	8.89	36.49
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	8498655	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	8498655	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	8498655	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	8498655	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	8498655	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	9241146	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	9241146	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	9241146	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	162323	20.0	9241146	0.104	1.04	4.54
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	9241146	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	9241146	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	9241146	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	9241146	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	9241146	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	9241146	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	9241146	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	9241146	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	9241146	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	9241146	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	9241146	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	9241146	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	9241146	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	9241146	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	9241146	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	9241146	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	9241146	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	9241146	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	9241146	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	9241146	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	9241146	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	9241146	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	9241146	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	9241146	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	136757	20.0	9241146	0.168	1.68	8.83
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	9241146	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	9241146	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10947345	20.0	9241146	17.222	172.22	465.86
1	Pentafluorobenzene		IS			6023074	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			8498655	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			9241146	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			4661384	5.0		2.437	97.47	97

File : C:\MSCHEM\1\DATA\08076B_3\2614434A.D
Operator : KL
Acquired : 7 Aug 126 1:19 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-306
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **35**

Client ID T-307

Analytical Method TO-15

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Analytical Report
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 35

File Name: 2614435B.D
Description: T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	4.90	0.69	1.72	8.44	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	8.50	2.62	3.15	11.14	
74-87-3	Chloromethane	0.60	1.00	1.36	1.24	2.07	2.81	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	26.49	3.78	24.24	50.02	
107-02-8	Acrolein	0.40	1.20	2.79	0.92	2.76	6.40	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.82	4.76	5.71	23.37	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl Iodide	0.40	1.20	1.99	2.34	7.02	11.65	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	1.60	1.18	3.54	4.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.78	1.41	3.53	2.77	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	0.84	0.98	4.89	4.13	J
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	96	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 35

File Name: 2614435B.D
Description T-307
Canister: 698
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 10:01
Date Analyzed: 8/7/2026 **Time:** 16:28
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	147.76	2.71	3.25	399.70	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15 **Laboratory ID:** 35

File Name: 2614435B.D **Date Sampled:** 7/22/2026 **Time:** 10:01
Description T-307 **Date Analyzed:** 8/7/2026 **Time:** 16:28
Canister: 698 **Can Dilution Factor:** 1.00
QC_Batch: 080726-MA1 **Air Volume:** 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
PROPANE, 2-METHYL	7.00	15.00	12.00	28.67	61.43	49.15

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	35		
File Name:	2614435B.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	10:01
Sample ID:	T-307	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	16:28
Anal Date:	7 Aug 126 4:28 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	698		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.490	1.69	42.00	347357
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	35598
67-56-1	Methanol	4	SA	0.850	2.49	31.00	557039
74-87-3	Chloromethane	5	SA	0.136	2.03	50.00	156826
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	2.649	3.39	46.00	430734
107-02-8	Acrolein	12	SA	0.279	3.75	56.00	55831
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.982	4.13	58.00	327877
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.199	3.51	142.00	27852
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.160	6.18	72.00	50240
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.078	4.33	57.00	138090
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.084	5.83	83.00	**82545**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.117	6.49	78.00	282604
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.77	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	17.33	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.776	1.85	51.00	12910457
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**8262630**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**12230847**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**12702081**
2037-26-5	Toluene-d8	61	SURR	2.389	8.85	98.00	**6576008**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 35
File Name: 2614435B.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 698
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.49	4.90	8.44	4.90	8.44	8.44	8.44	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.85	8.50	11.14	8.50	11.14	11.14	11.14	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	0.14	1.36	2.81	1.36	2.81	2.81	2.81	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	2.65	26.49	50.02	26.49	50.02	50.02	50.02	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.28	2.79	6.40	2.79	6.40	6.40	6.40	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.98	9.82	23.37	9.82	23.37	23.37	23.37	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.20	1.99	11.65	1.99	11.65	11.65	11.65	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.16	1.60	4.72	1.60	4.72	4.72	4.72	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.08	0.78	2.77	0.78	2.77	2.77	2.77	0.100	0.250	0.40	1.41	1.00	3.53	J
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.08	0.84	4.13	0.84	4.13	4.13	4.13	0.050	0.250	0.20	0.98	1.00	4.89	J
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.12	1.17	3.76	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.78	147.76	399.70	147.76	399.70	399.70	399.70	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.39	96	96	96	96	96	96	96	96	2.5	2.5
0											
0											
0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	4.90	8.44
ND		ND		Y	0.00	0.00
		=		Y	8.50	11.14
		=		Y	1.36	2.81
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	26.49	50.02
		=		Y	2.79	6.40
ND		ND		Y	0.00	0.00
		=		Y	9.82	23.37
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.99	11.65
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

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SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**35**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

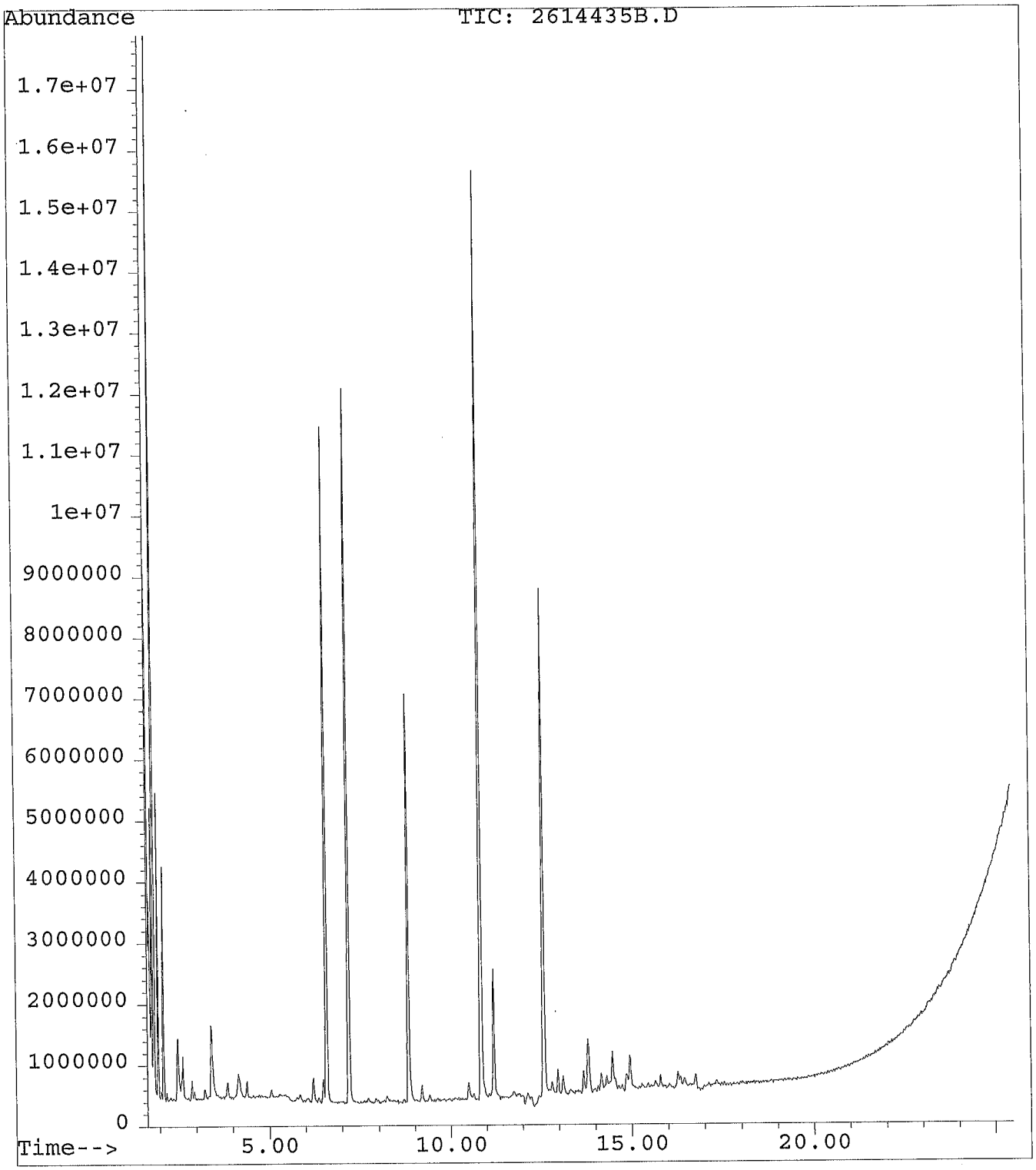
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	347357	20.0	8262630	0.490	4.90	8.44
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	35598	20.0	8262630	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	557039	20.0	8262630	0.850	8.50	11.14
5	Chloromethane	PFB	SA	50.5	0.699	156826	20.0	8262630	0.136	1.36	2.81
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	8262630	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	8262630	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	8262630	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	8262630	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	8262630	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	430734	20.0	8262630	2.649	26.49	50.02
12	Acrolein	PFB	SA	56.1	0.121	55831	20.0	8262630	0.279	2.79	6.40
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	8262630	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	327877	20.0	8262630	0.982	9.82	23.37
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	8262630	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	8262630	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	27852	20.0	8262630	0.199	1.99	11.65
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	8262630	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	8262630	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	8262630	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	8262630	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	8262630	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	8262630	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	8262630	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	8262630	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	8262630	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	8262630	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	8262630	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	8262630	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	50240	20.0	8262630	0.160	1.60	4.72
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	8262630	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	138090	20.0	8262630	0.078	0.78	2.77
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	8262630	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	8262630	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	8262630	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	8262630	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	8262630	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	8262630	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	8262630	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	8262630	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	82545	20.0	8262630	0.084	0.84	4.13
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	12230847	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	12230847	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	12230847	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	12230847	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	282604	20.0	12230847	0.117	1.17	3.76
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	12230847	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	12230847	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	12230847	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	12230847	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	12230847	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	12230847	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	12230847	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	12230847	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	12230847	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	12230847	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	12230847	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	12230847	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	12230847	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	12230847	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	12230847	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	12230847	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	12230847	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	12230847	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	12230847	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	12230847	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	12230847	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	12230847	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	12702081	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	12702081	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	12702081	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	12702081	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	12702081	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	12702081	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	12702081	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	12702081	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	12702081	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	12702081	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	12702081	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	12702081	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	12702081	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	12702081	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	12702081	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	12702081	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	12702081	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	12702081	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	12702081	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	12702081	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	12702081	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	12702081	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	12702081	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	12702081	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	12702081	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	12702081	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	12702081	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	12702081	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	12702081	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	12702081	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	12702081	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	12910457	20.0	12702081	14.776	147.76	399.70
1	Pentafluorobenzene		IS			8262630	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			12230847	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			12702081	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6576008	5.0		2.389	95.54	96

File : C:\MSCHEM\1\DATA\08076B_3\2614435B.D
Operator : SW
Acquired : 7 Aug 126 4:28 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-307
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 36

Client ID T-308

Analytical Method TO-15

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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 36**

File Name: 2614436B.D **Date Sampled:** 7/22/2026 **Time:** 09:59
Description: T-308 **Date Analyzed:** 8/7/2026 **Time:** 17:03
Canister: **Can Dilution Factor:** 1.00
QC_Batch: 080726-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	179.83	0.69	1.72	309.91	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	26.00	2.62	3.15	34.07	
74-87-3	Chloromethane	0.60	1.00	11.85	1.24	2.07	24.51	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	4.57	1.55	3.89	17.77	
75-00-3	Chloroethane	0.40	1.00	19.50	1.06	2.64	51.51	
64-17-5	Ethanol	2.00	12.84	38.73	3.78	24.24	73.13	
107-02-8	Acrolein	0.40	1.20	77.37	0.92	2.76	177.77	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	55.20	4.76	5.71	131.36	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	1.86	1.97	12.31	4.59	J
75-65-0	t-Butyl alcohol	0.40	4.00	1.54	1.21	12.14	4.69	J
4227-95-6	Methyl iodide	0.40	1.20	3.33	2.34	7.02	19.52	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	1.05	0.79	3.17	4.15	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	ND	1.18	3.54	ND	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	49.43	1.41	3.53	174.50	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	9.10	0.79	3.97	36.11	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	10.25	0.81	4.05	41.54	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	70.28	0.69	3.45	242.36	
71-43-2	Benzene	1.40	2.00	24.92	4.48	6.40	79.72	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	18.73	0.94	4.68	87.59	
142-82-5	n-Heptane	0.40	1.00	60.58	1.64	4.10	248.62	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	7.44	0.54	5.38	40.05	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	34.68	3.02	3.77	130.80	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	ND	1.64	13.13	ND	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	9.15	0.68	6.79	62.13	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	23.90	1.74	4.35	103.97	
1330-20-7	m,p-Xylenes	0.40	1.00	27.23	1.74	4.35	118.44	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	8.59	1.74	4.35	37.38	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	2.59	3.94	13.78	12.73	J
622-96-8	4-Ethyltoluene	0.80	6.40	2.61	3.94	31.51	12.86	J
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	2.69	4.40	13.19	14.80	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	107	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 36

File Name: 2614436B.D
Description T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	184.51	2.71	3.25	499.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 36

File Name: 2614436B.D
Description: T-308
Canister:
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 09:59
Date Analyzed: 8/7/2026 **Time:** 17:03
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
BUTANE	7.00	15.00	234.40	28.67	61.43	959.98
BUTANE, 2-METHYL-	7.00	15.00	110.60	28.67	61.43	452.96
2-PENTENE	7.00	15.00	40.90	28.67	61.43	167.51
1-BUTENE, 2-METHYL-	7.00	15.00	23.60	28.67	61.43	96.65
BUTANE, 2,2-DIMETHYL	7.00	15.00	28.30	28.67	61.43	115.90
CYCLOHEXANE, 1,3-DIMETHYL, CIS-	7.00	15.00	33.20	28.67	61.43	135.97
CYCLOHEXANE, 1,1,3-TRIMETHYL-	7.00	15.00	37.10	28.67	61.43	151.94
BENZENE, 1-CHLORO-4-(TRIFLUOROMET	7.00	15.00	122.80	28.67	61.43	502.93
.ALPHA.-PINENE	7.00	15.00	35.30	28.67	61.43	144.57
2-HEPTANONE, 6-METHYL-	7.00	15.00	23.10	28.67	61.43	94.61

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard

1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	36		
File Name:	2614436B.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	9:59
Sample ID:	T-308	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	17:03
Anal Date:	7 Aug 126 5:03 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	NA		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	17.983	1.69	42.00	10515592
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	2.600	2.49	31.00	1405055
74-87-3	Chloromethane	5	SA	1.185	2.03	50.00	1128272
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.457	2.44	94.00	206023
75-00-3	Chloroethane	10	SA	1.950	2.68	64.00	653155
64-17-5	Ethanol	11	SA	3.873	3.39	46.00	519307
107-02-8	Acrolein	12	SA	7.737	3.75	56.00	1278510
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	5.520	4.13	58.00	1520017
67-63-0	2-propanol (isopropylalcohc	15	SA	0.186	3.99	45.00	235601
75-65-0	t-Butyl alcohol	16	SA	0.154	4.50	59.00	188424
4227-95-6	Methyl iodide	17	SA	0.333	3.51	142.00	102835
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.105	4.28	96.00	55843
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.000	6.18	72.00	0
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	4.943	4.33	57.00	7174967
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.910	5.54	96.00	497783
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	1.025	6.71	61.95	649601
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	7.028	5.78	56.00	7619115
71-43-2	Benzene	47	SA	2.492	6.49	78.00	4834383
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	1.873	6.34	57.00	6142901
142-82-5	n-Heptane	51	SA	6.058	6.49	71.00	3656660
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.744	6.49	130.00	534204
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	3.468	8.92	91.00	6232164
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.000	10.50	58.00	0
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.915	9.41	166.00	745348
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	2.390	10.94	106	6186511
1330-20-7	m,p-Xylenes	75	SA	2.723	11.15	91.00	5966350
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.859	11.72	91.00	1923868
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.259	12.24	105.00	578389
622-96-8	4-Ethyltoluene	85	SA	0.261	13.00	105.00	651628
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.269	14.10	119.00	904310
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	18.451	1.85	51.00	16520127
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**6814212**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**9859413**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**13016335**
2037-26-5	Toluene-d8	61	SURR	2.679	8.85	98.00	**5944530**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Laboratory Number: 36
File Name: 2614436B.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: NA
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	200
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	ResultQ UG/M3	ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	17.98	179.83	309.91	179.83	309.91	309.91	309.91	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	2.60	26.00	34.07	26.00	34.07	34.07	34.07	0.500	0.600	2.00	2.62	2.40	3.15	
Chloromethane	50.5	1.18	11.85	24.51	11.85	24.51	24.51	24.51	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.46	4.57	17.77	4.57	17.77	17.77	17.77	0.100	0.250	0.40	1.55	1.00	3.89	
Chloroethane	64.5	1.95	19.50	51.51	19.50	51.51	51.51	51.51	0.100	0.250	0.40	1.06	1.00	2.64	
Ethanol	46.1	3.87	38.73	73.13	38.73	73.13	73.13	73.13	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	7.74	77.37	177.77	77.37	177.77	177.77	177.77	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	5.52	55.20	131.36	55.20	131.36	131.36	131.36	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.19	1.86	4.59	1.86	4.59	4.59	4.59	0.200	1.250	0.80	1.97	5.00	12.31	J
t-Butyl alcohol	74.1	0.15	1.54	4.69	1.54	4.69	4.69	4.69	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.33	3.33	19.52	3.33	19.52	19.52	19.52	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.10	1.05	4.15	1.05	4.15	4.15	4.15	0.050	0.200	0.20	0.79	0.80	3.17	
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.00	0.00	0.00	ND	ND	0		0.100	0.300	0.40	1.18	1.20	3.54	U
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	4.94	49.43	174.50	49.43	174.50	174.50	174.50	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.91	9.10	36.11	9.10	36.11	36.11	36.11	0.050	0.250	0.20	0.79	1.00	3.97	
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	1.02	10.25	41.54	10.25	41.54	41.54	41.54	0.050	0.250	0.20	0.81	1.00	4.05	
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	7.03	70.28	242.36	70.28	242.36	242.36	242.36	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	2.49	24.92	79.72	24.92	79.72	79.72	79.72	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	1.87	18.73	87.59	18.73	87.59	87.59	87.59	0.050	0.250	0.20	0.94	1.00	4.68	
n-Heptane	100.2	6.06	60.58	248.62	60.58	248.62	248.62	248.62	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.74	7.44	40.05	7.44	40.05	40.05	40.05	0.025	0.250	0.10	0.54	1.00	5.38	
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	3.47	34.68	130.80	34.68	130.80	130.80	130.80	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.91	9.15	62.13	9.15	62.13	62.13	62.13	0.025	0.250	0.10	0.68	1.00	6.79	
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	2.39	23.90	103.97	23.90	103.97	103.97	103.97	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	2.72	27.23	118.44	27.23	118.44	118.44	118.44	0.100	0.250	0.40	1.74	1.00	4.35	
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.86	8.59	37.38	8.59	37.38	37.38	37.38	0.100	0.250	0.40	1.74	1.00	4.35	
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.26	2.59	12.73	2.59	12.73	12.73	12.73	0.200	0.700	0.80	3.94	2.80	13.78	J
4-Ethyltoluene	120.2	0.26	2.61	12.86	2.61	12.86	12.86	12.86	0.200	1.600	0.80	3.94	6.40	31.51	J
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.27	2.69	14.80	2.69	14.80	14.80	14.80	0.200	0.600	0.80	4.40	2.40	13.19	
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	18.45	184.51	499.11	184.51	499.11	499.11	499.11	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.68	107	107	107	107	107	107	107	2.5	2.5	2.5
0												
0												
0												

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	179.83	309.91
ND		ND		Y	0.00	0.00
		=		Y	26.00	34.07
		=		Y	11.85	24.51
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	4.57	17.77
		=		Y	19.50	51.51
		=		Y	38.73	73.13
		=		Y	77.37	177.77
ND		ND		Y	0.00	0.00
		=		Y	55.20	131.36
J		=		Y	1.86	4.59
J		=		Y	1.54	4.69
		=		Y	3.33	19.52
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

	=	Y	1.05	4.15
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	49.43	174.50
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	9.10	36.11
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	10.25	41.54
ND	ND	Y	0.00	0.00
	=	Y	70.28	242.36
	=	Y	24.92	79.72
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	18.73	87.59
	=	Y	60.58	248.62
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	7.44	40.05
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	34.68	130.80
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	9.15	62.13
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	23.90	103.97
	=	Y	27.23	118.44
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	8.59	37.38
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	2.59	12.73
J	=	Y	2.61	12.86
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.69	14.80
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	184.51	499.11
	=	Y		
	=	Y		
	=	Y		

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**	
Laboratory Number:		**36**	
Standard Volume	STV	10.0	ml
Sample Volume	SV	100	ml
Can Dilution Factor	CDF	1.00	
Gas Constant		24.42	
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)} \frac{(Cistdi)}{(Aistdi)}$ i Note: 1

2) Raw Amt = $\frac{(Ansamp)}{(Avg\ RFn)} \frac{(Cistdi)}{(Aistdi)}$ = **Cn**

3) Amount ppbv = $\frac{(Raw\ Amt)\ 1000}{(SV)}$ (CDF)

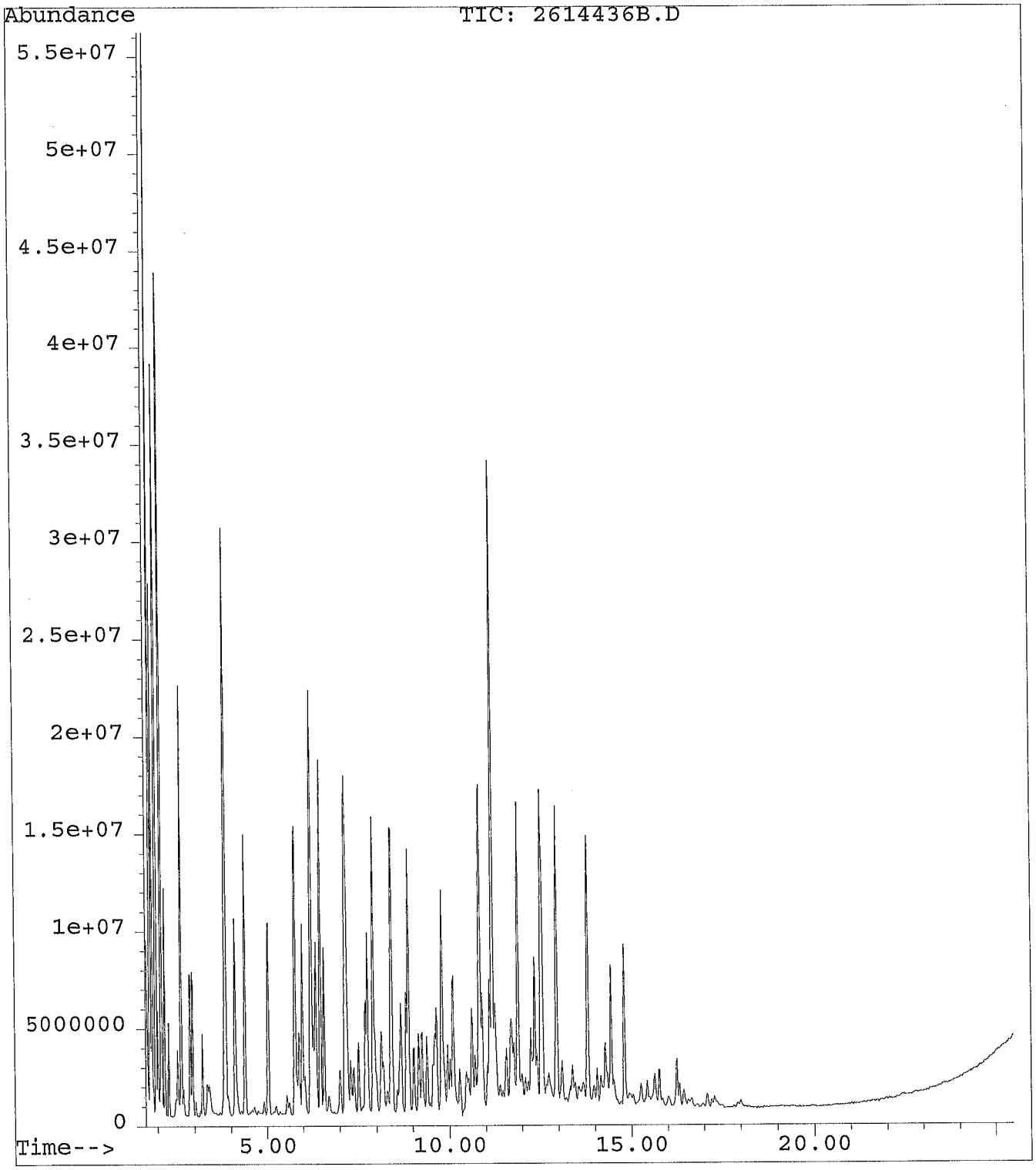
4) Amount ug/m3 = $\frac{(amt(ppbv)\ MW}{24.42}$

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	10515592	20.0	6814212	17.983	179.83	309.91
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	6814212	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	1405055	20.0	6814212	2.600	26.00	34.07
5	Chloromethane	PFB	SA	50.5	0.699	1128272	20.0	6814212	1.185	11.85	24.51
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	6814212	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	6814212	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	6814212	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	206023	20.0	6814212	0.457	4.57	17.77
10	Chloroethane	PFB	SA	64.5	0.204	653155	20.0	6814212	1.950	19.50	51.51
11	Ethanol	PFB	SA	46.1	0.098	519307	20.0	6814212	3.873	38.73	73.13
12	Acrolein	PFB	SA	56.1	0.121	1278510	20.0	6814212	7.737	77.37	177.77
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	6814212	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	1520017	20.0	6814212	5.520	55.20	131.36
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	235601	20.0	6814212	0.186	1.86	4.59
16	t-Butyl alcohol	PFB	SA	74.1	0.895	188424	20.0	6814212	0.154	1.54	4.69
17	Methyl iodide	PFB	SA	142.9	0.305	102835	20.0	6814212	0.333	3.33	19.52
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	6814212	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	6814212	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	6814212	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	6814212	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	6814212	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	6814212	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	55843	20.0	6814212	0.105	1.05	4.15
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	6814212	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	6814212	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	6814212	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	6814212	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	6814212	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	0	20.0	6814212	0.000	0.00	0.00
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	6814212	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	7174967	20.0	6814212	4.943	49.43	174.50
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	6814212	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	6814212	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	6814212	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	6814212	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	6814212	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	6814212	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	497783	20.0	6814212	0.910	9.10	36.11
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	6814212	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	6814212	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	9859413	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	649601	20.0	9859413	1.025	10.25	41.54
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	9859413	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	7619115	20.0	9859413	7.028	70.28	242.36
47	Benzene	14DFB	SA	78.1	0.984	4834383	20.0	9859413	2.492	24.92	79.72
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	9859413	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	9859413	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	6142901	20.0	9859413	1.873	18.73	87.59
51	n-Heptane	14DFB	SA	100.2	0.306	3656660	20.0	9859413	6.058	60.58	248.62
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	9859413	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	9859413	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	9859413	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	534204	20.0	9859413	0.744	7.44	40.05
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	9859413	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	9859413	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	9859413	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	9859413	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	6232164	20.0	9859413	3.468	34.68	130.80
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	9859413	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	9859413	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	9859413	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	0	20.0	9859413	0.000	0.00	0.00
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	9859413	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	9859413	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	9859413	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	9859413	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	745348	20.0	9859413	0.915	9.15	62.13
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	13016335	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	13016335	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	6186511	20.0	13016335	2.390	23.90	103.97
75	m,p-Xylenes	d5CB	SA	106.2	0.842	5966350	20.0	13016335	2.723	27.23	118.44
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	13016335	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	13016335	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	13016335	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	1923868	20.0	13016335	0.859	8.59	37.38
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	13016335	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	13016335	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	13016335	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	13016335	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	578389	20.0	13016335	0.259	2.59	12.73
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	651628	20.0	13016335	0.261	2.61	12.86
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	13016335	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	13016335	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	13016335	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	13016335	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	13016335	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	13016335	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	13016335	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	904310	20.0	13016335	0.269	2.69	14.80
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	13016335	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	13016335	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	13016335	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	13016335	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	13016335	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	13016335	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	13016335	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	13016335	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	13016335	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	16520127	20.0	13016335	18.451	184.51	499.11
1	Pentafluorobenzene		IS			6814212	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			9859413	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			13016335	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5944530	5.0		2.679	107.14	107

File : C:\MSCHEM\1\DATA\08076B_3\2614436B.D
Operator : SW
Acquired : 7 Aug 126 5:03 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-308
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 37

Client ID T-309

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 37**

File Name: 2614437A.D
Description: T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	10.60	0.69	1.72	18.27	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.23	1.24	2.07	2.54	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	ND	3.78	24.24	ND	
107-02-8	Acrolein	0.40	1.20	3.75	0.92	2.76	8.61	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	9.07	4.76	5.71	21.59	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.02	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	6.68	1.18	3.54	19.72	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.10	1.41	3.53	3.87	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	1.39	0.69	3.45	4.80	
71-43-2	Benzene	1.40	2.00	2.07	4.48	6.40	6.61	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	1.07	1.64	4.10	4.40	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	1.36	3.02	3.77	5.12	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.42	1.64	13.13	5.82	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	1.19	1.74	4.35	5.18	
1330-20-7	m,p-Xylenes	0.40	1.00	0.99	1.74	4.35	4.31	J
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	0.72	1.74	4.35	3.13	J
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	90	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144
Analytical Method: TO-15
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	138.82	2.71	3.25	375.51	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 37

File Name: 2614437A.D
Description T-309
Canister: 647
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:17
Date Analyzed: 8/7/2026 **Time:** 17:39
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	37		
File Name:	2614437A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:17
Sample ID:	T-309	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	17:39
Anal Date:	7 Aug 126 5:39 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	647		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	1.060	1.69	42.00	725757
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.123	2.03	50.00	136988
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	0.000	3.39	46.00	0
107-02-8	Acrolein	12	SA	0.375	3.75	56.00	72486
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	0.907	4.13	58.00	292421
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.188	3.51	142.00	19338
75-35-4	1,1-Dichloroethene	18	SA	-2.593	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.668	6.18	72.00	202620
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.110	4.33	57.00	186106
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.139	5.78	56.00	170714
71-43-2	Benzene	47	SA	0.207	6.49	78.00	453071
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.107	6.49	71.00	73117
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.136	8.92	91.00	276005
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	0.142	10.50	58.00	176040
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.119	10.94	106	252444
1330-20-7	m,p-Xylenes	75	SA	0.099	11.15	91.00	177553
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.072	11.76	91.00	131658
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	13.882	1.88	51.00	10170601
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7977484**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**11150419**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**10651076**
2037-26-5	Toluene-d8	61	SURR	2.247	8.85	98.00	**5639705**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 37
File Name: 2614437A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 647
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	1.06	10.60	18.27	10.60	18.27	18.27	18.27	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.12	1.23	2.54	1.23	2.54	2.54	2.54	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	0.00	0.00	0.00	ND	ND	0		0.500	3.210	2.00	3.78	12.84	24.24	U
Acrolein	56.1	0.37	3.75	8.61	3.75	8.61	8.61	8.61	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	0.91	9.07	21.59	9.07	21.59	21.59	21.59	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.19	1.88	11.02	1.88	11.02	11.02	11.02	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	-2.59	-25.93	-102.89	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.67	6.68	19.72	6.68	19.72	19.72	19.72	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.11	1.10	3.87	1.10	3.87	3.87	3.87	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.14	1.39	4.80	1.39	4.80	4.80	4.80	0.050	0.250	0.20	0.69	1.00	3.45	
Benzene	78.1	0.21	2.07	6.61	2.07	6.61	6.61	6.61	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.11	1.07	4.40	1.07	4.40	4.40	4.40	0.100	0.250	0.40	1.64	1.00	4.10	
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.14	1.36	5.12	1.36	5.12	5.12	5.12	0.200	0.250	0.80	3.02	1.00	3.77	
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.14	1.42	5.82	1.42	5.82	5.82	5.82	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.12	1.19	5.18	1.19	5.18	5.18	5.18	0.100	0.250	0.40	1.74	1.00	4.35	
m,p-Xylenes	106.2	0.10	0.99	4.31	0.99	4.31	4.31	4.31	0.100	0.250	0.40	1.74	1.00	4.35	J
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.07	0.72	3.13	0.72	3.13	3.13	3.13	0.100	0.250	0.40	1.74	1.00	4.35	J
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	13.88	138.82	375.51	138.82	375.51	375.51	375.51	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	0	0	0	2.25	90	90	90	90	90

90	90	90	90	90	2.5	2.5	2.5	2.5	2.5

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	10.60	18.27
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.23	2.54
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	3.75	8.61
ND		ND		Y	0.00	0.00
		=		Y	9.07	21.59
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.88	11.02
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	6.68	19.72
ND	ND	Y	0.00	0.00
	=	Y	1.10	3.87
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.39	4.80
	=	Y	2.07	6.61
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.07	4.40
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	1.36	5.12
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.42	5.82

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**37**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) (Cistdi) / (Aistdi) i — Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 / (SV) (CDF)

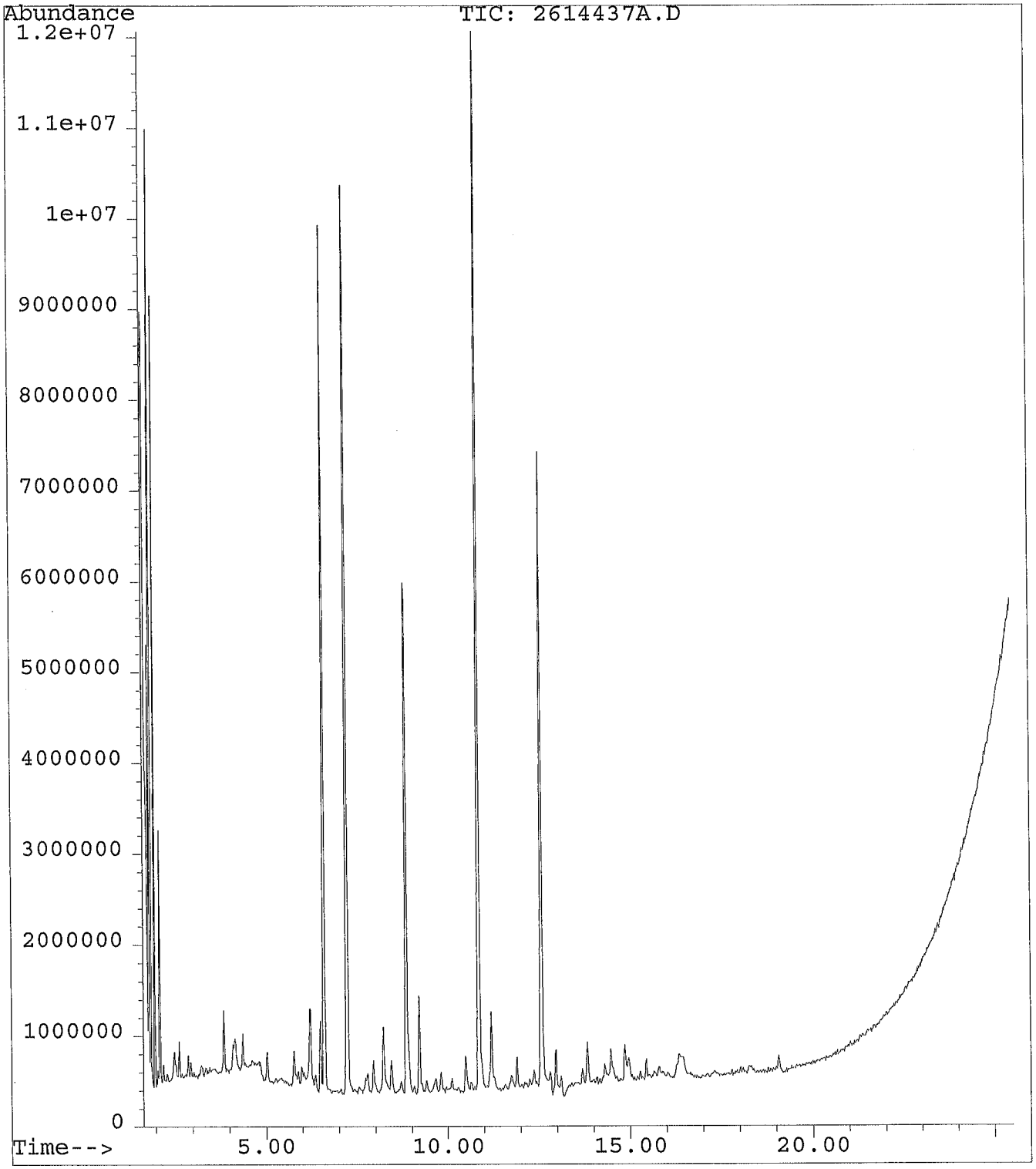
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	725757	20.0	7977484	1.060	10.60	18.27
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	7977484	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	7977484	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	136988	20.0	7977484	0.123	1.23	2.54
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7977484	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7977484	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7977484	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	7977484	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7977484	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	0	20.0	7977484	0.000	0.00	0.00
12	Acrolein	PFB	SA	56.1	0.121	72486	20.0	7977484	0.375	3.75	8.61
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7977484	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	292421	20.0	7977484	0.907	9.07	21.59
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	7977484	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	7977484	0.000	0.00	0.00
17	Methyl Iodide	PFB	SA	142.9	0.305	19338	20.0	7977484	0.188	1.88	11.02
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7977484	-2.593	-25.93	-102.89
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7977484	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7977484	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7977484	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7977484	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7977484	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7977484	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7977484	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7977484	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7977484	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7977484	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7977484	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	202620	20.0	7977484	0.668	6.68	19.72
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7977484	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	186106	20.0	7977484	0.110	1.10	3.87
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7977484	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7977484	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7977484	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7977484	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7977484	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7977484	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7977484	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7977484	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	7977484	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	11150419	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	11150419	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	11150419	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	170714	20.0	11150419	0.139	1.39	4.80
47	Benzene	14DFB	SA	78.1	0.984	453071	20.0	11150419	0.207	2.07	6.61
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	11150419	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	11150419	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	11150419	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	73117	20.0	11150419	0.107	1.07	4.40
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	11150419	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	11150419	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	11150419	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	11150419	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	11150419	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	11150419	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	11150419	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	11150419	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	276005	20.0	11150419	0.136	1.36	5.12
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	11150419	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	11150419	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	11150419	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	176040	20.0	11150419	0.142	1.42	5.82
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	11150419	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	11150419	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	11150419	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	11150419	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	11150419	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	10651076	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	10651076	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	252444	20.0	10651076	0.119	1.19	5.18
75	m,p-Xylenes	d5CB	SA	106.2	0.842	177553	20.0	10651076	0.099	0.99	4.31
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	10651076	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	10651076	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	10651076	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	131658	20.0	10651076	0.072	0.72	3.13
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	10651076	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	10651076	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	10651076	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	10651076	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	10651076	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	10651076	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	10651076	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	10651076	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	10651076	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	10651076	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	10651076	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	10651076	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	10651076	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	10651076	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	10651076	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	10651076	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	10651076	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	10651076	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	10651076	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	10651076	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	10651076	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	10651076	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	10651076	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10170601	20.0	10651076	13.882	138.82	375.51
1	Pentafluorobenzene		IS			7977484	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			11150419	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			10651076	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			5639705	5.0		2.247	89.88	90

File : C:\MSCHEM\1\DATA\08076B_3\2614437A.D
Operator : SW
Acquired : 7 Aug 126 5:39 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-309
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number 226144

Lab Id Number 38

Client ID T-310

Analytical Method TO-15

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 38**

File Name: 2614438A.D
Description: T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	2.69	0.69	1.72	4.64	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.97	1.24	2.07	4.08	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	114.70	3.78	24.24	216.55	
107-02-8	Acrolein	0.40	1.20	8.17	0.92	2.76	18.78	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	137.14	4.76	5.71	326.32	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	8.76	1.97	12.31	21.57	
75-65-0	t-Butyl alcohol	0.40	4.00	1.98	1.21	12.14	6.01	J
4227-95-6	Methyl iodide	0.40	1.20	1.98	2.34	7.02	11.56	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	96.41	1.18	3.54	284.68	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	1.22	1.41	3.53	4.30	
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	2.10	4.48	6.40	6.70	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	3.13	1.64	13.13	12.86	J
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	13.11	1.64	13.13	53.81	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	UCL	Flag
2037-26-5	Toluene-d8	98	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 38**

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	142.99	2.71	3.25	386.81	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 38

File Name: 2614438A.D
Description T-310
Canister: 654
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:22
Date Analyzed: 8/7/2026 **Time:** 18:16
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	38		
File Name:	2614438A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:22
Sample ID:	T-310	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	18:16
Anal Date:	7 Aug 126 6:16 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	654		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.3				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.269	1.69	42.00	177926
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.197	2.03	50.00	212080
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	11.470	3.39	46.00	1737437
107-02-8	Acrolein	12	SA	0.817	3.75	56.00	152601
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	13.714	4.13	58.00	4266139
67-63-0	2-propanol (isopropylalcohc	15	SA	0.876	3.99	45.00	1251514
75-65-0	t-Butyl alcohol	16	SA	0.198	4.50	59.00	273201
4227-95-6	Methyl iodide	17	SA	0.198	3.51	142.00	24913
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	9.641	6.18	72.00	2822638
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.122	4.33	57.00	199935
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.210	6.49	78.00	484026
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.313	9.40	58.00	239980
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.000	9.67	69.00	0
591-78-6	2-Hexanone	65	SA	1.311	10.50	58.00	1713195
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.75	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	14.299	1.81	51.00	10932530
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**7698473**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**11742951**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**11114535**
2037-26-5	Toluene-d8	61	SURR	2.456	8.85	98.00	**6493083**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 38
File Name: 2614438A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 654
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.3

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.27	2.69	4.64	2.69	4.64	4.64	4.64	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.20	1.97	4.08	1.97	4.08	4.08	4.08	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	11.47	114.70	216.55	114.70	216.55	216.55	216.55	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.82	8.17	18.78	8.17	18.78	18.78	18.78	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	13.71	137.14	326.32	137.14	326.32	326.32	326.32	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.88	8.76	21.57	8.76	21.57	21.57	21.57	0.200	1.250	0.80	1.97	5.00	12.31	
t-Butyl alcohol	74.1	0.20	1.98	6.01	1.98	6.01	6.01	6.01	0.100	1.000	0.40	1.21	4.00	12.14	J
Methyl iodide	142.9	0.20	1.98	11.56	1.98	11.56	11.56	11.56	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	9.64	96.41	284.68	96.41	284.68	284.68	284.68	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.12	1.22	4.30	1.22	4.30	4.30	4.30	0.100	0.250	0.40	1.41	1.00	3.53	
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.21	2.10	6.70	2.10	6.70	6.70	6.70	0.350	0.500	1.40	4.48	2.00	6.40	
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.31	3.13	12.86	3.13	12.86	12.86	12.86	0.100	0.800	0.40	1.64	3.20	13.13	J
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	1.31	13.11	53.81	13.11	53.81	53.81	53.81	0.100	0.800	0.40	1.64	3.20	13.13	

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	14.30	142.99	386.81	142.99	386.81	386.81	386.81	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8	2.46	98	98	98	98	98	98	2.5	2.5
0									
0									
0									

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	2.69	4.64
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.97	4.08
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	114.70	216.55
		=		Y	8.17	18.78
ND		ND		Y	0.00	0.00
		=		Y	137.14	326.32
		=		Y	8.76	21.57
J		=		Y	1.98	6.01
		=		Y	1.98	11.56
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	96.41	284.68
ND	ND	Y	0.00	0.00
	=	Y	1.22	4.30
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	2.10	6.70
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	3.13	12.86
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	13.11	53.81

| | | |

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**38**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) / (Cstdni) × (Cistdi) / (Aistdi)]$_i$ Note: 1

2) Raw Amt = (Ansamp) / (Avg RFn) × (Cistdi) / (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) × 1000 / (SV) × (CDF)

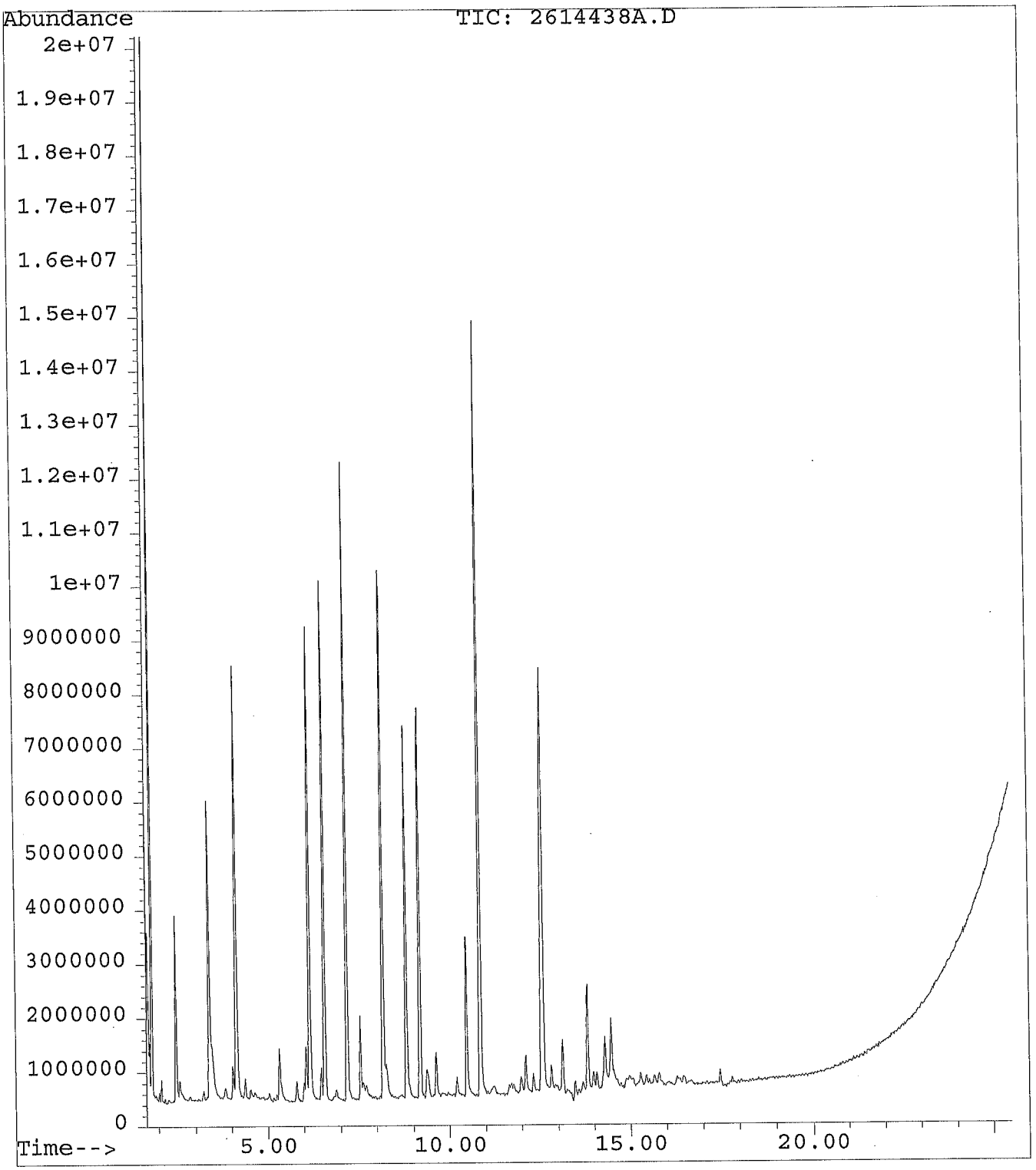
4) Amount ug/m3 = (amt(ppbv) × MW) / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	177926	20.0	7698473	0.269	2.69	4.64
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	7698473	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	7698473	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	212080	20.0	7698473	0.197	1.97	4.08
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	7698473	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	7698473	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	7698473	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	7698473	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	7698473	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	1737437	20.0	7698473	11.470	114.70	216.55
12	Acrolein	PFB	SA	56.1	0.121	152601	20.0	7698473	0.817	8.17	18.78
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	7698473	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	4266139	20.0	7698473	13.714	137.14	326.32
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	1251514	20.0	7698473	0.876	8.76	21.57
16	t-Butyl alcohol	PFB	SA	74.1	0.895	273201	20.0	7698473	0.198	1.98	6.01
17	Methyl iodide	PFB	SA	142.9	0.305	24913	20.0	7698473	0.198	1.98	11.56
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	7698473	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	7698473	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	7698473	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	7698473	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	7698473	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	7698473	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	7698473	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	7698473	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	7698473	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	7698473	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	7698473	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	7698473	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	2822638	20.0	7698473	9.641	96.41	284.68
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	7698473	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	199935	20.0	7698473	0.122	1.22	4.30
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	7698473	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	7698473	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	7698473	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	7698473	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	7698473	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	7698473	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	7698473	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	7698473	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	7698473	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	11742951	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	11742951	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	11742951	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	11742951	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	484026	20.0	11742951	0.210	2.10	6.70
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	11742951	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	11742951	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	11742951	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	11742951	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	11742951	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	11742951	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	11742951	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	11742951	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	11742951	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	11742951	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	239980	20.0	11742951	0.313	3.13	12.86
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	11742951	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	11742951	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	11742951	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	11742951	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	0	20.0	11742951	0.000	0.00	0.00
65	2-Hexanone	14DFB	SA	100.2	0.556	1713195	20.0	11742951	1.311	13.11	53.81
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	11742951	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	11742951	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	11742951	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	11742951	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	11742951	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	11114535	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	11114535	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	11114535	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	11114535	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	11114535	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	11114535	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	11114535	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	11114535	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	11114535	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	11114535	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	11114535	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	11114535	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	11114535	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	11114535	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	11114535	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	11114535	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	11114535	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	11114535	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	11114535	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	11114535	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	11114535	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	11114535	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	11114535	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	11114535	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	11114535	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	11114535	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	11114535	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	11114535	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	11114535	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	11114535	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	11114535	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	10932530	20.0	11114535	14.299	142.99	386.81
1	Pentafluorobenzene		IS			7698473	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			11742951	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			11114535	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			6493083	5.0		2.456	98.26	98

File : C:\MSCHEM\1\DATA\08076B_3\2614438A.D
Operator : SW
Acquired : 7 Aug 126 6:16 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-310
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **39**

Client ID T-311

Analytical Method TO-15

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Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description: T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.40	0.69	1.72	2.42	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	ND	2.62	3.15	ND	
74-87-3	Chloromethane	0.60	1.00	1.68	1.24	2.07	3.48	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	ND	1.55	3.89	ND	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	281.74	3.78	24.24	531.93	
107-02-8	Acrolein	0.40	1.20	4.26	0.92	2.76	9.80	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	12.41	4.76	5.71	29.54	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.87	2.34	7.02	10.95	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	5.00	1.18	3.54	14.75	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.57	1.41	3.53	2.02	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	ND	4.48	6.40	ND	
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	1.20	1.64	13.13	4.91	J
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
106-46-7	1,4-Dichlorobenzene	0.80	2.00	ND	4.82	12.04	ND	
104-51-8	n-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
95-50-1	1,2-Dichlorobenzene	0.80	2.80	ND	4.82	16.86	ND	
96-12-8	1,2-Dibromo-3-chloropropane	1.20	2.80	ND	11.61	27.10	ND	
120-82-1	1,2,4-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
91-20-3	Naphthalene	0.40	2.00	ND	2.10	10.50	ND	
87-61-6	1,2,3-Trichlorobenzene	1.20	2.00	ND	8.92	14.86	ND	
87-68-3	Hexachlorobutadiene	1.00	1.20	ND	10.68	12.82	ND	

	Surrogate Recovery	% Rec.	QC Limits LCL	QC Limits UCL	Flag
2037-26-5	Toluene-d8	101	70	130	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

SDG: 226144

Analytical Method: TO-15 **Laboratory ID: 39**

File Name: 2614439A.D **Date Sampled:** 7/22/2026 **Time:** 11:15
Description T-311 **Date Analyzed:** 8/7/2026 **Time:** 18:55
Canister: 605 **Can Dilution Factor:** 1.00
QC_Batch: 080726-MA1 **Air Volume:** 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
75-37-6	1,1-Difluoroethane	1.00	1.20	119.08	2.71	3.25	322.11	

Tentatively Identified Compounds

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 39

File Name: 2614439A.D
Description T-311
Canister: 605
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:15
Date Analyzed: 8/7/2026 **Time:** 18:55
Can Dilution Factor: 1.00
Air Volume: 100.00 ml

TIC Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3
NONE	7.00	15.00	ND	28.67	61.43	ND

Tentatively Identified Compounds are Identified by a Computer Match and Semi-Quantitated against an Internal Standard
1) The identity of the compound is determined by a match to a computer library.
2) Many compounds have similar mass spectra so the actual compound can be different from the one reported
3) Hydrocarbons especially have similar mass spectra so it is difficult to determine which hydrocarbon is present
4) If there is not a good computer match, a type of compound may be indicated or it may be called "Unknown"
5) The Amount of the compound is calculated against an Internal Standard, so the reported Amounts are approximate.
6) The conversion from ppbv to ug/m3 is done assuming an average molecular weight of 100 since the identity of the compound is often not known with certainty.

QUANTITATION REPORT

EPA Method TO-15 Modified Full Scan GC/MS

				SDG:	226144		
				EAS ID:	39		
File Name:	2614439A.D	**Method:**	TO-15	**Date Sampled:**	7/22/2026	**Time:**	11:15
Sample ID:	T-311	**Matrix:**	AA	**Date Received:**	7/24/2026	**Time:**	16:10
MiscInfo-Vol:	SCHMIDT	**Detect:**	ND	**Date Analyzed:**	8/7/2026	**Time:**	18:55
Anal Date:	7 Aug 126 6:55 pm	**SF:**	2	**QCbatch:**	080726-MA1		
Quant Method:	B15CS3_C.M	**MDLSF:**	2	**Volume:**	100.0		
Run Method:	B1563_C.M	**Type:**	SA	**Can (Vial) No:**	605		
Cal Update:	Fri Aug 07 13:09:23 2026	**Instrument:**	MA1	**Can Factor:**	1.00		
Instrument:	5970 - MS	**EDD SURR:**	PERCENT	**SamType:**	SA		
Analyst:	SW	**UnitDil:**	1000	PPBV			
Template:	B15CHIQ.MA1	**MDL FAC**	0.4	UG/M3			
Temp	24.5	**EFLAG:**	1.5				

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
115-07-1	Propylene	2	SA	0.140	1.69	42.00	123124
75-71-8	Dichlorodifluoromethane	3	SA	0.000	1.74	85.00	0
67-56-1	Methanol	4	SA	0.000	2.49	31.00	0
74-87-3	Chloromethane	5	SA	0.168	2.03	50.00	240123
76-14-2	1,2-Dichlorotetrafluoroethar	6	SA	0.000	1.91	85.00	0
75-01-4	Vinyl chloride	7	SA	0.000	2.07	62.00	0
106-99-0	1,3-Butadiene	8	SA	0.000	2.17	54.00	0
74-83-9	Bromomethane	9	SA	0.000	2.44	94.00	0
75-00-3	Chloroethane	10	SA	0.000	2.68	64.00	0
64-17-5	Ethanol	11	SA	28.174	3.39	46.00	5665664
107-02-8	Acrolein	12	SA	0.426	3.75	56.00	105683
75-69-4	Trichlorofluoromethane	13	SA	0.000	2.78	101.00	0
67-64-1	Acetone	14	SA	1.241	4.13	58.00	512631
67-63-0	2-propanol (isopropylalcohc	15	SA	0.000	3.99	45.00	0
75-65-0	t-Butyl alcohol	16	SA	0.000	4.50	59.00	0
4227-95-6	Methyl iodide	17	SA	0.187	3.51	142.00	23622
75-35-4	1,1-Dichloroethene	18	SA	0.000	3.36	61.00	0
107-13-1	Acrylonitrile	19	SA	0.000	4.96	53.00	0
76-13-1	1,1,2-Trichlorotrifluoroethar	20	SA	0.000	3.45	151.00	0
107-05-1	Allyl chloride	21	SA	0.000	2.88	76.00	0
75-09-2	Methylene chloride	22	SA	0.000	4.03	84.00	0
75-15-0	Carbon disulfide	23	SA	0.000	3.45	76.00	0
156-60-5	trans-1,2-Dichloroethene	24	SA	0.000	4.28	96.00	0
1634-04-4	Methyl tert butyl ether	25	SA	0.000	4.42	73.00	0
107-12-0	Propionitrile	26	SA	0.000	6.49	54.00	0
75-34-3	1,1-Dichloroethane	27	SA	0.000	4.94	63.00	0
637-92-3	Ethyl tert butyl ether	28	SA	0.000	5.22	59.00	0
108-05-4	Vinyl acetate	29	SA	0.000	5.74	43.00	0
78-93-3	2-Butanone (MEK)	30	SA	0.500	6.18	72.00	194190
108-20-3	Diisopropyl ether	31	SA	0.000	4.81	87.00	0
110-54-3	Hexane	32	SA	0.057	4.33	57.00	124276
126-98-7	Methacrylonitrile	33	SA	0.000	6.51	67.00	0
141-78-6	Ethyl acetate	34	SA	0.000	6.71	61.00	0
74-97-5	Bromochloromethane	35	SA	0.000	5.76	49.00	0
96-33-3	Methyl acrylate	36	SA	0.000	5.98	55.00	0
109-99-9	Tetrahydrofuran	37	SA	0.000	6.18	72.00	0
78-83-1	Isobutyl alcohol	38	SA	0.000	6.76	74.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
156-59-2	cis-1,2-Dichloroethene	39	SA	0.000	5.54	96.00	0
594-20-7	2,2-Dichloropropane	40	SA	0.000	5.64	77.00	0
67-66-3	Chloroform	41	SA	0.000	5.83	83.00	**0**
71-55-6	1,1,1-Trichloroethane	43	SA	0.000	6.08	97.00	0
107-06-2	1,2-Dichloroethane	44	SA	0.000	6.71	61.95	0
563-58-6	1,1-Dichloropropene	45	SA	0.000	6.20	75.00	0
110-82-7	Cyclohexane	46	SA	0.000	5.78	56.00	0
71-43-2	Benzene	47	SA	0.139	6.49	78.00	414234
56-23-5	Carbon tetrachloride	48	SA	0.000	6.01	116.90	0
994-05-8	t-Amyl methyl ether	49	SA	0.000	6.63	73.00	0
540-84-1	2,2,4-Trimethylpentane	50	SA	0.000	6.34	57.00	0
142-82-5	n-Heptane	51	SA	0.000	6.49	71.00	0
78-87-5	1,2-Dichloropropane	52	SA	0.000	7.77	63.00	0
123-91-1	1,4 Dioxane	53	SA	0.000	8.09	88.00	0
74-95-3	Dibromomethane	54	SA	0.000	7.65	174.00	0
79-01-6	Trichloroethene (TCE)	55	SA	0.000	6.49	130.00	0
75-27-4	Bromodichloromethane	56	SA	0.000	7.85	83.00	0
80-62-6	Methyl methacrylate	57	SA	0.000	8.05	69.00	0
108-10-1	4-Methyl-2-pentanone (MIB	58	SA	0.000	9.40	58.00	0
10061-01-5	cis-1,3-Dichloropropene	59	SA	0.000	8.62	75.00	**0**
108-88-3	Toluene	61	SA	0.000	8.92	91.00	0
10061-02-6	trans-1,3-Dichloropropene	62	SA	0.000	9.43	75.00	0
79-00-5	1,1,2-Trichloroethane	63	SA	0.000	9.63	61.00	0
97-63-2	Ethyl methacrylate	64	SA	0.003	9.67	69.00	3845
591-78-6	2-Hexanone	65	SA	0.120	10.50	58.00	202279
142-28-9	1,3-Dichloropropane	66	SA	0.000	10.00	76.00	0
111-65-9	Octane	67	SA	0.000	8.72	85.00	0
124-48-1	Dibromochloromethane	68	SA	0.000	9.87	129.00	0
106-93-4	1,2-Dibromoethane (EDB)	69	SA	0.000	10.18	107.00	0
127-18-4	Tetrachloroethene (PCE)	70	SA	0.000	9.41	166.00	0
108-90-7	Chlorobenzene	72	SA	0.000	10.91	112.00	0
630-20-6	1,1,1,2-Tetrachloroethane	73	SA	0.000	11.00	131.00	0
100-41-4	Ethylbenzene	74	SA	0.000	10.94	106	0
1330-20-7	m,p-Xylenes	75	SA	0.000	11.15	91.00	0
111-84-2	Nonane	76	SA	0.000	10.86	57.00	0
100-42-5	Styrene	77	SA	0.000	11.83	104.00	0
75-25-2	Bromoform	78	SA	0.000	11.86	173.00	0
95-47-6	o-Xylene	79	SA	0.000	11.75	91.00	0
79-34-5	1,1,2,2-Tetrachloroethane	80	SA	0.000	12.92	83.00	0
96-18-4	1,2,3-Trichloropropane	81	SA	0.000	13.12	110.00	0
110-57-6	t-1,4-Dichloro-2-butene	82	SA	0.000	13.21	53.00	0
103-65-1	n-Propylbenzene	83	SA	0.000	12.83	91.00	0
98-82-8	Isopropylbenzene	84	SA	0.000	12.24	105.00	0
622-96-8	4-Ethyltoluene	85	SA	0.000	13.00	105.00	0
108-67-8	1,3,5-Trimethylbenzene	86	SA	0.000	13.12	105.00	0
124-18-5	Decane	87	SA	0.000	12.85	57.00	0
98-06-6	tert-butyl benzene	88	SA	0.000	13.61	119.00	0
95-63-6	1,2,4-Trimethylbenzene	89	SA	0.000	13.71	105.00	0
538-93-2	i-Butylbenzene	90	SA	0.000	13.89	91.00	0
135-98-8	sec-butylbenzene	91	SA	0.000	13.87	105.00	0
541-73-1	1,3-Dichlorobenzene	92	SA	0.000	14.19	146.00	0
99-87-6	Isopropyltoluene	93	SA	0.000	14.10	119.00	0
100-44-7	Benzyl chloride	94	SA	0.000	13.31	91.00	0

CAS#	Compound	n	Type	Raw Amount	Target RT	Ion	Sample Area
106-46-7	1,4-Dichlorobenzene	95	SA	0.000	14.34	146.00	0
104-51-8	n-Butylbenzene	96	SA	0.000	14.76	91.00	0
95-50-1	1,2-Dichlorobenzene	97	SA	0.000	15.01	146.00	0
96-12-8	1,2-Dibromo-3-chloropropa	98	SA	0.000	16.27	75.00	0
120-82-1	1,2,4-Trichlorobenzene	99	SA	0.000	17.40	180.00	0
91-20-3	Naphthalene	100	SA	0.000	17.95	128.00	0
87-61-6	1,2,3-Trichlorobenzene	101	SA	0.000	17.42	180.00	0
87-68-3	Hexachlorobutadiene	102	TRG	0.000	0.00	225.00	0
75-37-6	1,1-Difluoroethane	103	TRG	11.908	1.83	51.00	11828739
363-72-4	Pentafluorobenzene	1	IS	5.000	6.59	168.00	**10220136**
540-36-3	1,4-Difluorobenzene	42	IS	5.000	7.20	114.00	**15185806**
3114-55-4	Chlorobenzene-d5	71	IS	5.000	10.88	117.00	**14441081**
2037-26-5	Toluene-d8	61	SURR	2.534	8.85	98.00	**8661835**

CALCULATIONS

EPA Method TO-15 Modified Full Scan GC/MS

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SDG: 226144
Laboratory Number: 39
File Name: 2614439A.D
Run Method: B1563_C.M
Can Factor: 1.00
Air Volume: 100.0 ml
Can/Tube Number: 605
Dilution Factor: 0.1000
Base Volume: 1000 ml
Unit Factor (ppbv): 1000 PPBV UG/M3

EDD SURR:	PERCENT
Sam Type:	SA
Instrument:	MA1
DETECT:	ND
Matrix:	AA
Type:	SA
Diluton:	0.1000
Sig Figs:	2
MDLSF:	2

IS LCL	50
IS UCL	762
SUR LCL	70
SUR UCL	130
MDL Factor	0.4
E Flag	1.5

Gas Constant	
T	24.5
P	760
MV	24.417
GC	24.417

<0.40

Compound	M.W.	Raw Amount	ResultV PPBV	Result UG/M3	Fixed ResultV PPBV	Fixed Result UG/M3	Fixed ResultQ UG/M3	Fixed ResultG UG/M3	(1) MDL	(2) RL PPBV	Calc MDL PPBV	Calc MDL UG/M3	Calc RL PPBV	Calc RL UG/M3	U Flag
Propylene	42.08	0.14	1.40	2.42	1.40	2.42	2.42	2.42	0.100	0.250	0.40	0.69	1.00	1.72	
Dichlorodifluoromethane	120.9	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.97	1.00	4.95	U
Methanol	32.0	0.00	0.00	0.00	ND	ND	0		0.500	0.600	2.00	2.62	2.40	3.15	U
Chloromethane	50.5	0.17	1.68	3.48	1.68	3.48	3.48	3.48	0.150	0.250	0.60	1.24	1.00	2.07	
1,2-Dichlorotetrafluoroethane	170.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.80	1.00	7.00	U
Vinyl chloride	62.5	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.52	1.00	2.56	U
1,3-Butadiene	54.1	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.45	1.00	2.22	U
Bromomethane	94.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.55	1.00	3.89	U
Chloroethane	64.5	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.06	1.00	2.64	U
Ethanol	46.1	28.17	281.74	531.93	281.74	531.93	531.93	531.93	0.500	3.210	2.00	3.78	12.84	24.24	
Acrolein	56.1	0.43	4.26	9.80	4.26	9.80	9.80	9.80	0.100	0.300	0.40	0.92	1.20	2.76	
Trichlorofluoromethane	137.4	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.25	1.00	5.63	U
Acetone	58.1	1.24	12.41	29.54	12.41	29.54	29.54	29.54	0.500	0.600	2.00	4.76	2.40	5.71	
2-propanol (isopropylalcohol)	60.1	0.00	0.00	0.00	ND	ND	0		0.200	1.250	0.80	1.97	5.00	12.31	U
t-Butyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.100	1.000	0.40	1.21	4.00	12.14	U
Methyl iodide	142.9	0.19	1.87	10.95	1.87	10.95	10.95	10.95	0.100	0.300	0.40	2.34	1.20	7.02	
1,1-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
Acrylonitrile	53.1	0.00	0.00	0.00	ND	ND	0		0.200	0.300	0.80	1.74	1.20	2.61	U
1,1,2-Trichlorotrifluoroethane	187.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.53	1.00	7.67	U
Allyl chloride	76.5	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.63	4.00	12.53	U
Methylene chloride	84.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.70	1.00	3.48	U
Carbon disulfide	76.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.25	1.00	3.12	U

trans-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.200	0.20	0.79	0.80	3.17	U
Methyl tert butyl ether	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.200	0.40	1.44	0.80	2.89	U
Propionitrile	55.1	0.00	0.00	0.00	ND	ND	0		0.250	0.400	1.00	2.26	1.60	3.61	U
1,1-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
Ethyl tert butyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.67	1.00	4.19	U
Vinyl acetate	86.1	0.00	0.00	0.00	ND	ND	0		0.050	1.000	0.20	0.71	4.00	14.10	U
2-Butanone (MEK)	72.1	0.50	5.00	14.75	5.00	14.75	14.75	14.75	0.100	0.300	0.40	1.18	1.20	3.54	
Diisopropyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.600	0.40	1.67	2.40	10.05	U
Hexane	86.2	0.06	0.57	2.02	0.57	2.02	2.02	2.02	0.100	0.250	0.40	1.41	1.00	3.53	J
Methacrylonitrile	67.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.10	1.00	2.75	U
Ethyl acetate	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.44	1.00	3.61	U
Bromochloromethane	129.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.06	1.00	5.30	U
Methyl acrylate	86.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.41	2.00	7.05	U
Tetrahydrofuran	72.1	0.00	0.00	0.00	ND	ND	0		0.050	0.300	0.20	0.59	1.20	3.54	U
Isobutyl alcohol	74.1	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	2.43	3.20	9.71	U
cis-1,2-Dichloroethene	96.9	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.79	1.00	3.97	U
2,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
Chloroform	119.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.98	1.00	4.89	U
1,1,1-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
1,2-Dichloroethane	99.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.81	1.00	4.05	U
1,1-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Cyclohexane	84.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.69	1.00	3.45	U
Benzene	78.1	0.14	1.39	4.43	ND	ND	0		0.350	0.500	1.40	4.48	2.00	6.40	U
Carbon tetrachloride	153.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.26	1.00	6.30	U
t-Amyl methyl ether	102.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.67	2.00	8.37	U
2,2,4-Trimethylpentane	114.2	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.94	1.00	4.68	U
n-Heptane	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
1,2-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.93	1.00	4.63	U
1,4 Dioxane	88.1	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	1.44	2.00	7.22	U
Dibromomethane	173.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.42	1.00	7.12	U
Trichloroethene (TCE)	131.4	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.54	1.00	5.38	U
Bromodichloromethane	163.8	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.34	1.00	6.71	U
Methyl methacrylate	100.1	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.64	1.00	4.10	U
4-Methyl-2-pentanone (MIBK)	100.2	0.00	0.00	0.00	ND	ND	0		0.100	0.800	0.40	1.64	3.20	13.13	U
cis-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
Toluene	92.1	0.00	0.00	0.00	ND	ND	0		0.200	0.250	0.80	3.02	1.00	3.77	U
trans-1,3-Dichloropropene	111.0	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	0.91	1.00	4.55	U
1,1,2-Trichloroethane	133.4	0.00	0.00	0.00	ND	ND	0		0.050	0.250	0.20	1.09	1.00	5.46	U
Ethyl methacrylate	114.2	0.00	0.03	0.12	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
2-Hexanone	100.2	0.12	1.20	4.91	1.20	4.91	4.91	4.91	0.100	0.800	0.40	1.64	3.20	13.13	J

1,3-Dichloropropane	113.0	0.00	0.00	0.00	ND	ND	0		0.050	0.700	0.20	0.93	2.80	12.96	U
Octane	114.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.87	1.00	4.68	U
Dibromochloromethane	208.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.41	1.00	8.53	U
1,2-Dibromoethane (EDB)	187.9	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	3.08	1.00	7.70	U
Tetrachloroethene (PCE)	165.8	0.00	0.00	0.00	ND	ND	0		0.025	0.250	0.10	0.68	1.00	6.79	U
Chlorobenzene	112.6	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.84	1.00	4.61	U
1,1,1,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.75	1.00	6.87	U
Ethylbenzene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
m,p-Xylenes	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
Nonane	128.3	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	2.10	1.00	5.25	U
Styrene	104.2	0.00	0.00	0.00	ND	ND	0		0.150	0.250	0.60	2.56	1.00	4.27	U
Bromoform	252.7	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	4.14	1.00	10.35	U
o-Xylene	106.2	0.00	0.00	0.00	ND	ND	0		0.100	0.250	0.40	1.74	1.00	4.35	U
1,1,2,2-Tetrachloroethane	167.8	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	5.50	2.00	13.74	U
1,2,3-Trichloropropane	147.4	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.83	2.40	14.49	U
t-1,4-Dichloro-2-butene	125.0	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.10	2.40	12.29	U
n-Propylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
Isopropylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	3.94	2.80	13.78	U
4-Ethyltoluene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	1.600	0.80	3.94	6.40	31.51	U
1,3,5-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
Decane	142.3	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.66	2.40	13.99	U
tert-butyl benzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2,4-Trimethylbenzene	120.2	0.00	0.00	0.00	ND	ND	0		0.200	0.900	0.80	3.94	3.60	17.72	U
i-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
sec-butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.40	2.80	15.39	U
1,3-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.800	0.80	4.82	3.20	19.27	U
Isopropyltoluene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
Benzyl chloride	126.6	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.15	2.00	10.37	U
1,4-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.500	0.80	4.82	2.00	12.04	U
n-Butylbenzene	134.2	0.00	0.00	0.00	ND	ND	0		0.200	0.600	0.80	4.40	2.40	13.19	U
1,2-Dichlorobenzene	147.0	0.00	0.00	0.00	ND	ND	0		0.200	0.700	0.80	4.82	2.80	16.86	U
1,2-Dibromo-3-chloropropane	236.3	0.00	0.00	0.00	ND	ND	0		0.300	0.700	1.20	11.61	2.80	27.10	U
1,2,4-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Naphthalene	128.2	0.00	0.00	0.00	ND	ND	0		0.100	0.500	0.40	2.10	2.00	10.50	U
1,2,3-Trichlorobenzene	181.4	0.00	0.00	0.00	ND	ND	0		0.300	0.500	1.20	8.92	2.00	14.86	U
Hexachlorobutadiene	260.8	0.00	0.00	0.00	ND	ND	0		0.250	0.300	1.00	10.68	1.20	12.82	U
1,1-Difluoroethane	66.1	11.91	119.08	322.11	119.08	322.11	322.11	322.11	0.250	0.300	1.00	2.71	1.20	3.25	
Pentafluorobenzene		5.00							5.0	5.0					
1,4-Difluorobenzene		5.00							5.0	5.0					
Chlorobenzene-d5		5.00							5.0	5.0					

Toluene-d8		2.53	101	101	101	101	101	101	101	2.5	2.5	
	0											
	0											
	0											

ND Flag	EPA Flag	Detect Flag	Cal Flag	R	DETECT PPBV	DETECT UG/M3
		=		Y	1.40	2.42
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.68	3.48
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	281.74	531.93
		=		Y	4.26	9.80
ND		ND		Y	0.00	0.00
		=		Y	12.41	29.54
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
		=		Y	1.87	10.95
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00
ND		ND		Y	0.00	0.00

ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
	=	Y	5.00	14.75
ND	ND	Y	0.00	0.00
J	=	Y	0.57	2.02
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
ND	ND	Y	0.00	0.00
J	=	Y	1.20	4.91

ND	ND	0.00	0.00			
ND	ND	0.00	0.00			
ND	ND	0.00	0.00			

SAMPLE CALCULATION

EPA Method TO-15 Modified Full Scan GC/MS

SDG:		**2E+05**
Laboratory Number:		**39**
Standard Volume	STV	10.0 ml
Sample Volume	SV	100 ml
Can Dilution Factor	CDF	1.00
Gas Constant		24.42
Decimal Places:		2

Sample Calculation:

1) Avg RFn = Sum [(Astdni) (Cistdi) / (Cstdni) (Aistdi)] i — Note: 1

2) Raw Amt = (Ansamp) (Cistdi) / (Avg RFn) (Aistdi) = **Cn**

3) Amount ppbv = (Raw Amt) 1000 (CDF) / (SV)

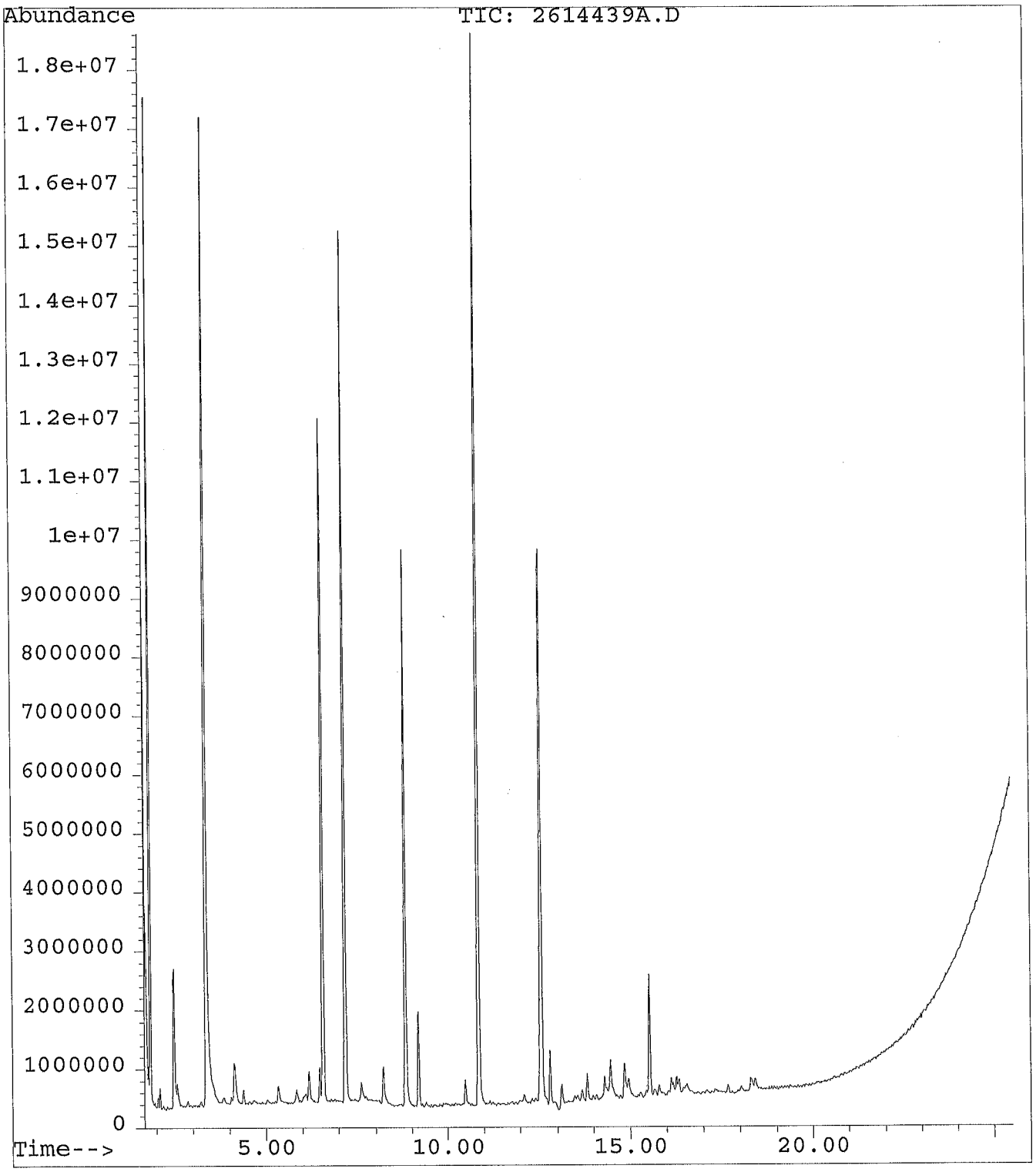
4) Amount ug/m3 = (amt(ppbv) MW / 24.42

n	Compound	IS	Type	MW	AvgRFn	Area Ansamp	Cistdi ppmv	Aistdi Ais	**Cn** ppmV Raw Amt	Amount PPBV	Amount UG/M3
2	Propylene	PFB	SA	42.1	0.429	123124	20.0	10220136	0.140	1.40	2.42
3	Dichlorodifluoromethane	PFB	SA	120.9	0.986	0	20.0	10220136	0.000	0.00	0.00
4	Methanol	PFB	SA	32.0	0.397	0	20.0	10220136	0.000	0.00	0.00
5	Chloromethane	PFB	SA	50.5	0.699	240123	20.0	10220136	0.168	1.68	3.48
6	1,2-Dichlorotetrafluoroethane	PFB	SA	170.9	1.135	0	20.0	10220136	0.000	0.00	0.00
7	Vinyl chloride	PFB	SA	62.5	0.617	0	20.0	10220136	0.000	0.00	0.00
8	1,3-Butadiene	PFB	SA	54.1	0.326	0	20.0	10220136	0.000	0.00	0.00
9	Bromomethane	PFB	SA	94.9	0.331	0	20.0	10220136	0.000	0.00	0.00
10	Chloroethane	PFB	SA	64.5	0.204	0	20.0	10220136	0.000	0.00	0.00
11	Ethanol	PFB	SA	46.1	0.098	5665664	20.0	10220136	28.174	281.74	531.93
12	Acrolein	PFB	SA	56.1	0.121	105683	20.0	10220136	0.426	4.26	9.80
13	Trichlorofluoromethane	PFB	SA	137.4	0.609	0	20.0	10220136	0.000	0.00	0.00
14	Acetone	PFB	SA	58.1	0.202	512631	20.0	10220136	1.241	12.41	29.54
15	2-propanol (isopropylalcohol)	PFB	SA	60.1	0.927	0	20.0	10220136	0.000	0.00	0.00
16	t-Butyl alcohol	PFB	SA	74.1	0.895	0	20.0	10220136	0.000	0.00	0.00
17	Methyl iodide	PFB	SA	142.9	0.305	23622	20.0	10220136	0.187	1.87	10.95
18	1,1-Dichloroethene	PFB	SA	96.9	0.932	0	20.0	10220136	0.000	0.00	0.00
19	Acrylonitrile	PFB	SA	53.1	0.275	0	20.0	10220136	0.000	0.00	0.00
20	1,1,2-Trichlorotrifluoroethane	PFB	SA	187.4	0.449	0	20.0	10220136	0.000	0.00	0.00
21	Allyl chloride	PFB	SA	76.5	0.055	0	20.0	10220136	0.000	0.00	0.00
22	Methylene chloride	PFB	SA	84.9	0.302	0	20.0	10220136	0.000	0.00	0.00
23	Carbon disulfide	PFB	SA	76.1	0.627	0	20.0	10220136	0.000	0.00	0.00
24	trans-1,2-Dichloroethene	PFB	SA	96.9	0.392	0	20.0	10220136	0.000	0.00	0.00
25	Methyl tert butyl ether	PFB	SA	88.1	0.836	0	20.0	10220136	0.000	0.00	0.00
26	Propionitrile	PFB	SA	55.1	0.260	0	20.0	10220136	0.000	0.00	0.00
27	1,1-Dichloroethane	PFB	SA	99.0	0.724	0	20.0	10220136	0.000	0.00	0.00
28	Ethyl tert butyl ether	PFB	SA	102.2	0.977	0	20.0	10220136	0.000	0.00	0.00
29	Vinyl acetate	PFB	SA	86.1	0.110	0	20.0	10220136	0.000	0.00	0.00
30	2-Butanone (MEK)	PFB	SA	72.1	0.190	194190	20.0	10220136	0.500	5.00	14.75
31	Diisopropyl ether	PFB	SA	102.2	0.258	0	20.0	10220136	0.000	0.00	0.00
32	Hexane	PFB	SA	86.2	1.065	124276	20.0	10220136	0.057	0.57	2.02
33	Methacrylonitrile	PFB	SA	67.1	0.226	0	20.0	10220136	0.000	0.00	0.00
34	Ethyl acetate	PFB	SA	88.1	0.127	0	20.0	10220136	0.000	0.00	0.00
35	Bromochloromethane	PFB	SA	129.4	0.615	0	20.0	10220136	0.000	0.00	0.00

36	Methyl acrylate	PFB	SA	86.1	0.482	0	20.0	10220136	0.000	0.00	0.00
37	Tetrahydrofuran	PFB	SA	72.1	0.188	0	20.0	10220136	0.000	0.00	0.00
38	Isobutyl alcohol	PFB	SA	74.1	0.048	0	20.0	10220136	0.000	0.00	0.00
39	cis-1,2-Dichloroethene	PFB	SA	96.9	0.401	0	20.0	10220136	0.000	0.00	0.00
40	2,2-Dichloropropane	PFB	SA	113.0	0.454	0	20.0	10220136	0.000	0.00	0.00
41	Chloroform	PFB	SA	119.4	0.592	0	20.0	10220136	0.000	0.00	0.00
43	1,1,1-Trichloroethane	14DFB	SA	133.4	0.348	0	20.0	15185806	0.000	0.00	0.00
44	1,2-Dichloroethane	14DFB	SA	99.0	0.322	0	20.0	15185806	0.000	0.00	0.00
45	1,1-Dichloropropene	14DFB	SA	111.0	0.418	0	20.0	15185806	0.000	0.00	0.00
46	Cyclohexane	14DFB	SA	84.2	0.550	0	20.0	15185806	0.000	0.00	0.00
47	Benzene	14DFB	SA	78.1	0.984	414234	20.0	15185806	0.139	1.39	4.43
48	Carbon tetrachloride	14DFB	SA	153.8	0.224	0	20.0	15185806	0.000	0.00	0.00
49	t-Amyl methyl ether	14DFB	SA	102.2	0.764	0	20.0	15185806	0.000	0.00	0.00
50	2,2,4-Trimethylpentane	14DFB	SA	114.2	1.663	0	20.0	15185806	0.000	0.00	0.00
51	n-Heptane	14DFB	SA	100.2	0.306	0	20.0	15185806	0.000	0.00	0.00
52	1,2-Dichloropropane	14DFB	SA	113.0	0.355	0	20.0	15185806	0.000	0.00	0.00
53	1,4 Dioxane	14DFB	SA	88.1	0.212	0	20.0	15185806	0.000	0.00	0.00
54	Dibromomethane	14DFB	SA	173.8	0.262	0	20.0	15185806	0.000	0.00	0.00
55	Trichloroethene (TCE)	14DFB	SA	131.4	0.364	0	20.0	15185806	0.000	0.00	0.00
56	Bromodichloromethane	14DFB	SA	163.8	0.410	0	20.0	15185806	0.000	0.00	0.00
57	Methyl methacrylate	14DFB	SA	100.1	0.270	0	20.0	15185806	0.000	0.00	0.00
58	4-Methyl-2-pentanone (MIBK)	14DFB	SA	100.2	0.326	0	20.0	15185806	0.000	0.00	0.00
59	cis-1,3-Dichloropropene	14DFB	SA	111.0	0.397	0	20.0	15185806	0.000	0.00	0.00
61	Toluene	14DFB	SA	92.1	0.911	0	20.0	15185806	0.000	0.00	0.00
62	trans-1,3-Dichloropropene	14DFB	SA	111.0	0.411	0	20.0	15185806	0.000	0.00	0.00
63	1,1,2-Trichloroethane	14DFB	SA	133.4	0.231	0	20.0	15185806	0.000	0.00	0.00
64	Ethyl methacrylate	14DFB	SA	114.2	0.477	3845	20.0	15185806	0.003	0.03	0.12
65	2-Hexanone	14DFB	SA	100.2	0.556	202279	20.0	15185806	0.120	1.20	4.91
66	1,3-Dichloropropane	14DFB	SA	113.0	0.576	0	20.0	15185806	0.000	0.00	0.00
67	Octane	14DFB	SA	114.2	0.367	0	20.0	15185806	0.000	0.00	0.00
68	Dibromochloromethane	14DFB	SA	208.3	0.426	0	20.0	15185806	0.000	0.00	0.00
69	1,2-Dibromoethane (EDB)	14DFB	SA	187.9	0.596	0	20.0	15185806	0.000	0.00	0.00
70	Tetrachloroethene (PCE)	14DFB	SA	165.8	0.413	0	20.0	15185806	0.000	0.00	0.00
72	Chlorobenzene	d5CB	SA	112.6	0.888	0	20.0	14441081	0.000	0.00	0.00
73	1,1,1,2-Tetrachloroethane	d5CB	SA	167.8	0.269	0	20.0	14441081	0.000	0.00	0.00
74	Ethylbenzene	d5CB	SA	106.2	0.994	0	20.0	14441081	0.000	0.00	0.00
75	m,p-Xylenes	d5CB	SA	106.2	0.842	0	20.0	14441081	0.000	0.00	0.00
76	Nonane	d5CB	SA	128.3	0.844	0	20.0	14441081	0.000	0.00	0.00
77	Styrene	d5CB	SA	104.2	0.617	0	20.0	14441081	0.000	0.00	0.00
78	Bromoform	d5CB	SA	252.7	0.371	0	20.0	14441081	0.000	0.00	0.00
79	o-Xylene	d5CB	SA	106.2	0.860	0	20.0	14441081	0.000	0.00	0.00
80	1,1,2,2-Tetrachloroethane	d5CB	SA	167.8	1.061	0	20.0	14441081	0.000	0.00	0.00
81	1,2,3-Trichloropropane	d5CB	SA	147.4	0.221	0	20.0	14441081	0.000	0.00	0.00
82	t-1,4-Dichloro-2-butene	d5CB	SA	125.0	0.119	0	20.0	14441081	0.000	0.00	0.00
83	n-Propylbenzene	d5CB	SA	120.2	1.450	0	20.0	14441081	0.000	0.00	0.00
84	Isopropylbenzene	d5CB	SA	120.2	0.859	0	20.0	14441081	0.000	0.00	0.00
85	4-Ethyltoluene	d5CB	SA	120.2	0.958	0	20.0	14441081	0.000	0.00	0.00
86	1,3,5-Trimethylbenzene	d5CB	SA	120.2	1.029	0	20.0	14441081	0.000	0.00	0.00
87	Decane	d5CB	SA	142.3	1.258	0	20.0	14441081	0.000	0.00	0.00
88	tert-butyl benzene	d5CB	SA	134.2	1.036	0	20.0	14441081	0.000	0.00	0.00
89	1,2,4-Trimethylbenzene	d5CB	SA	120.2	1.056	0	20.0	14441081	0.000	0.00	0.00
90	i-Butylbenzene	d5CB	SA	134.2	1.625	0	20.0	14441081	0.000	0.00	0.00

91	sec-butylbenzene	d5CB	SA	134.2	1.547	0	20.0	14441081	0.000	0.00	0.00
92	1,3-Dichlorobenzene	d5CB	SA	147.0	0.712	0	20.0	14441081	0.000	0.00	0.00
93	Isopropyltoluene	d5CB	SA	134.2	1.290	0	20.0	14441081	0.000	0.00	0.00
94	Benzyl chloride	d5CB	SA	126.6	0.842	0	20.0	14441081	0.000	0.00	0.00
95	1,4-Dichlorobenzene	d5CB	SA	147.0	0.768	0	20.0	14441081	0.000	0.00	0.00
96	n-Butylbenzene	d5CB	SA	134.2	2.233	0	20.0	14441081	0.000	0.00	0.00
97	1,2-Dichlorobenzene	d5CB	SA	147.0	0.886	0	20.0	14441081	0.000	0.00	0.00
98	1,2-Dibromo-3-chloropropane	d5CB	SA	236.3	0.336	0	20.0	14441081	0.000	0.00	0.00
99	1,2,4-Trichlorobenzene	d5CB	SA	181.4	0.200	0	20.0	14441081	0.000	0.00	0.00
100	Naphthalene	d5CB	SA	128.2	0.440	0	20.0	14441081	0.000	0.00	0.00
101	1,2,3-Trichlorobenzene	d5CB	SA	181.4	0.160	0	20.0	14441081	0.000	0.00	0.00
102	Hexachlorobutadiene	d5CB	TRG	260.8	0.481	0	20.0	14441081	0.000	0.00	0.00
103	1,1-Difluoroethane	d5CB	TRG	66.1	0.000	11828739	20.0	14441081	11.908	119.08	322.11
1	Pentafluorobenzene		IS			10220136	10.0		5.000	0.00	0.00
42	1,4-Difluorobenzene		IS			15185806	10.0		5.000	0.00	0.00
71	Chlorobenzene-d5		IS			14441081	10.0		5.000	0.00	0.00
61	Toluene-d8		SURR			8661835	5.0		2.534	101.36	101

File : C:\MSCHEM\1\DATA\08076B_3\2614439A.D
Operator : SW
Acquired : 7 Aug 126 6:55 pm using AcqMethod B1563_C.M
Instrument : 5970 - MS
Sample Name: T-311
Misc Info : SCHMIDT
Vial Number: 1



Sample Data Packages

SDG Number **226144**

Lab Id Number **40**

Client ID T-312

Analytical Method TO-15

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-15 Modified Full Scan GC/MS

Analytical Method: TO-15

SDG: 226144
Laboratory ID: 40

File Name: 2614440A.D
Description: T-312
Canister: 730
QC_Batch: 080726-MA1

Date Sampled: 7/22/2026 **Time:** 11:23
Date Analyzed: 8/7/2026 **Time:** 19:31
Can Dilution Factor: 1.00
Air Volume: 100 ml

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
115-07-1	Propylene	0.40	1.00	1.67	0.69	1.72	2.87	
75-71-8	Dichlorodifluoromethane	0.60	1.00	ND	2.97	4.95	ND	
67-56-1	Methanol	2.00	2.40	5.74	2.62	3.15	7.53	
74-87-3	Chloromethane	0.60	1.00	1.74	1.24	2.07	3.61	
76-14-2	1,2-Dichlorotetrafluoroethane	0.40	1.00	ND	2.80	7.00	ND	
75-01-4	Vinyl chloride	0.20	1.00	ND	0.52	2.56	ND	
106-99-0	1,3-Butadiene	0.20	1.00	ND	0.45	2.22	ND	
74-83-9	Bromomethane	0.40	1.00	1.20	1.55	3.89	4.65	
75-00-3	Chloroethane	0.40	1.00	ND	1.06	2.64	ND	
64-17-5	Ethanol	2.00	12.84	76.40	3.78	24.24	144.24	
107-02-8	Acrolein	0.40	1.20	6.29	0.92	2.76	14.44	
75-69-4	Trichlorofluoromethane	0.40	1.00	ND	2.25	5.63	ND	
67-64-1	Acetone	2.00	2.40	30.64	4.76	5.71	72.92	
67-63-0	2-propanol (isopropylalcohol)	0.80	5.00	ND	1.97	12.31	ND	
75-65-0	t-Butyl alcohol	0.40	4.00	ND	1.21	12.14	ND	
4227-95-6	Methyl iodide	0.40	1.20	1.88	2.34	7.02	11.01	
75-35-4	1,1-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	
107-13-1	Acrylonitrile	0.80	1.20	ND	1.74	2.61	ND	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.20	1.00	ND	1.53	7.67	ND	
107-05-1	Allyl chloride	0.20	4.00	ND	0.63	12.53	ND	
75-09-2	Methylene chloride	0.20	1.00	ND	0.70	3.48	ND	
75-15-0	Carbon disulfide	0.40	1.00	ND	1.25	3.12	ND	
156-60-5	trans-1,2-Dichloroethene	0.20	0.80	ND	0.79	3.17	ND	
1634-04-4	Methyl tert butyl ether	0.40	0.80	ND	1.44	2.89	ND	
107-12-0	Propionitrile	1.00	1.60	ND	2.26	3.61	ND	
75-34-3	1,1-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
637-92-3	Ethyl tert butyl ether	0.40	1.00	ND	1.67	4.19	ND	
108-05-4	Vinyl acetate	0.20	4.00	ND	0.71	14.10	ND	
78-93-3	2-Butanone (MEK)	0.40	1.20	14.35	1.18	3.54	42.37	
108-20-3	Diisopropyl ether	0.40	2.40	ND	1.67	10.05	ND	
110-54-3	Hexane	0.40	1.00	0.85	1.41	3.53	3.01	J
126-98-7	Methacrylonitrile	0.40	1.00	ND	1.10	2.75	ND	
141-78-6	Ethyl acetate	0.40	1.00	ND	1.44	3.61	ND	
74-97-5	Bromochloromethane	0.20	1.00	ND	1.06	5.30	ND	
96-33-3	Methyl acrylate	0.40	2.00	ND	1.41	7.05	ND	
109-99-9	Tetrahydrofuran	0.20	1.20	ND	0.59	3.54	ND	
78-83-1	Isobutyl alcohol	0.80	3.20	ND	2.43	9.71	ND	
156-59-2	cis-1,2-Dichloroethene	0.20	1.00	ND	0.79	3.97	ND	

CAS#	Compound	MDL PPBV	RL PPBV	Amount PPBV	MDL UG/M3	RL UG/M3	Amount UG/M3	Flag
594-20-7	2,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
67-66-3	Chloroform	0.20	1.00	ND	0.98	4.89	ND	
71-55-6	1,1,1-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
107-06-2	1,2-Dichloroethane	0.20	1.00	ND	0.81	4.05	ND	
563-58-6	1,1-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
110-82-7	Cyclohexane	0.20	1.00	ND	0.69	3.45	ND	
71-43-2	Benzene	1.40	2.00	1.90	4.48	6.40	6.08	J
56-23-5	Carbon tetrachloride	0.20	1.00	ND	1.26	6.30	ND	
994-05-8	t-Amyl methyl ether	0.40	2.00	ND	1.67	8.37	ND	
540-84-1	2,2,4-Trimethylpentane	0.20	1.00	ND	0.94	4.68	ND	
142-82-5	n-Heptane	0.40	1.00	ND	1.64	4.10	ND	
78-87-5	1,2-Dichloropropane	0.20	1.00	ND	0.93	4.63	ND	
123-91-1	1,4 Dioxane	0.40	2.00	ND	1.44	7.22	ND	
74-95-3	Dibromomethane	0.20	1.00	ND	1.42	7.12	ND	
79-01-6	Trichloroethene (TCE)	0.10	1.00	ND	0.54	5.38	ND	
75-27-4	Bromodichloromethane	0.20	1.00	ND	1.34	6.71	ND	
80-62-6	Methyl methacrylate	0.40	1.00	ND	1.64	4.10	ND	
108-10-1	4-Methyl-2-pentanone (MIBK)	0.40	3.20	ND	1.64	13.13	ND	
10061-01-5	cis-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
108-88-3	Toluene	0.80	1.00	ND	3.02	3.77	ND	
10061-02-6	trans-1,3-Dichloropropene	0.20	1.00	ND	0.91	4.55	ND	
79-00-5	1,1,2-Trichloroethane	0.20	1.00	ND	1.09	5.46	ND	
97-63-2	Ethyl methacrylate	0.40	1.00	ND	1.87	4.68	ND	
591-78-6	2-Hexanone	0.40	3.20	3.43	1.64	13.13	14.07	
142-28-9	1,3-Dichloropropane	0.20	2.80	ND	0.93	12.96	ND	
111-65-9	Octane	0.40	1.00	ND	1.87	4.68	ND	
124-48-1	Dibromochloromethane	0.40	1.00	ND	3.41	8.53	ND	
106-93-4	1,2-Dibromoethane (EDB)	0.40	1.00	ND	3.08	7.70	ND	
127-18-4	Tetrachloroethene (PCE)	0.10	1.00	ND	0.68	6.79	ND	
108-90-7	Chlorobenzene	0.40	1.00	ND	1.84	4.61	ND	
630-20-6	1,1,1,2-Tetrachloroethane	0.40	1.00	ND	2.75	6.87	ND	
100-41-4	Ethylbenzene	0.40	1.00	ND	1.74	4.35	ND	
1330-20-7	m,p-Xylenes	0.40	1.00	ND	1.74	4.35	ND	
111-84-2	Nonane	0.40	1.00	ND	2.10	5.25	ND	
100-42-5	Styrene	0.60	1.00	ND	2.56	4.27	ND	
75-25-2	Bromoform	0.40	1.00	ND	4.14	10.35	ND	
95-47-6	o-Xylene	0.40	1.00	ND	1.74	4.35	ND	
79-34-5	1,1,2,2-Tetrachloroethane	0.80	2.00	ND	5.50	13.74	ND	
96-18-4	1,2,3-Trichloropropane	0.80	2.40	ND	4.83	14.49	ND	
110-57-6	t-1,4-Dichloro-2-butene	0.80	2.40	ND	4.10	12.29	ND	
103-65-1	n-Propylbenzene	0.80	2.80	ND	3.94	13.78	ND	
98-82-8	Isopropylbenzene	0.80	2.80	ND	3.94	13.78	ND	
622-96-8	4-Ethyltoluene	0.80	6.40	ND	3.94	31.51	ND	
108-67-8	1,3,5-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
124-18-5	Decane	0.80	2.40	ND	4.66	13.99	ND	
98-06-6	tert-butyl benzene	0.80	2.40	ND	4.40	13.19	ND	
95-63-6	1,2,4-Trimethylbenzene	0.80	3.60	ND	3.94	17.72	ND	
538-93-2	i-Butylbenzene	0.80	2.40	ND	4.40	13.19	ND	
135-98-8	sec-butylbenzene	0.80	2.80	ND	4.40	15.39	ND	
541-73-1	1,3-Dichlorobenzene	0.80	3.20	ND	4.82	19.27	ND	
99-87-6	Isopropyltoluene	0.80	2.40	ND	4.40	13.19	ND	
100-44-7	Benzyl chloride	0.80	2.00	ND	4.15	10.37	ND	

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					4.3		4.34		
					0.0			0.00	
47.6						47.62			
					32.4		32.39		
67.3						67.33			
	0.0					0.00			
					3.3		3.31		
44.2						44.21			
					0.0		0.00		
					0.0		0.00		
	40.0					39.99			
					5.0		5.00		
5.9						5.92			
					14.8		14.78		
					0.0		0.00		
	1.6					1.65			
				31.1					31.14
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
38.6						38.64			
				3.4					3.40
	1.6					1.59			
		13.5							
				15.3		15.34			
	0.0					0.00			
	24.8					24.78			
	6.0					5.99			
	0.0					0.00			
2.9						2.86			
				4.0					3.96
	6.3					6.25			
		13.2							
	0.0					0.00			
	53.1					53.06			
5.4						5.43			
			8.3						

		11.9							
		0.0							
		10.9							
0.0						0.00			
		14.0							
		0.0							
		0.0							
		0.0							
		7.1							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
212.0	133.3	78.8	53.8	59.8	0.0	360.7	59.8	0.0	38.5

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

13.55

13.22

8.28

11.85
0.00
10.90

13.97
0.00
0.00
0.00
7.06
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	78.8	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		60	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

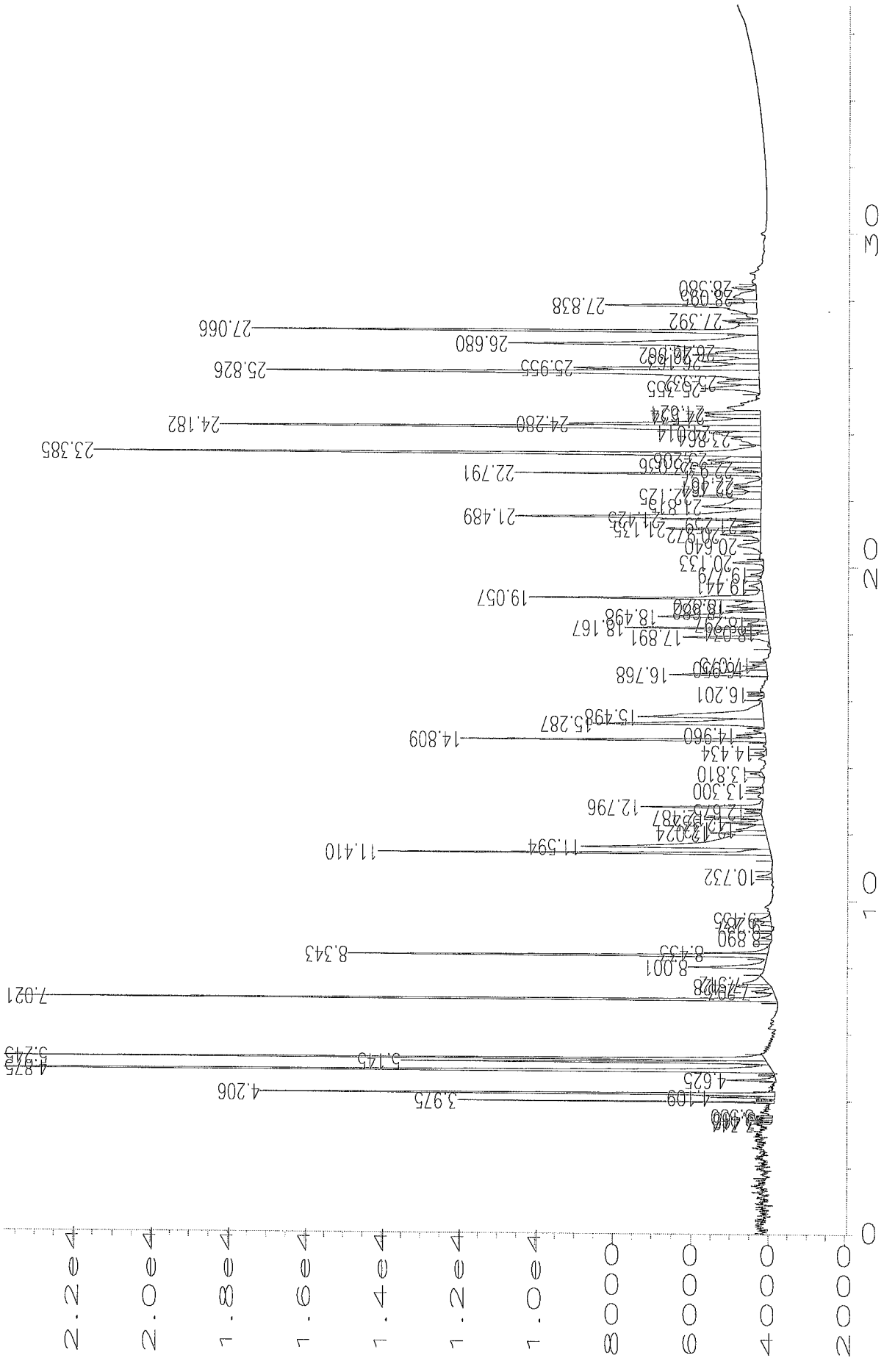
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.67E+04	3408	4.3	2.17	2.50
Acetylene	2	TRG	26.0	1.67E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.67E+04	37356	47.6	23.81	29.37
Propene	3	TRG	42.1	1.67E+04	25408	32.4	10.80	18.63
Propane	3	TRG	44.1	1.67E+04	52814	67.3	22.44	40.56
i-Butane	4	TRG	58.1	1.67E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.67E+04	2593	3.3	0.83	1.90
n-Butane	4	TRG	58.1	1.67E+04	34678	44.2	11.05	26.32
t-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.67E+04	31371	40.0	8.00	23.67
1-Pentene	5	TRG	70.1	1.67E+04	3922	5.0	1.00	2.87
n-Pentane	5	TRG	72.1	1.67E+04	4643	5.9	1.18	3.50
t-2-Pentene	5	TRG	70.1	1.67E+04	11593	14.8	2.96	8.49
c-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.67E+04	1294	1.6	0.27	0.97
Cyclopentane	5	TRG	70.1	1.67E+04	24432	31.1	6.23	17.90
2,3-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.67E+04	30311	38.6	6.44	22.75
Methylcyclopentane	6	TRG	84.2	1.67E+04	2671	3.4	0.57	1.96
2,4-Dimethylpentane	7	TRG	100.2	1.67E+04	1251	1.6	0.23	0.94
Benzene	6	TRG	78.1	1.67E+04	10629	13.5	2.26	7.23
Cyclohexane	6	TRG	84.2	1.67E+04	12030	15.3	2.56	8.82
2-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.67E+04	19438	24.8	3.54	14.54
3-Methylhexane	7	TRG	100.2	1.67E+04	4699	6.0	0.86	3.51
2,2,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.67E+04	2247	2.9	0.41	1.68
Methylcyclohexane	7	TRG	98.2	1.67E+04	3108	4.0	0.57	2.28
2,3,4-Trimethylpentane	8	TRG	114.2	1.67E+04	4906	6.3	0.78	3.66
Toluene	7	TRG	92.1	1.67E+04	10371	13.2	1.89	7.13
2-Methylheptane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.67E+04	41621	53.1	6.63	31.04
n-Octane	8	TRG	114.2	1.67E+04	4261	5.4	0.68	3.18
Ethylbenzene	8	TRG	106.2	1.67E+04	6494	8.3	1.03	4.50

m,p-xylene	8	TRG	106.2	1.67E+04	9298	11.9	1.48	6.45
Styrene	8	TRG	104.2	1.67E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.67E+04	8553	10.9	1.36	5.93
n-Nonane	9	TRG	128.3	1.67E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.67E+04	10956	14.0	1.55	7.64
n-propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.67E+04	5535	7.1	0.78	3.86
2-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.67E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.67E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.67E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.67E+04	421891	537.8	89.64	316.66
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.67E+04	421891	537.8	537.81	352.66

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Sample Data Packages

SDG Number **226144**

Lab Id Number **61**

Client ID T-505

Analytical Method TO-12

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Canister: 627
QC_Batch: 082726-GCK

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 08/27/2026 **Time:** 15:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	2.78	2.30	6.91	3.20	J
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.09	2.47	7.40	29.71	
115-07-1	Propene	1.33	4.00	3.47	2.30	6.90	5.98	J
74-98-6	Propane	1.33	4.00	5.90	2.41	7.23	10.67	
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	1.05	2.30	6.90	2.41	J
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	2.84	2.30	6.90	8.16	
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	1.33	2.34	7.02	6.24	J
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	1.15	2.14	6.41	4.90	J
95-47-6	o-xylene	0.50	1.50	0.64	2.18	6.53	2.78	J
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	2.02	2.19	6.57	9.93	
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	1.13	2.19	6.57	5.57	J
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	0.85	2.20	6.60	4.67	J
105-05-5	1,4-Diethylbenzene	0.40	1.20	0.56	2.20	6.60	3.06	J
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	30.75	26.50	79.49	108.63	
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	184.50	29.51	88.52	120.99	

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **61**
File Name: **2614461A** **B**
Sample ID: **T-505**
Sampled: **7/24/2026**
Received: **07/24/26**
Analyzed: **08/27/2026**
QCBatch: **082726-GCK**
Can: **627**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:36** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **15:56** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **301743**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.09	**4.08**	4361	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.13			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	4.20	37792	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.17**	8163	I	I	H	289	290
74-98-6	Propane	P	5.20	**5.20**	5.28	13887	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.68**						127	351
106-98-9	1-Butene	P	7.29	7.37	**7.22**	1110	I	O	M	363	367
106-97-8	n-Butane	P	8.34	**8.34**	8.34		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75	**8.77**	1190	I	I	H	410	410
590-18-1	c-2-Butene	P	9.63	9.63	**9.61**	3290	I	I	H	431	431
78-78-4	i-Pentane	P	11.37	11.38	**11.41**		I	I	H	474	473
109-67-1	1-Pentene	P	12.30	12.31	**12.34**		I	I	H	496	495
109-66-0	n-Pentane	P	12.48	**12.49**	12.49		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.80	**12.80**		I	I	H	508	510
627-20-3	c-2-Pentene	P	13.08	13.09	**13.19**	11142	I	I	H	519	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.78						163	537
287-92-3	Cyclopentane	P	14.88	14.89	**14.81**		I	O	M	563	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.07						163	570
107-83-5	2-Methylpentane	P	15.08	15.09						163	571
96-14-0	3-Methylpentane	P	15.55	15.56	**15.50**		I	I	H	581	583
110-54-3	n-Hexane	P	16.17	**16.18**	16.20		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.89	**16.86**	1142	I	I	H	620	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.08	**17.05**	1938	I	I	H	626	626
71-43-2	Benzene	P	17.87	**17.90**	17.89		I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.16	**18.17**		I	I	H	661	658
591-76-4	2-Methylhexane	P	18.38	18.40						100	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47	**18.50**		I	I	H	671	671
589-34-4	3-Methylhexane	P	18.66	18.68	**18.68**		I	I	H	677	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.20**	1261	I	I	H	693	690
142-82-5	n-Heptane	P	19.41	19.43	19.44		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11	**20.13**		I	I	H	724	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95	**20.97**		I	I	H	752	753
108-88-3	Toluene	P	21.12	**21.14**	21.14		I	I	H	758	758
592-27-8	2-Methylheptane	P	21.33	21.35						34	768
589-81-1	3-Methylheptane	p	21.55	21.57	**21.58**	8366	I	I	H	773	775
111-65-9	n-Octane	P	22.27	22.29	22.36		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.77	**23.86**		I	O	M	859	855
108-38-3	m,p-xylene	P	23.95	23.97	**24.01**		I	I	H	865	863
100-42-5	Styrene	P	24.40	24.42	**24.47**	7198	I	I	H	883	881
95-47-6	o-xylene	P	24.57	24.59	**24.68**	4012	I	O	M	891	886
111-84-2	n-Nonane	P	24.87	24.89	**24.90**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.38	**25.36**		I	I	H	919	919
103-65-1	n-propylbenzene	P	25.93	25.95	**25.93**	14237	I	O	M	944	947
620-14-4	3-Ethyltoluene	P	26.17	26.19	**26.22**	2391	I	I	H	956	957
622-96-8	4-Ethyltoluene	P	26.26	26.28	**26.22**	2391	I	O	M	956	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.47	**26.45**	1851	I	I	H	966	964
611-14-3	2-Ethyltoluene	P	26.61	26.63						-155	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.10	**27.10**	7981	I	I	H	993	991
124-18-5	n-Decane	P	27.26	27.28	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.57						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.12	**28.14**	6661	I	I	H	1034	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.25	**28.25**	4371	I	I	H	1038	1037
1120-21-4	Undecane	P	29.86	29.86	**29.86**		I	I	H	1100	1100
112-40-3	Dodecane	P	32.46	32.46	**32.46**		I	I	H	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**144735**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					144735		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					144735		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082726-GCK		
Hexane Std Area:	301743		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	5.56	2.78	3.20	5.56	2.78	3.20	3.20
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	48.18	24.09	29.71	48.18	24.09	29.71	29.71
Propene	42.1	3	10.41	3.47	5.98	10.41	3.47	5.98	5.98
Propane	44.1	3	17.70	5.90	10.67	17.70	5.90	10.67	10.67
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	1.41	0.35	0.81	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	1.52	0.38	0.87	ND	ND	ND	0
c-2-Butene	56.1	4	4.19	1.05	2.41	4.19	1.05	2.41	2.41
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	14.20	2.84	8.16	14.20	2.84	8.16	8.16
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	1.46	0.24	0.84	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	2.47	0.35	1.45	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	1.61	0.20	0.94	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	10.66	1.33	6.24	10.66	1.33	6.24	6.24
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	9.18	1.15	4.90	9.18	1.15	4.90	4.90
o-xylene	106.2	8	5.11	0.64	2.78	5.11	0.64	2.78	2.78
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	18.15	2.02	9.93	18.15	2.02	9.93	9.93
3-Ethyltoluene	120.2	9	3.05	0.34	1.67	ND	ND	ND	0
4-Ethyltoluene	120.2	9	3.05	0.34	1.67	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	2.36	0.26	1.29	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	10.17	1.13	5.57	10.17	1.13	5.57	5.57
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	8.49	0.85	4.67	8.49	0.85	4.67	4.67
1,4-Diethylbenzene	134.2	10	5.57	0.56	3.06	5.57	0.56	3.06	3.06
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	184.50	30.8	108.6	184.50	30.75	108.63	108.63
Total Non-Methane Hydrocarbons-C1	16	1.0	184.50	184.5	121.0	184.50	184.50	120.99	120.99

SDG: **226144**
Laboratory Number: **61**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
3.20	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	J	=		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
29.71	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
5.98	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
10.67	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
2.41	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
8.16	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0		=		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
6.24	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	J	=		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.90	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	J	=	Y
2.78	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	J	=	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
9.93	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0		=	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
5.57	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	J	=	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.67	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
3.06	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	J	=	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
108.63	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0		=	Y
120.99	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0		=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					5.6		5.56		
					0.0			0.00	
48.2						48.18			
					10.4		10.41		
17.7						17.70			
		0.0				0.00			
					1.4		1.41		
0.0						0.00			
					1.5		1.52		
					4.2		4.19		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					14.2		14.20		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				1.5					1.46
		2.5				2.47			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		1.6				1.61			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		10.7				10.66			
0.0						0.00			
			0.0						

		0.0							
		9.2							
		5.1							
0.0						0.00			
		0.0							
		18.1							
		3.0							
		3.0							
		2.4							
		0.0							
		10.2							
0.0						0.00			
		0.0							
		8.5							
		5.6							
0.0						0.00			
0.0						0.00			
65.9	14.7	65.1	1.5	37.3	0.0	80.6	37.3	0.0	1.5

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
9.18
5.11

0.00
18.15
3.05
3.05
2.36
0.00
10.17

0.00
8.49
5.57

0.0	0.0	0.0	0.0	65.1	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		61	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum |(Astdni) / (Cstdni)|i

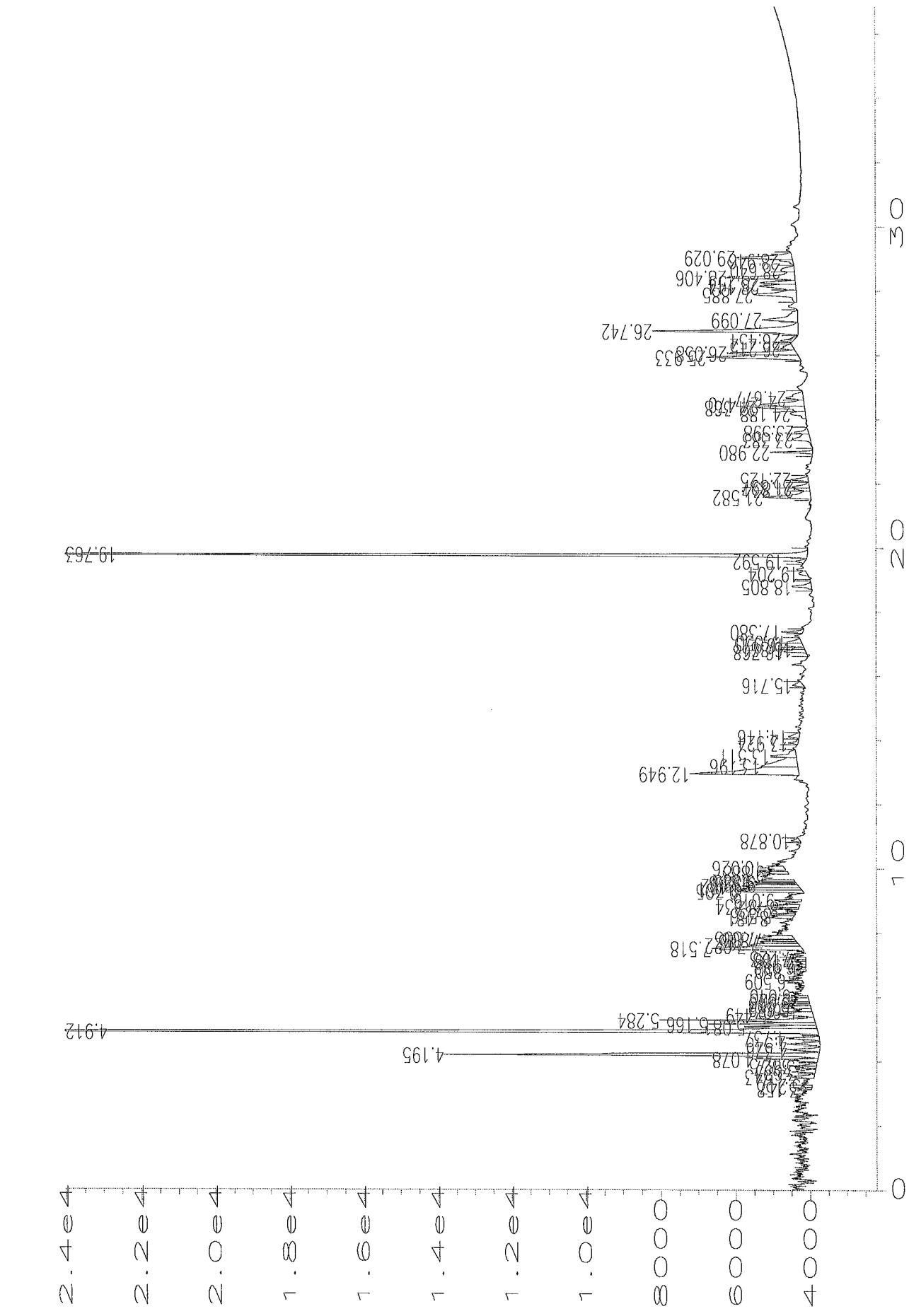
2) ppbC = (6 Carbons / (Avg RFn)) × Ansamp × CDF × 1000 = **Cn**

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.67E+04	4361	5.6	2.78	3.20
Acetylene	2	TRG	26.0	1.67E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.67E+04	37792	48.2	24.09	29.71
Propene	3	TRG	42.1	1.67E+04	8163	10.4	3.47	5.98
Propane	3	TRG	44.1	1.67E+04	13887	17.7	5.90	10.67
i-Butane	4	TRG	58.1	1.67E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.67E+04	1110	1.4	0.35	0.81
n-Butane	4	TRG	58.1	1.67E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.67E+04	1190	1.5	0.38	0.87
c-2-Butene	4	TRG	56.1	1.67E+04	3290	4.2	1.05	2.41
i-Pentane	5	TRG	72.2	1.67E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.67E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.67E+04	11142	14.2	2.84	8.16
2,2-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.67E+04	1142	1.5	0.24	0.84
2,4-Dimethylpentane	7	TRG	100.2	1.67E+04	1938	2.5	0.35	1.45
Benzene	6	TRG	78.1	1.67E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.67E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.67E+04	1261	1.6	0.20	0.94
n-Heptane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.67E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.67E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.67E+04	8366	10.7	1.33	6.24
n-Octane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.67E+04	7198	9.2	1.15	4.90
o-xylene	8	TRG	106.2	1.67E+04	4012	5.1	0.64	2.78
n-Nonane	9	TRG	128.3	1.67E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.67E+04	14237	18.1	2.02	9.93
3-Ethyltoluene	9	TRG	120.2	1.67E+04	2391	3.0	0.34	1.67
4-Ethyltoluene	9	TRG	120.2	1.67E+04	2391	3.0	0.34	1.67
1,3,5-Trimethylbenzene	9	TRG	120.2	1.67E+04	1851	2.4	0.26	1.29
2-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.67E+04	7981	10.2	1.13	5.57
n-Decane	10	TRG	142.3	1.67E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.67E+04	6661	8.5	0.85	4.67
1,4-Diethylbenzene	10	TRG	134.2	1.67E+04	4371	5.6	0.56	3.06
Undecane	11	TRG	156.3	1.67E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.67E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.67E+04	144735	184.5	30.75	108.63
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.67E+04	144735	184.5	184.50	120.99


C:\HPCHEM\1\DATA\08276K\26144461A.D
4.912
4.195
19.763
12.949
26.742
0
100
200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
2.4

Sample Data Packages

SDG Number **226144**

Lab Id Number **62**

Client ID T-506

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Canister: 760
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 08/19/2026 **Time:** 11:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.54	2.30	6.90	2.66	J
74-98-6	Propane	1.33	4.00	2.76	2.41	7.23	4.98	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.67	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 62
File Name: 2614462A B
Sample ID: T-506
Sampled: 7/24/2026
Received: 07/24/26
Analyzed: 08/19/2026
QCBatch: 081926-GCK
Can: 760
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 10:31 Matrix AA
Time: 16:10 Chem TRG
Time: 11:49 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 313553
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.96			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.00			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.07**	2011	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.17**	3625	I	O	M	293	290
74-98-6	Propane	P	5.20	**5.20**	**5.25**	6485	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.65**						130	351
106-98-9	1-Butene	P	7.29	7.34	**7.23**	0	I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75	**8.71**	3642	I	I	H	409	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					15763		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					15763		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					15763		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081926-GCK		
Hexane Std Area:	313553		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	2.56	1.28	1.58	ND	ND	ND	0
Propene	42.1	3	4.62	1.54	2.66	4.62	1.54	2.66	2.66
Propane	44.1	3	8.27	2.76	4.98	8.27	2.76	4.98	4.98
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	4.64	1.16	2.67	4.64	1.16	2.67	2.67
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
I-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	20.09	3.3	11.8	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	20.09	20.1	13.2	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **62**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
2.66	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
4.98	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.67	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
	2.6					2.56			
					4.6		4.62		
	8.3					8.27			
		0.0				0.00			
					0.0		0.00		
	0.0					0.00			
					4.6		4.64		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
	0.0					0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
	0.0					0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
	0.0					0.00			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
10.8	0.0	0.0	0.0	9.3	0.0	10.8	9.3	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		62	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{(\text{Avg RFn}) \times \text{SV}} = \text{Cn}$

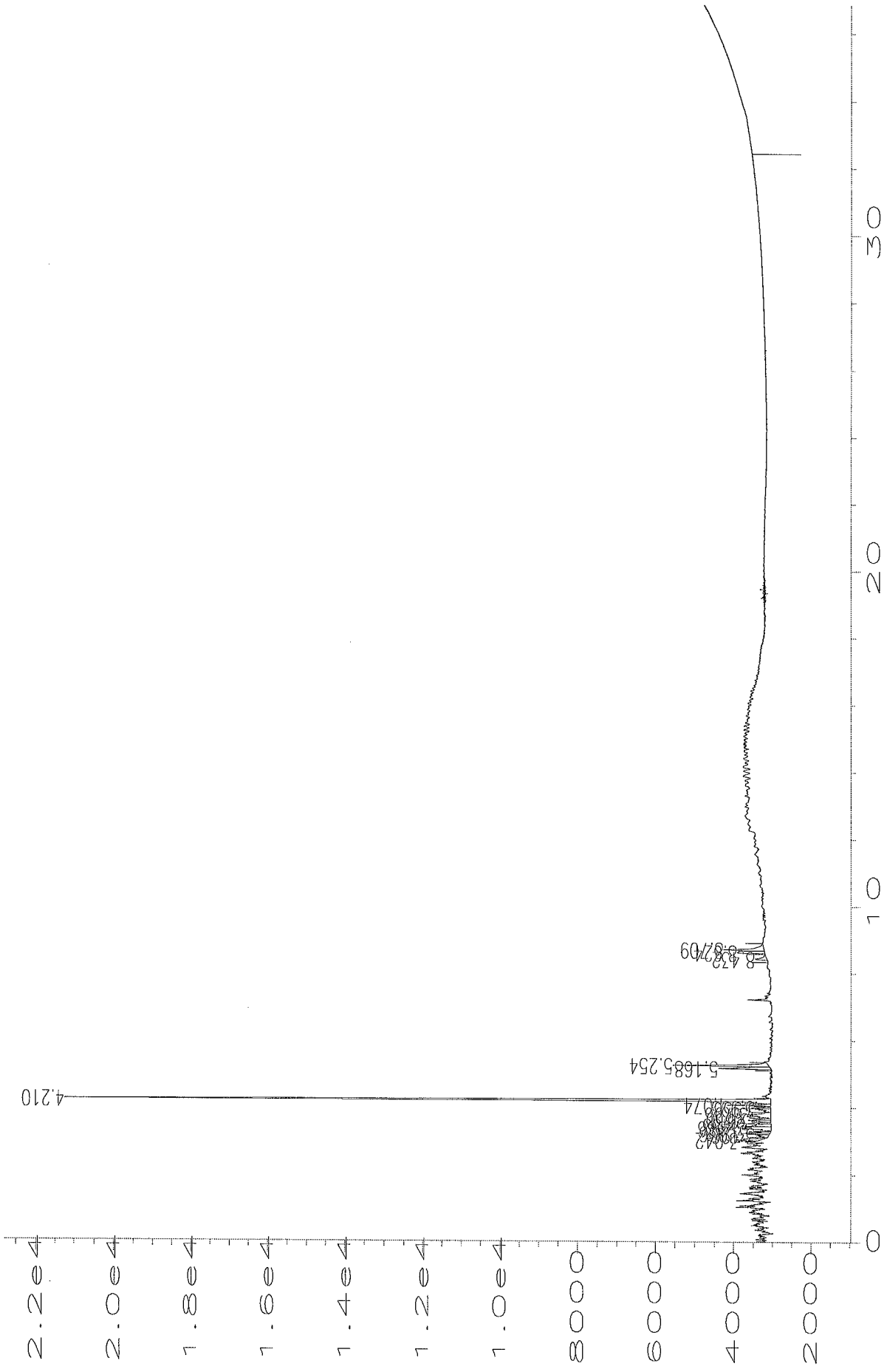
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \times \text{MW})}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.74E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.74E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.74E+04	2011	2.6	1.28	1.58
Propene	3	TRG	42.1	1.74E+04	3625	4.6	1.54	2.66
Propane	3	TRG	44.1	1.74E+04	6485	8.3	2.76	4.98
i-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.74E+04	3642	4.6	1.16	2.67
c-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.74E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.74E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.74E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.74E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.74E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.74E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.74E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.74E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.74E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.74E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.74E+04	15763	20.1	3.35	11.83
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.74E+04	15763	20.1	20.09	13.18

C:\HPCHEM\1\DATA\081196K\26144462A.D



Sample Data Packages

SDG Number **226144**

Lab Id Number **63**

Client ID T-507

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Canister: 696
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 08/19/2026 **Time:** 12:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.53	J
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.66	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **63**
File Name: **2614463A** **B**
Sample ID: **T-507**
Sampled: **7/24/2026**
Received: **07/24/26**
Analyzed: **08/19/2026**
QCBatch: **081926-GCK**
Can: **696**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **10:37** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **12:37** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **313553**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.96			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.00			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.07**	2391	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.16**	3447	I	I	H	293	290
74-98-6	Propane	P	5.20	**5.20**	**5.25**	6616	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.65**						130	351
106-98-9	1-Butene	P	7.29	7.34	**7.24**	1596	I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75	**8.69**	3626	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					17676		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					17676		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					17676		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081926-GCK		
Hexane Std Area:	313553		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	3.05	1.52	1.88	ND	ND	ND	0
Propene	42.1	3	4.39	1.46	2.53	4.39	1.46	2.53	2.53
Propane	44.1	3	8.43	2.81	5.08	8.43	2.81	5.08	5.08
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.03	0.51	1.17	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	4.62	1.16	2.66	4.62	1.16	2.66	2.66
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

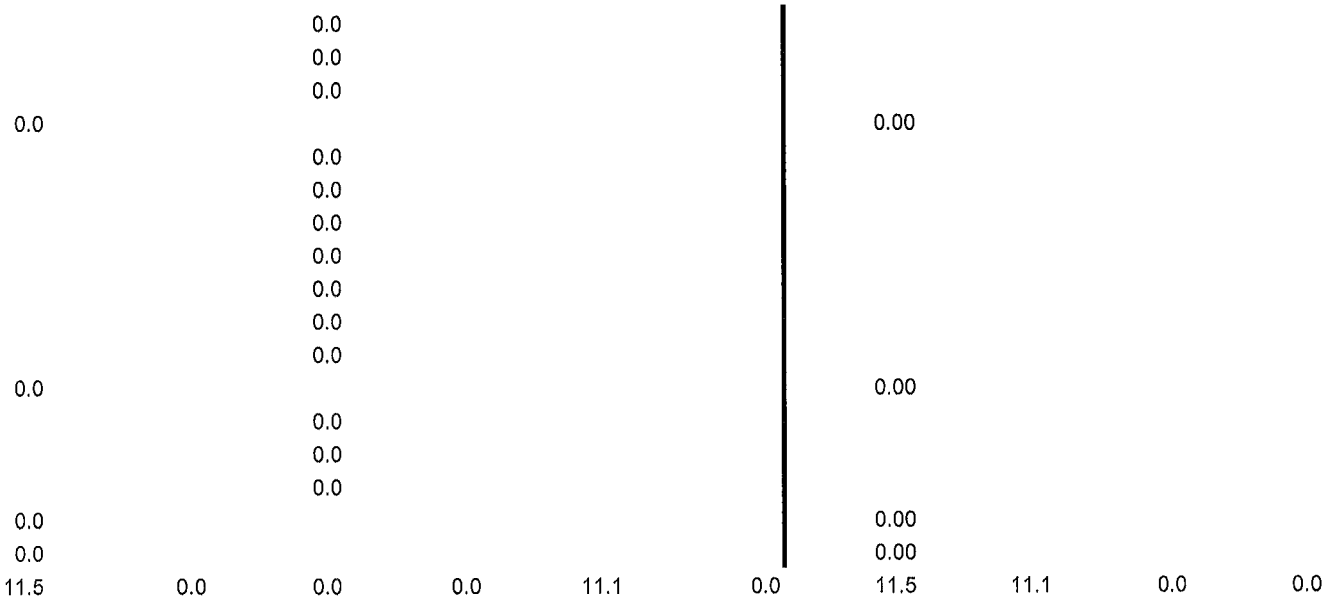
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	22.53	3.8	13.3	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	22.53	22.5	14.8	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **63**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
2.53	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
5.08	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.66	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
	3.0					3.05			
					4.4		4.39		
	8.4					8.43			
		0.0				0.00			
					2.0		2.03		
	0.0					0.00			
					4.6		4.62		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
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		0.0				0.00			
		0.0				0.00			
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11.5
11.1
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		63	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

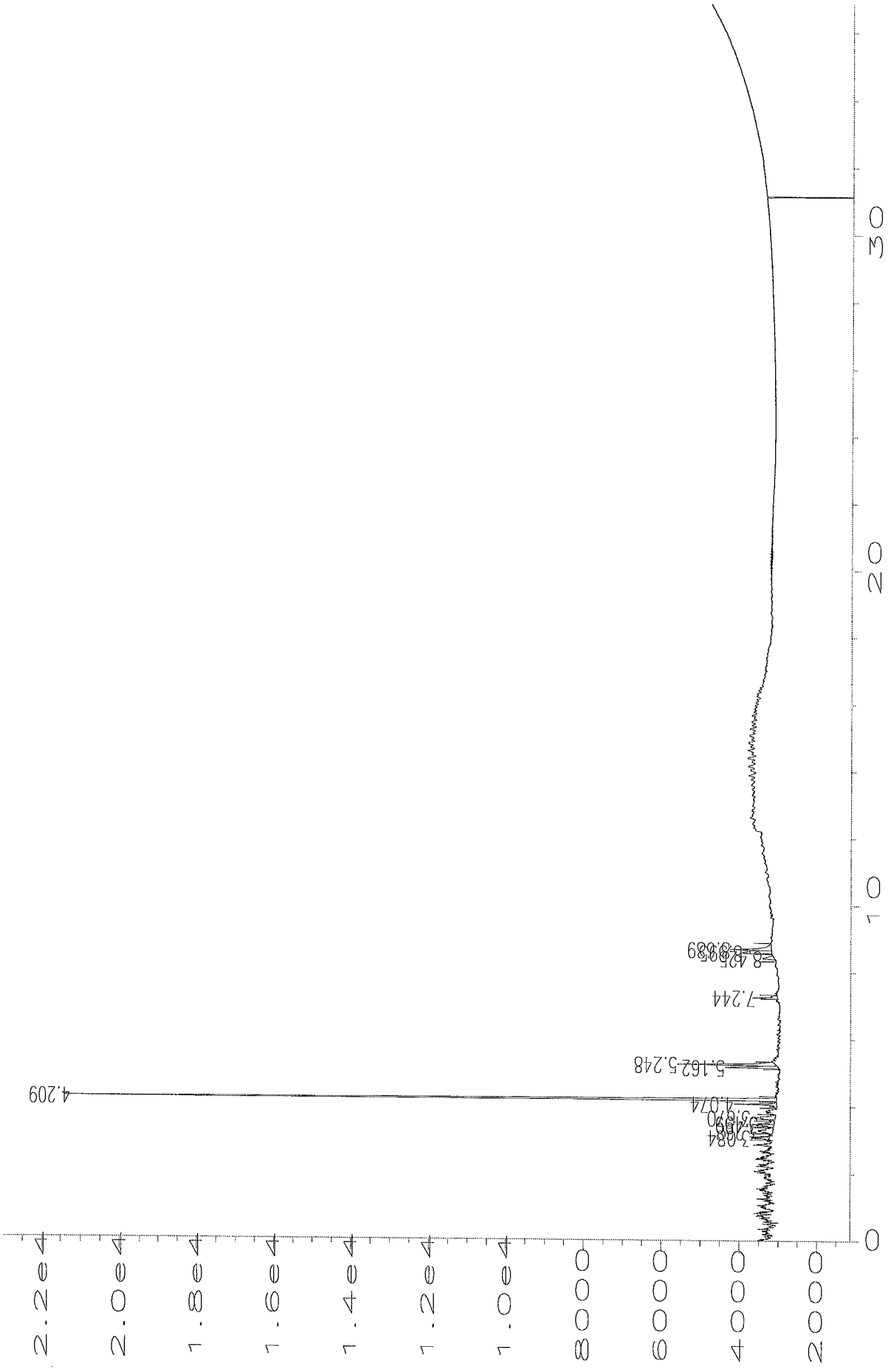
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.74E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.74E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.74E+04	2391	3.0	1.52	1.88
Propene	3	TRG	42.1	1.74E+04	3447	4.4	1.46	2.53
Propane	3	TRG	44.1	1.74E+04	6616	8.4	2.81	5.08
i-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.74E+04	1596	2.0	0.51	1.17
n-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.74E+04	3626	4.6	1.16	2.66
c-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.74E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.74E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.74E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.74E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.74E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.74E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.74E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.74E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.74E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.74E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.74E+04	17676	22.5	3.76	13.27
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.74E+04	17676	22.5	22.53	14.78

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Sample Data Packages

SDG Number **226144**

Lab Id Number **64**

Client ID T-508

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 64

File Name: 2614464A
Description: T-508
Canister: 768
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 10:33
Date Analyzed: 08/19/2026 **Time:** 13:49
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	2.11	2.30	6.90	3.65	J
74-98-6	Propane	1.33	4.00	2.92	2.41	7.23	5.28	J
75-28-5	i-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	1.16	2.30	6.90	2.66	J
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 64
File Name: 2614464A B
Sample ID: T-508
Sampled: 7/24/2026
Received: 07/24/26
Analyzed: 08/19/2026
QCBatch: 081926-GCK
Can: 768
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 10:33 Matrix AA
Time: 16:10 Chem TRG
Time: 13:49 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 313553
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.96			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.00			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.07**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**4.89**	4972	I	O	M	293	290
74-98-6	Propane	P	5.20	**5.20**	**4.95**	6870	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.35**	**6.30**	7834	I	O	M	340	351
106-98-9	1-Butene	P	7.29	7.04	**7.09**	2301	I	O	M	363	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75	**8.69**	3626	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**25603**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					25603		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					25603		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081926-GCK		
Hexane Std Area:	313553		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	6.34	2.11	3.65	6.34	2.11	3.65	3.65
Propane	44.1	3	8.76	2.92	5.28	8.76	2.92	5.28	5.28
i-Butane	58.1	4	9.99	2.50	5.94	9.99	2.50	5.94	5.94
1-Butene	56.1	4	2.93	0.73	1.69	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	4.62	1.16	2.66	4.62	1.16	2.66	2.66
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

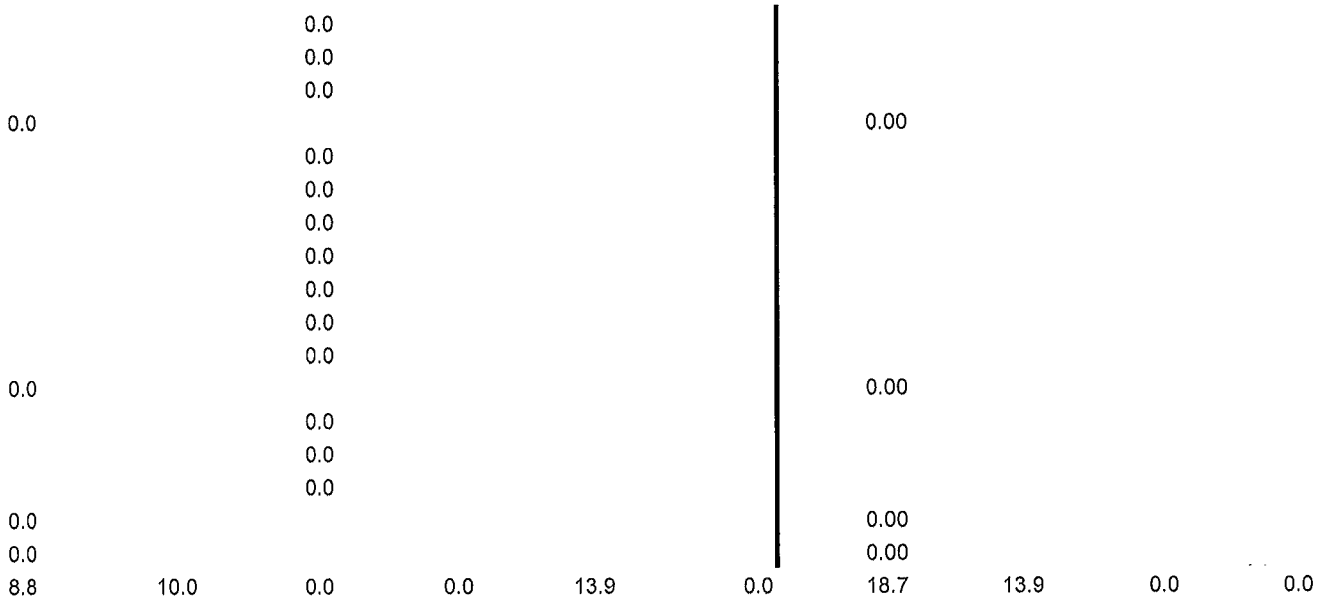
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	32.64	5.4	19.2	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	32.64	32.6	21.4	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **64**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
3.65	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
5.28	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
5.94	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.66	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					6.3		6.34		
8.8						8.76			
		10.0				9.99			
					2.9		2.93		
0.0						0.00			
					4.6		4.62		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		64	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdnl})}{(\text{Cstdnl})}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{(\text{Avg RFn}) \times \text{SV}} = \textbf{Cn}$

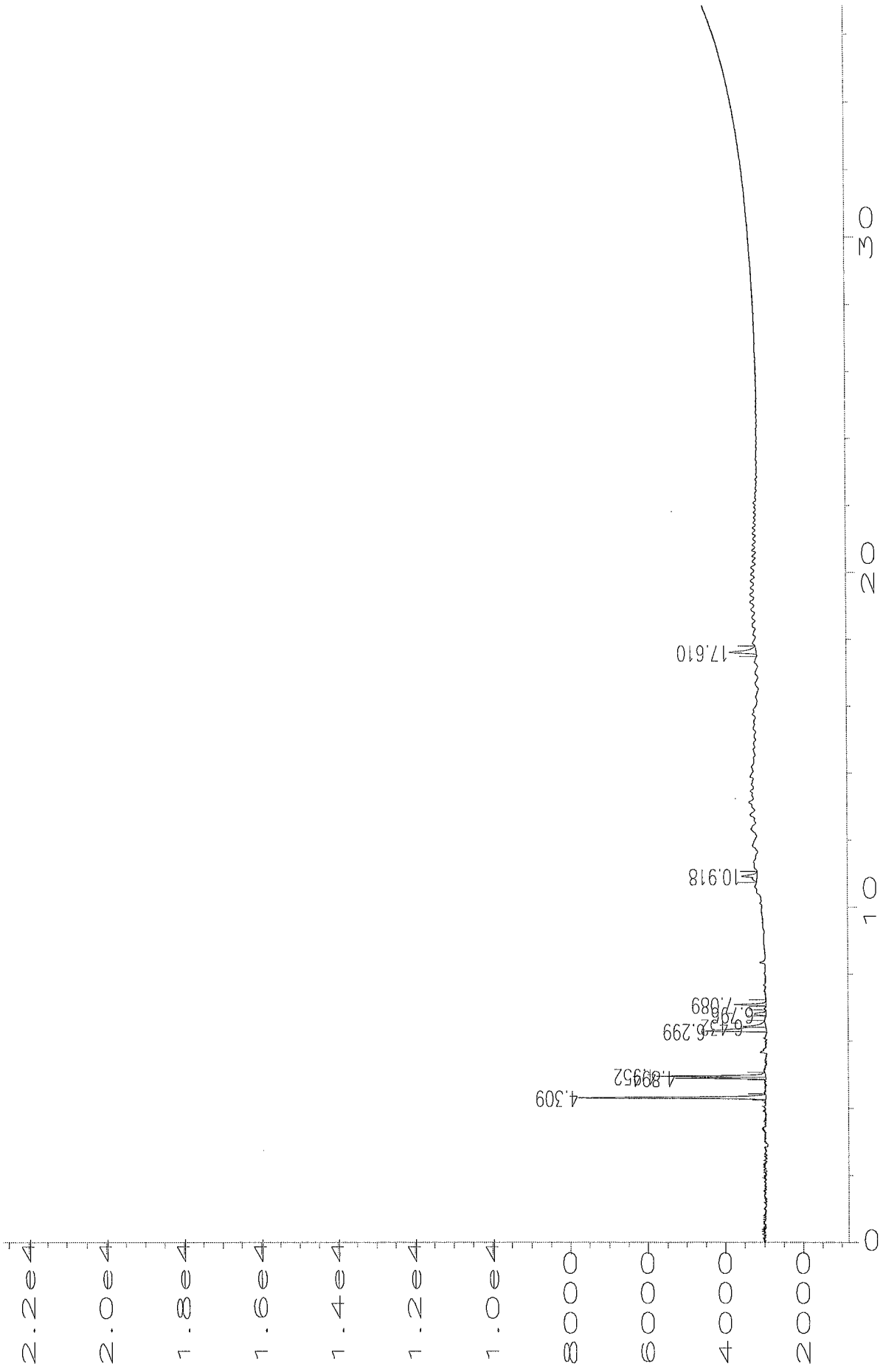
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \times \text{MW})}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.74E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.74E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.74E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.74E+04	4972	6.3	2.11	3.65
Propane	3	TRG	44.1	1.74E+04	6870	8.8	2.92	5.28
i-Butane	4	TRG	58.1	1.74E+04	7834	10.0	2.50	5.94
1-Butene	4	TRG	56.1	1.74E+04	2301	2.9	0.73	1.69
n-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.74E+04	3626	4.6	1.16	2.66
c-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.74E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.74E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.74E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.74E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.74E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.74E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.74E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.74E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.74E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.74E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.74E+04	25603	32.6	5.44	19.22
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.74E+04	25603	32.6	32.64	21.40

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Sample Data Packages

SDG Number 226144

Lab Id Number 65

Client ID T-509

Analytical Method TO-12

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Analytical Report
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Canister: 837
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 08/19/2026 **Time:** 18:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	7.11	2.30	6.90	12.27	
74-98-6	Propane	1.33	4.00	8.08	2.41	7.23	14.60	
75-28-5	i-Butane	1.00	3.00	2.50	2.38	7.14	5.94	J
106-98-9	1-Butene	1.00	3.00	2.07	2.30	6.90	4.77	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	12.24	26.50	79.49	43.26	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	73.47	29.51	88.52	48.18	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **226144**
EAS ID: **65**
File Name: **2614465A** **B**
Sample ID: **T-509**
Sampled: **7/24/2026**
Received: **07/24/26**
Analyzed: **08/19/2026**
QCBatch: **081926-GCK**
Can: **837**
Can Factor: **1.00**
Volume: **200.0**
Type: **SA**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **11:47** Matrix **AA**
Time: **16:10** Chem **TRG**
Time: **18:56** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **313553**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.00	**4.05**	1116	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.04			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.11**	1826	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**	16740	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.24**	19017	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.64**	**6.30**	7834	O	O	L	334	351
106-98-9	1-Butene	P	7.29	7.33	**7.32**	6511	I	I	H	366	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.38**	3027	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.79	**8.69**	0	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.67						196	431
78-78-4	i-Pentane	P	11.37	11.37						196	473
109-67-1	1-Pentene	P	12.30	12.30						196	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.92**	1562	I	O	M	654	651
110-82-7	Cyclohexane	P	18.14	18.19						101	658
591-76-4	2-Methylhexane	P	18.38	18.43						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.50						101	671
589-34-4	3-Methylhexane	P	18.66	18.71						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.14	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.46	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.14						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.98						21	753
108-88-3	Toluene	P	21.12	**21.17**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					57633		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					57633		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					57633		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081926-GCK		
Hexane Std Area:	313553		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	1.42	0.71	0.82	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	2.33	1.16	1.44	ND	ND	ND	0
Propene	42.1	3	21.34	7.11	12.27	21.34	7.11	12.27	12.27
Propane	44.1	3	24.24	8.08	14.60	24.24	8.08	14.60	14.60
i-Butane	58.1	4	9.99	2.50	5.94	9.99	2.50	5.94	5.94
1-Butene	56.1	4	8.30	2.07	4.77	8.30	2.07	4.77	4.77
n-Butane	58.1	4	3.86	0.96	2.30	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	1.99	0.33	1.06	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	73.47	12.2	43.3	73.47	12.24	43.26	43.26
Total Non-Methane Hydrocarbons-C1	16	1.0	73.47	73.5	48.2	73.47	73.47	48.18	48.18

SDG: **226144**
Laboratory Number: **65**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
12.27	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0		=		Y
14.60	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0		=		Y
5.94	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
4.77	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
43.26	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
48.18	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					1.4		1.42		
					0.0			0.00	
2.3						2.33			
					21.3		21.34		
24.2						24.24			
	10.0					9.99			
					8.3		8.30		
3.9						3.86			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
				0.0					0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0					0.00
	0.0					0.00			
		2.0							
				0.0		0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0					0.00
	0.0					0.00			
			0.0						
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
30.4	10.0	2.0	0.0	31.1	0.0	40.4	31.1	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

1.99

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	2.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		65	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdn}i)}{(\text{Cstdn}i)}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{(\text{Avg RFn}) \times \text{SV}} = \textbf{Cn}$

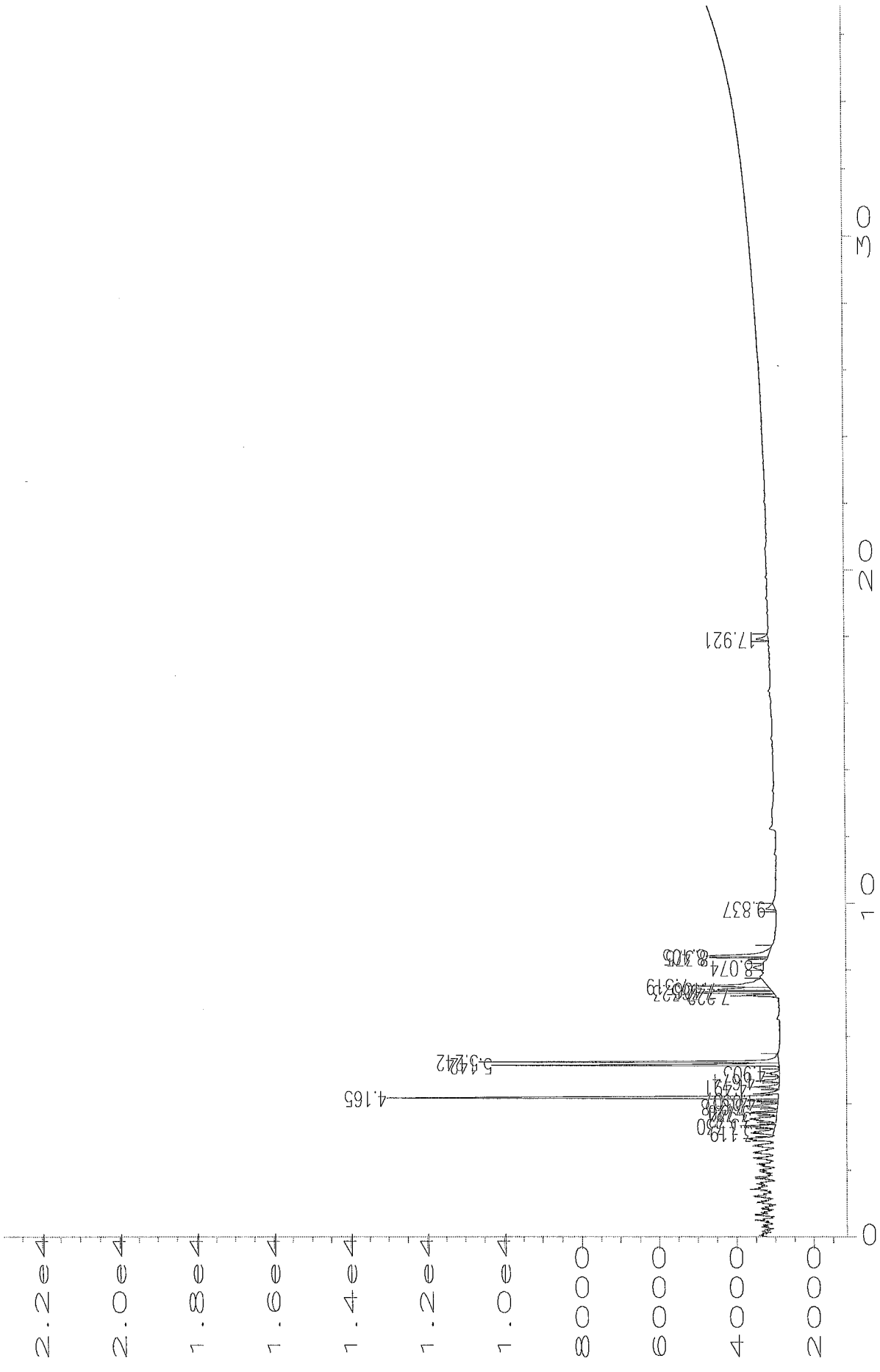
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \times \text{MW})}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.74E+04	1116	1.4	0.71	0.82
Acetylene	2	TRG	26.0	1.74E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.74E+04	1826	2.3	1.16	1.44
Propene	3	TRG	42.1	1.74E+04	16740	21.3	7.11	12.27
Propane	3	TRG	44.1	1.74E+04	19017	24.2	8.08	14.60
i-Butane	4	TRG	58.1	1.74E+04	7834	10.0	2.50	5.94
1-Butene	4	TRG	56.1	1.74E+04	6511	8.3	2.07	4.77
n-Butane	4	TRG	58.1	1.74E+04	3027	3.9	0.96	2.30
t-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.74E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.74E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.74E+04	1562	2.0	0.33	1.06
Cyclohexane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.74E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.74E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.74E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.74E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.74E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.74E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.74E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.74E+04	57633	73.5	12.24	43.26
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.74E+04	57633	73.5	73.47	48.18

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Sample Data Packages

SDG Number **226144**

Lab Id Number **66**

Client ID T-510

Analytical Method TO-12

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Analytical Report
Quantitation Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Canister: 647
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 08/19/2026 **Time:** 19:58
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	2.81	2.41	7.23	5.08	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 66
File Name: 2614466A B
Sample ID: T-510
Sampled: 7/24/2026
Received: 07/24/26
Analyzed: 08/19/2026
QCBatch: 081926-GCK
Can: 647
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 11:44 Matrix AA
Time: 16:10 Chem TRG
Time: 19:58 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 313553
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.00	**4.05**	0	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.04			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.11**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.16**	2853	I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	**5.25**	6609	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.65**	**6.30**	0	O	O	L	334	351
106-98-9	1-Butene	P	7.29	7.34	**7.25**	3096	I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.38**	0	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.79	**8.69**	0	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.67						196	431
78-78-4	i-Pentane	P	11.37	11.37						196	473
109-67-1	1-Pentene	P	12.30	12.30						196	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.92**	0	I	O	M	654	651
110-82-7	Cyclohexane	P	18.14	18.19						101	658
591-76-4	2-Methylhexane	P	18.38	18.43						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.50						101	671
589-34-4	3-Methylhexane	P	18.66	18.71						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.14	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.46	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.14						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.98						21	753
108-88-3	Toluene	P	21.12	**21.17**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**12558**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					12558		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					12558		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081926-GCK		
Hexane Std Area:	313553		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	3.64	1.21	2.09	ND	ND	ND	0
Propane	44.1	3	8.42	2.81	5.08	8.42	2.81	5.08	5.08
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	3.95	0.99	2.27	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

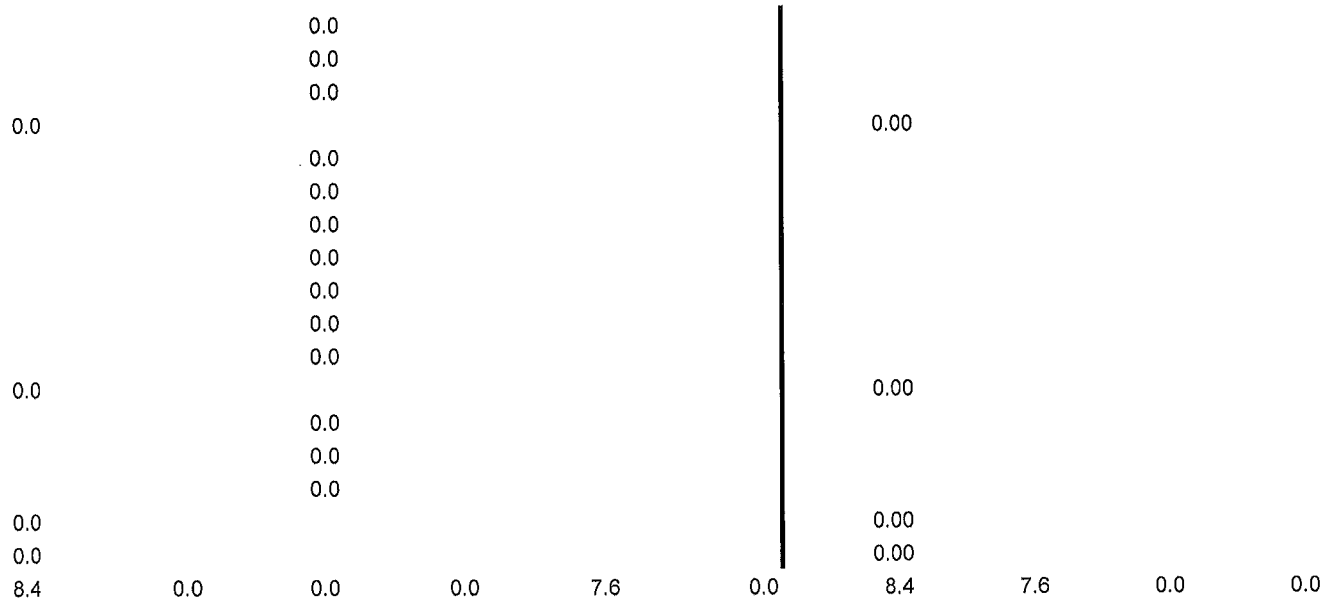
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	16.01	2.7	9.4	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	16.01	16.0	10.5	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **66**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
5.08	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					3.6		3.64		
8.4						8.42			
		0.0				0.00			
					3.9		3.95		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		66	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

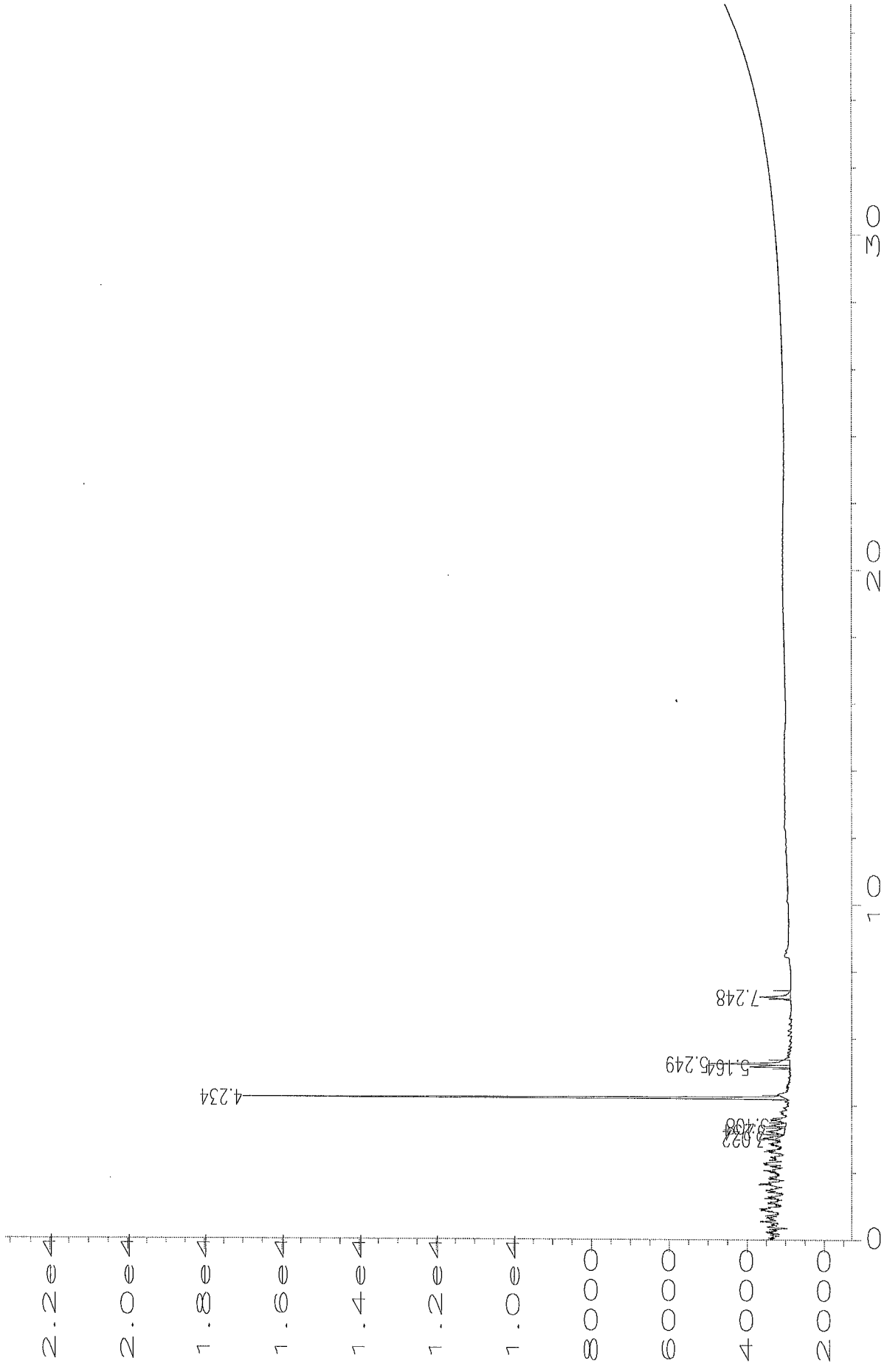
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.74E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.74E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.74E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.74E+04	2853	3.6	1.21	2.09
Propane	3	TRG	44.1	1.74E+04	6609	8.4	2.81	5.08
i-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.74E+04	3096	3.9	0.99	2.27
n-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.74E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.74E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.74E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.74E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.74E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.74E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.74E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.74E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.74E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.74E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.74E+04	12558	16.0	2.67	9.43
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.74E+04	12558	16.0	16.01	10.50

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Sample Data Packages

SDG Number **226144**

Lab Id Number **67**

Client ID T-511

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Canister: 786
QC_Batch: 081926-GCK

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 08/19/2026 **Time:** 21:01
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	1.39	2.41	7.23	2.52	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	1.14	2.30	6.90	2.61	J
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 67
File Name: 2614467A B
Sample ID: T-511
Sampled: 7/24/2026
Received: 07/24/26
Analyzed: 08/19/2026
QCBatch: 081926-GCK
Can: 786
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 11:40 Matrix AA
Time: 16:10 Chem TRG
Time: 21:01 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 313553
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	3.98	**4.05**	0	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.02			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	4.09	1763	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.16**	0	I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	5.26	3278	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.66**	6.30	0	O	O	L	333	351
106-98-9	1-Butene	P	7.29	7.35	**7.30**	3562	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	8.38	0	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.79	**8.69**	0	I	I	H	408	410
590-18-1	c-2-Butene	P	9.63	9.67						196	431
78-78-4	i-Pentane	P	11.37	11.37						196	473
109-67-1	1-Pentene	P	12.30	12.30						196	495
109-66-0	n-Pentane	P	12.48	**12.48**	12.48		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	16.17		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	17.92	0	I	O	M	654	651
110-82-7	Cyclohexane	P	18.14	18.19						101	658
591-76-4	2-Methylhexane	P	18.38	18.43						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.50						101	671
589-34-4	3-Methylhexane	P	18.66	18.71						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.14	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.46	19.41		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.14						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.98						21	753
108-88-3	Toluene	P	21.12	**21.17**	21.12		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	22.27		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					8603		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					8603		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					8603		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081926-GCK		
Hexane Std Area:	313553		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	2.25	1.12	1.39	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	4.18	1.39	2.52	4.18	1.39	2.52	2.52
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	4.54	1.14	2.61	4.54	1.14	2.61	2.61
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

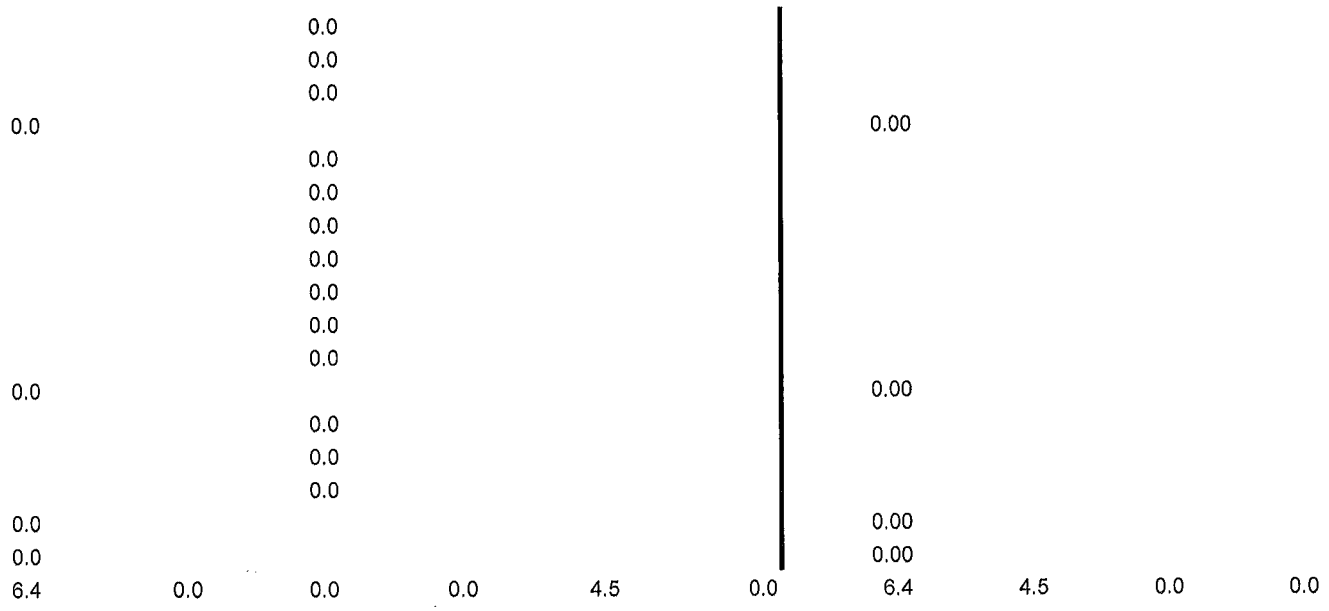
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	10.97	1.8	6.5	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	10.97	11.0	7.2	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **67**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
2.52	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
2.61	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
	2.2					2.25			
					0.0		0.00		
	4.2					4.18			
		0.0				0.00			
					4.5		4.54		
	0.0					0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		67	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\ \left|\frac{\text{(Astdnl)}}{\text{(Cstdnl)}}\right|_i}{}$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

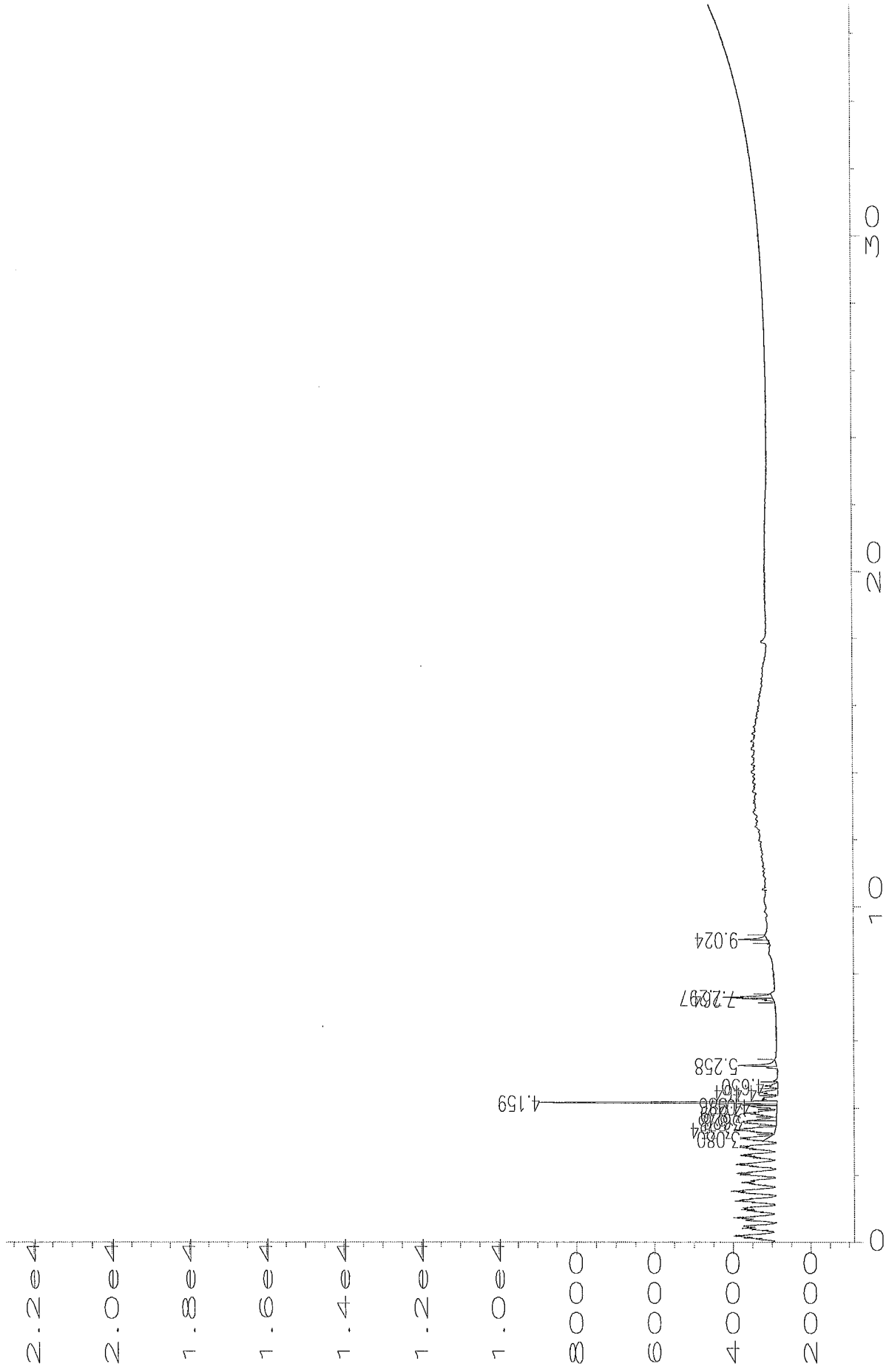
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.74E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.74E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.74E+04	1763	2.2	1.12	1.39
Propene	3	TRG	42.1	1.74E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.74E+04	3278	4.2	1.39	2.52
i-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.74E+04	3562	4.5	1.14	2.61
n-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.74E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.74E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.74E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.74E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.74E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.74E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.74E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.74E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.74E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.74E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.74E+04	8603	11.0	1.83	6.46
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.74E+04	8603	11.0	10.97	7.19

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Sample Data Packages

SDG Number **226144**

Lab Id Number **68**

Client ID T-512

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Canister: 877
QC_Batch: 082026-GCK

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 08/20/2026 **Time:** 11:40
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	24.69	2.47	7.40	30.46	
115-07-1	Propene	1.33	4.00	2.55	2.30	6.90	4.41	J
74-98-6	Propane	1.33	4.00	3.56	2.41	7.23	6.43	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	1.05	2.38	7.14	2.50	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	13.14	26.50	79.49	46.42	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	78.84	29.51	88.52	51.70	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 68
File Name: 2614468A B
Sample ID: T-512
Sampled: 7/24/2026
Received: 07/24/26
Analyzed: 08/20/2026
QCBatch: 082026-GCK
Can: 877
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 11:44 Matrix AA
Time: 16:10 Chem TRG
Time: 11:40 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 310192
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.10	**4.07**	1681	NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.14			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.21**	38743	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.14**	6012	I	I	H	291	290
74-98-6	Propane	P	5.20	**5.20**	**5.23**	8375	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.63**						135	351
106-98-9	1-Butene	P	7.29	7.32	**7.23**		I	O	M	363	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.40**	3293	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.81						194	410
590-18-1	c-2-Butene	P	9.63	9.69						194	431
78-78-4	i-Pentane	P	11.37	11.37						194	473
109-67-1	1-Pentene	P	12.30	12.30						194	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79	**12.70**	1408	I	O	M	506	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**		I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**		I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36	**25.29**	2333	I	I	H	918	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08	**27.03**		I	I	H	990	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**61845**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					61845		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					61845		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082026-GCK		
Hexane Std Area:	310192		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	2.14	1.07	1.23	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	49.39	24.69	30.46	49.39	24.69	30.46	30.46
Propene	42.1	3	7.66	2.55	4.41	7.66	2.55	4.41	4.41
Propane	44.1	3	10.68	3.56	6.43	10.68	3.56	6.43	6.43
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	4.20	1.05	2.50	4.20	1.05	2.50	2.50
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	1.79	0.36	1.03	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	2.97	0.33	1.63	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	78.84	13.1	46.4	78.84	13.14	46.42	46.42
Total Non-Methane Hydrocarbons-C1	16	1.0	78.84	78.8	51.7	78.84	78.84	51.70	51.70

SDG: **226144**
Laboratory Number: **68**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
30.46	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
4.41	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
6.43	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
2.50	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
46.42	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
51.70	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					2.1		2.14		
					0.0			0.00	
49.4						49.39			
					7.7		7.66		
10.7						10.68			
	0.0					0.00			
					0.0		0.00		
4.2						4.20			
					0.0		0.00		
					0.0		0.00		
	0.0					0.00			
					0.0		0.00		
0.0						0.00			
					1.8		1.79		
					0.0		0.00		
	0.0					0.00			
				0.0					0.00
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0					0.00
	0.0					0.00			
			0.0						
				0.0		0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
				0.0					0.00
	0.0					0.00			
			0.0						
	0.0					0.00			
	0.0					0.00			
0.0						0.00			
			0.0						

		0.0							
		0.0							
		0.0							
0.0						0.00			
		3.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
		0.0							
0.0						0.00			
		0.0							
		0.0							
		0.0							
0.0						0.00			
0.0						0.00			
64.3	0.0	3.0	0.0	11.6	0.0	64.3	11.6	0.0	0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

2.97
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	3.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		68	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6 \text{ Carbons} \times Ansamp \times CDF \times 1000}{(Avg\ RFn) \times SV}$ = **Cn**

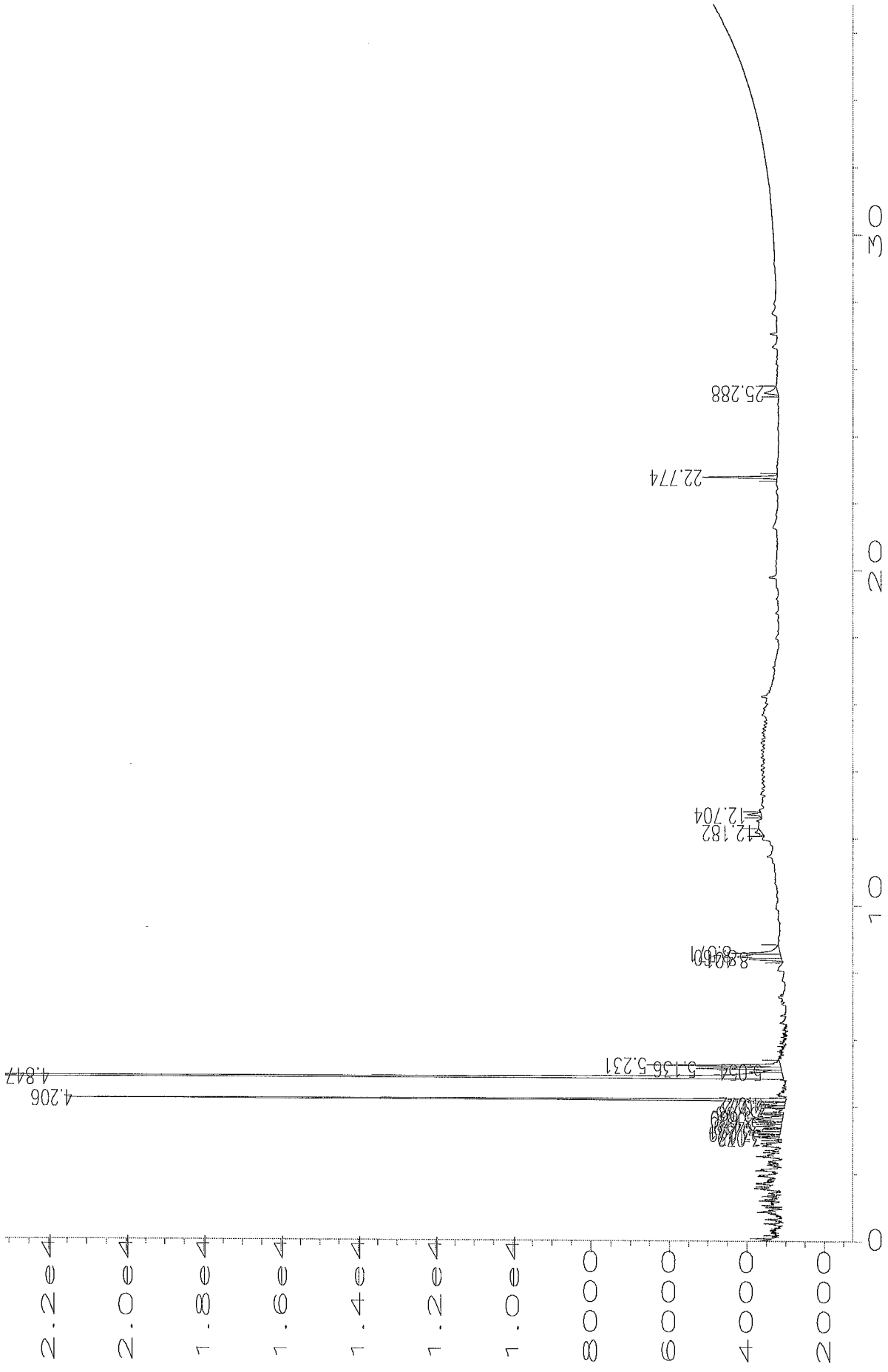
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv) \times MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.72E+04	1681	2.1	1.07	1.23
Acetylene	2	TRG	26.0	1.72E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.72E+04	38743	49.4	24.69	30.46
Propene	3	TRG	42.1	1.72E+04	6012	7.7	2.55	4.41
Propane	3	TRG	44.1	1.72E+04	8375	10.7	3.56	6.43
i-Butane	4	TRG	58.1	1.72E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.72E+04	3293	4.2	1.05	2.50
t-2-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.72E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.72E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.72E+04	1408	1.8	0.36	1.03
c-2-Pentene	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.72E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.72E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.72E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.72E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.72E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.72E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.72E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.72E+04	2333	3.0	0.33	1.63
n-propylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.72E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.72E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.72E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.72E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.72E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.72E+04	61845	78.8	13.14	46.42
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.72E+04	61845	78.8	78.84	51.70

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Sample Data Packages

SDG Number 226144

Lab Id Number 69

Client ID T-513

Analytical Method TO-12

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Analytical Report
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Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Canister: 892
QC_Batch: 082026-GCK

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 08/20/2026 **Time:** 12:26
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	16.57	2.47	7.40	20.44	
115-07-1	Propene	1.33	4.00	1.46	2.30	6.90	2.52	J
74-98-6	Propane	1.33	4.00	2.80	2.41	7.23	5.06	J
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	2.63	2.38	7.14	6.26	J
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	10.68	26.50	79.49	37.75	J
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	64.11	29.51	88.52	42.04	J

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 69
File Name: 2614469A B
Sample ID: T-513
Sampled: 7/24/2026 Time: 11:48
Received: 07/24/26 Time: 16:10
Analyzed: 08/20/2026 Time: 12:26
QCBatch: 082026-GCK
Can: 892
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 310192
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.03	**4.08**		NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.07			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.14**	25993	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.18**	3439	I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	**5.27**	6595	I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.67**						133	351
106-98-9	1-Butene	P	7.29	7.36	**7.33**	2092	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.43**	8250	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.84						192	410
590-18-1	c-2-Butene	P	9.63	9.72						192	431
78-78-4	i-Pentane	P	11.37	11.37	**11.28**		I	I	H	470	473
109-67-1	1-Pentene	P	12.30	12.30						192	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79	**12.69**	1291	I	O	M	506	510
627-20-3	c-2-Pentene	P	13.08	13.08						167	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						167	537
287-92-3	Cyclopentane	P	14.88	14.88						167	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						167	570
107-83-5	2-Methylpentane	P	15.08	15.08						167	571
96-14-0	3-Methylpentane	P	15.55	15.55						167	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.22**	2629	I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.91						92	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.10						92	626
71-43-2	Benzene	P	17.87	**17.92**	**17.89**		I	I	H	652	651
110-82-7	Cyclohexane	P	18.14	18.16						92	658
591-76-4	2-Methylhexane	P	18.38	18.40						92	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						92	671
589-34-4	3-Methylhexane	P	18.66	18.68						92	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**		I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36	**25.29**		I	I	H	918	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08	**27.03**		I	I	H	990	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**50289**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					50289		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					50289		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082026-GCK		
Hexane Std Area:	310192		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	33.13	16.57	20.44	33.13	16.57	20.44	20.44
Propene	42.1	3	4.38	1.46	2.52	4.38	1.46	2.52	2.52
Propane	44.1	3	8.41	2.80	5.06	8.41	2.80	5.06	5.06
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	2.67	0.67	1.53	ND	ND	ND	0
n-Butane	58.1	4	10.52	2.63	6.26	10.52	2.63	6.26	6.26
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	1.65	0.33	0.95	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	3.35	**0.56**	1.97	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

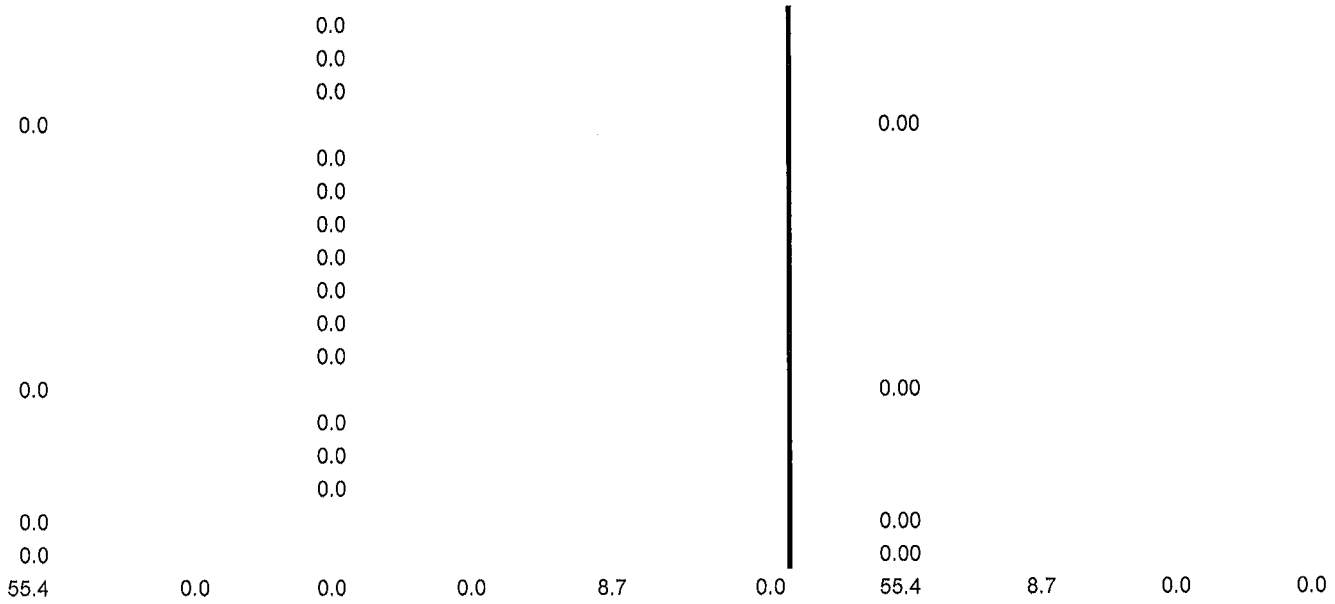
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	64.11	10.7	37.7	64.11	10.68	37.75	37.75
Total Non-Methane Hydrocarbons-C1	16	1.0	64.11	64.1	42.0	64.11	64.11	42.04	42.04

SDG: **226144**
Laboratory Number: **69**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
20.44	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0		=		Y
2.52	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	J	=		Y
5.06	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	J	=		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
6.26	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	J	=		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
	4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
	4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
	4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
	4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
											Y
37.75	45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	J	=	Y
42.04	45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	J	=	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
33.1						33.13			
					4.4		4.38		
8.4						8.41			
		0.0				0.00			
					2.7		2.67		
10.5						10.52			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					1.6		1.65		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
3.4						3.35			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
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55.4
8.7
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		69	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{\text{(Astdni)}}{\text{(Cstdni)}}\right|_i$

2) ppbC = $\frac{\text{6 Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{\text{(Avg RFn)} \times \text{SV}}$ = **Cn**

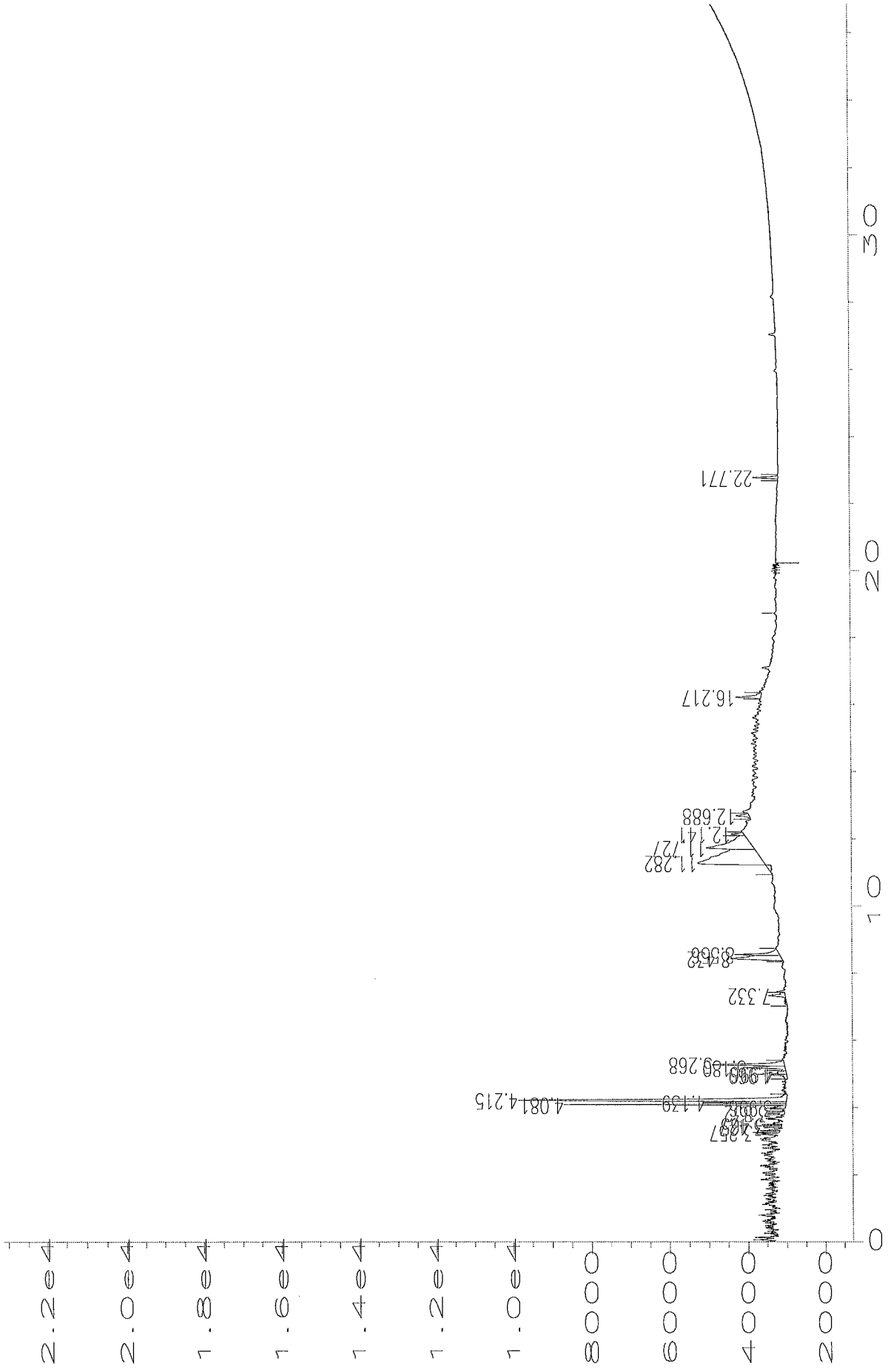
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.72E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.72E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.72E+04	25993	33.1	16.57	20.44
Propene	3	TRG	42.1	1.72E+04	3439	4.4	1.46	2.52
Propane	3	TRG	44.1	1.72E+04	6595	8.4	2.80	5.06
i-Butane	4	TRG	58.1	1.72E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.72E+04	2092	2.7	0.67	1.53
n-Butane	4	TRG	58.1	1.72E+04	8250	10.5	2.63	6.26
t-2-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.72E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.72E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.72E+04	1291	1.6	0.33	0.95
c-2-Pentene	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.72E+04	2629	3.4	0.56	1.97
Methylcyclopentane	6	TRG	84.2	1.72E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.72E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.72E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.72E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.72E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.72E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.72E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.72E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.72E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.72E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.72E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.72E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.72E+04	50289	64.1	10.68	37.75
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.72E+04	50289	64.1	64.11	42.04

C:\HPCHEM\1\DATA\08206K\26144469A.D



Sample Data Packages

SDG Number **226144**

Lab Id Number **70**

Client ID T-514

Analytical Method TO-12

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Canister: 775
QC_Batch: 080326-GCK

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 08/03/2026 **Time:** 13:13
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: 226144
EAS ID: 70
File Name: 2614470A B
Sample ID: T-514
Sampled: 7/24/2026
Received: 07/24/26
Analyzed: 08/03/2026
QCBatch: 080326-GCK
Can: 775
Can Factor: 1.00
Volume: 200.0
Type: SA

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: 12:05 Matrix AA
Time: 16:10 Chem TRG
Time: 13:13 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 357150
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-186	290
74-98-6	Propane	P	5.20	**5.20**	**5.23**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.63**						135	351
106-98-9	1-Butene	P	7.29	7.32	**7.27**		I	I	H	364	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.40**	0	I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.81						194	410
590-18-1	c-2-Butene	P	9.63	9.69						194	431
78-78-4	i-Pentane	P	11.37	11.37						194	473
109-67-1	1-Pentene	P	12.30	12.30						194	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080326-GCK		
Hexane Std Area:	357150		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

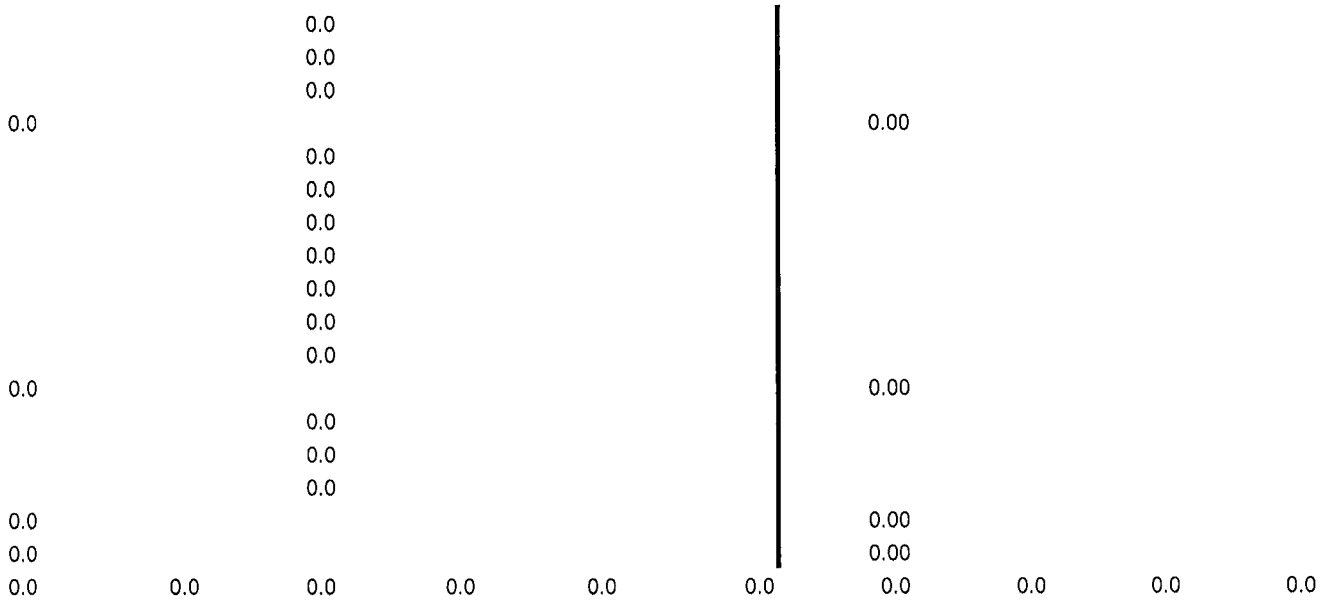
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **226144**
Laboratory Number: **70**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
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0.0						0.00			
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0.0						0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		226144	
Laboratory Number:		70	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

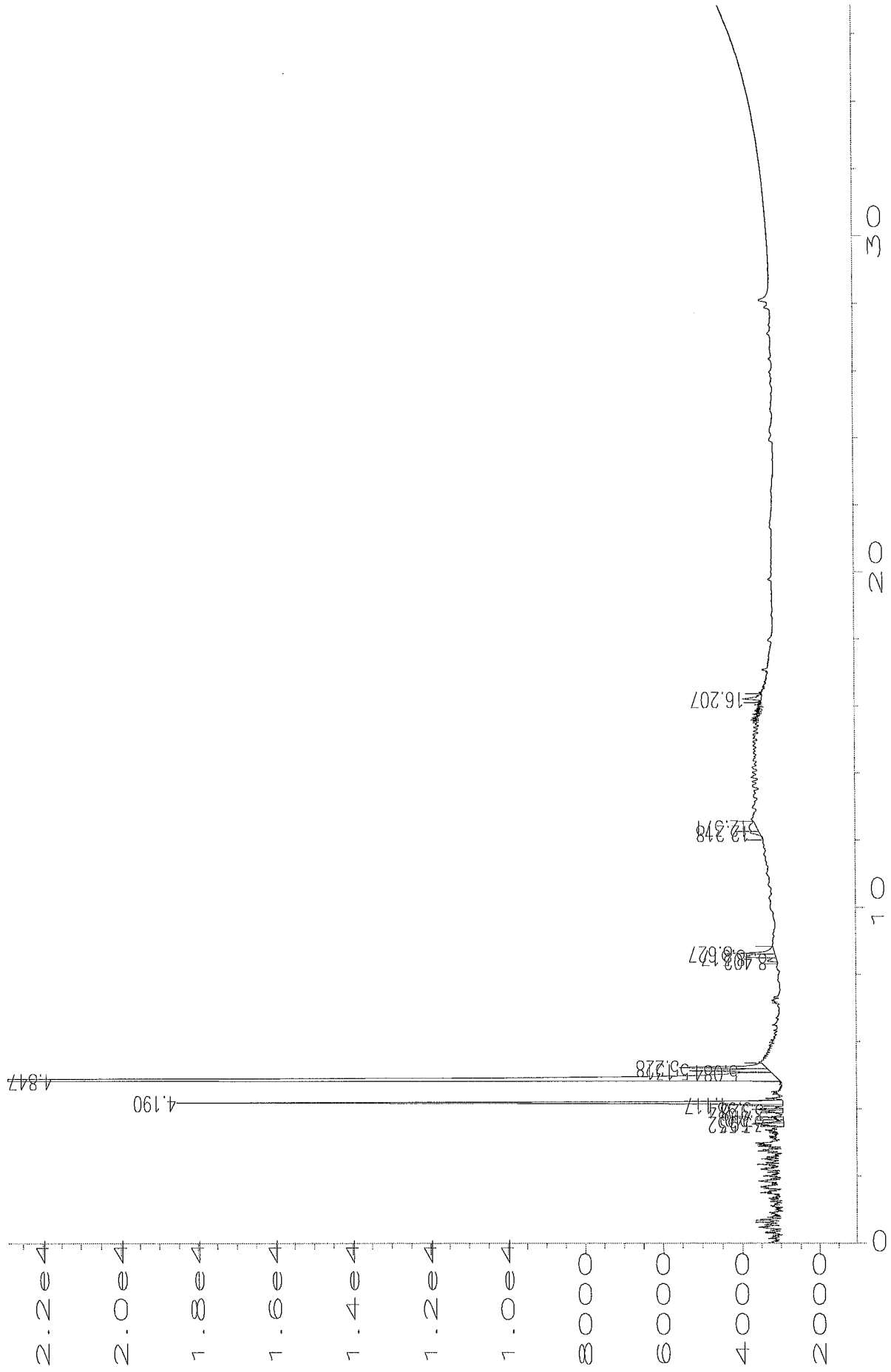
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.98E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.98E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.98E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.98E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.98E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.98E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.98E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.98E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.98E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.98E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.98E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.98E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.98E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.98E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.98E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.98E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.98E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.98E+04	0	0.0	0.00	0.00

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Method Blank Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Method Blank QC Batch report for each DAB in this SDG.

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B07316

File Name: B07316C
Description: METHOD BLANK
Canister:
QC_Batch: 073126-GCK

Date Sampled:
Date Analyzed: 07/31/26
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 17:50

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **LABQC**
EAS ID: **B07316**
File Name: **B07316C** C
Sample ID: **METHOD BLANK**
Sampled: **NA**
Received: **NA**
Analyzed: **07/31/26**
QCBatch: **073126-GCK**
Can: **NA**
Can Factor: **1.00**
Volume: **200.0**
Type: **MB**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **NA** Matrix **AA**
Time: **NA** Chem **TRG**
Time: **17:50** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **342823**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C4 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	073126-GCK		
Hexane Std Area:	342823		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

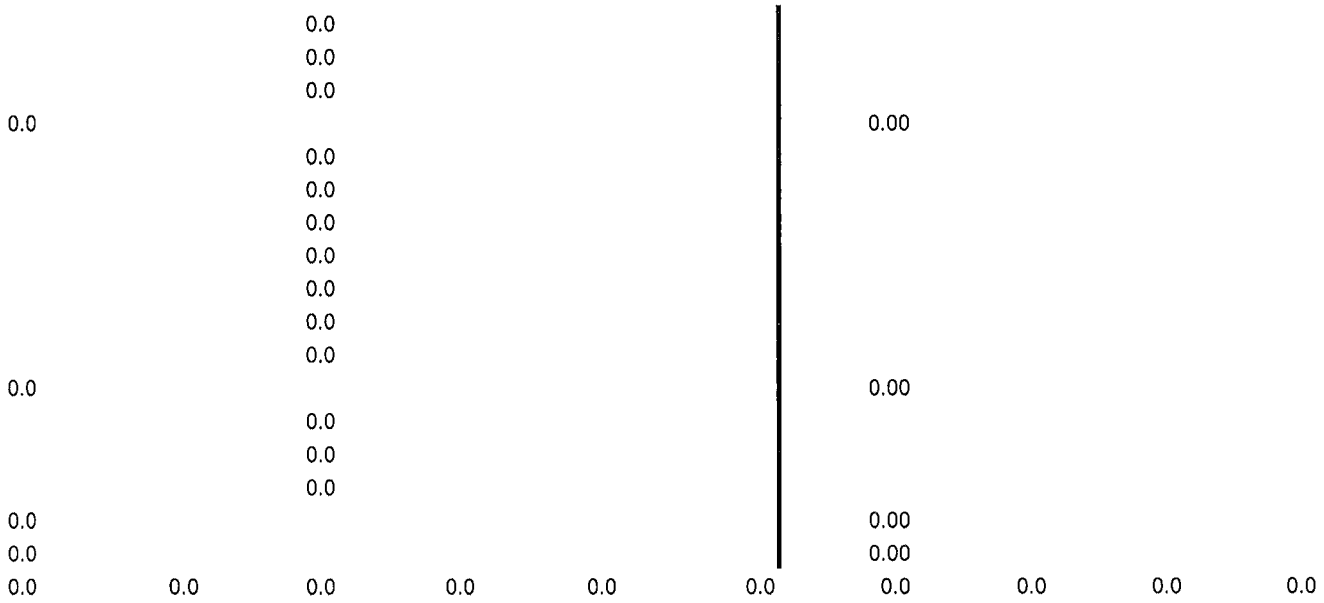
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B07316**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						


0.0
0.0
0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B07316	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) ppbC = $\frac{6 \text{ Carbons}}{(\text{Avg RFn})} \times \frac{\text{Ansamp}}{\text{SV}} \times \text{CDF} \times 1000 = \text{Cn}$

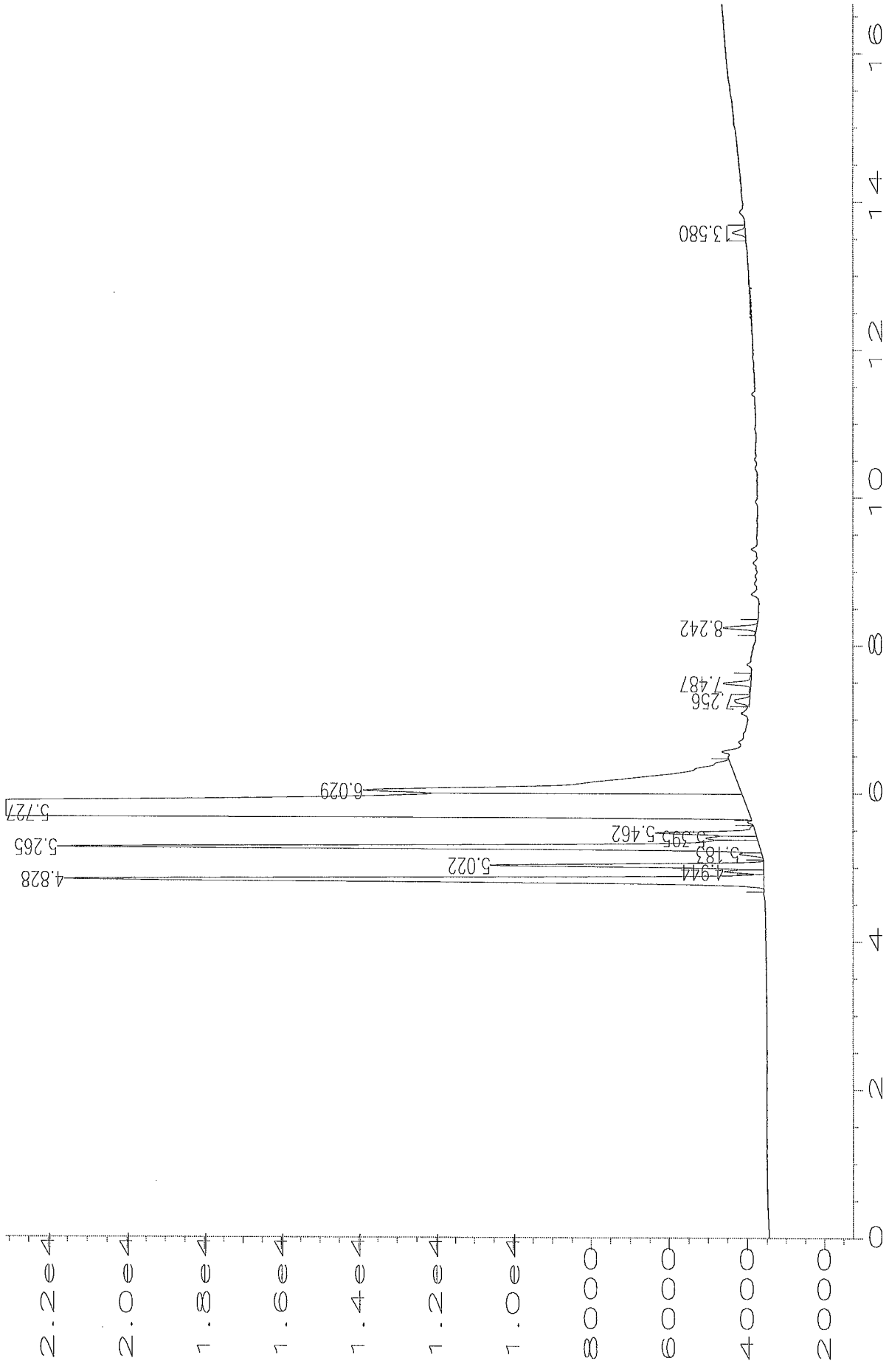
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)}) \times \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.90E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.90E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.90E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.90E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.90E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.90E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.90E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.90E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.90E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.90E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.90E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.90E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.90E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.90E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.90E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.90E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.90E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.90E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.90E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.90E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.90E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.90E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.90E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.90E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.90E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.90E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.90E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.90E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.90E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08036

File Name: B08036B
Description: METHOD BLANK
Canister:
QC_Batch: 080326-GCK

Date Sampled:
Date Analyzed: 08/03/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:31

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08036
File Name: B08036B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/03/2026
QCBatch: 080326-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: NA Matrix AA
Time: NA Chem TRG
Time: 11:31 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 357150
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080326-GCK		
Hexane Std Area:	357150		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

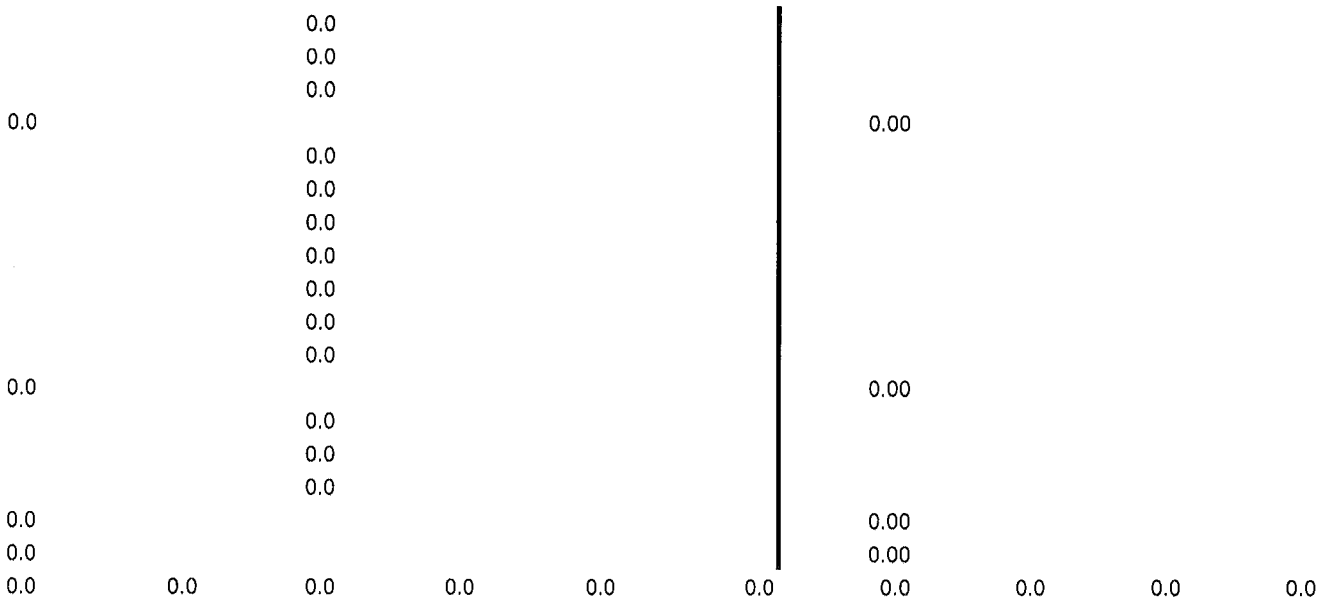
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08036**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08036	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

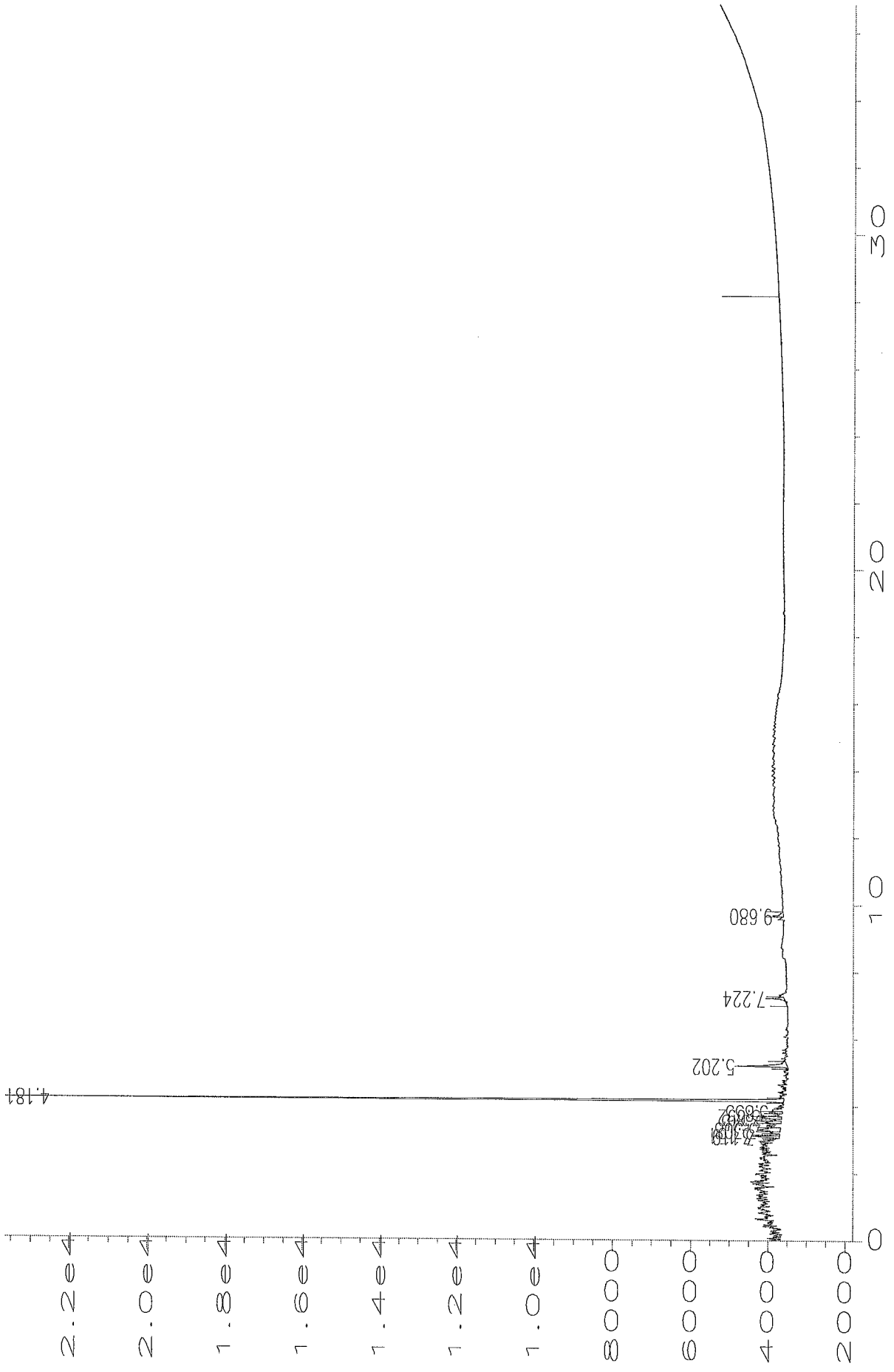
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.98E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.98E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.98E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.98E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.98E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.98E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.98E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.98E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.98E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.98E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.98E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.98E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.98E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.98E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.98E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.98E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.98E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.98E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.98E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.98E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.98E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.98E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.98E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.98E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.98E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.98E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08046

File Name: B08046B
Description: METHOD BLANK
Canister:
QC_Batch: 080426-GCK

Date Sampled:
Time:
Date Analyzed: 08/04/2026
Time: 11:43
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08046
File Name: B08046B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/04/2026
QCBatch: 080426-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: NA Matrix AA
Time: NA Chem TRG
Time: 11:43 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 360303
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200

Abbreviation	Total Petroleum Hydrocarbons:		TPH Subtractions
TNMHC - C6	Total Non-Methane Hydrocarbons-C6	0	0
TNMHC - C1	Total Non-Methane Hydrocarbons-C1	0	0

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080426-GCK		
Hexane Std Area:	360303		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

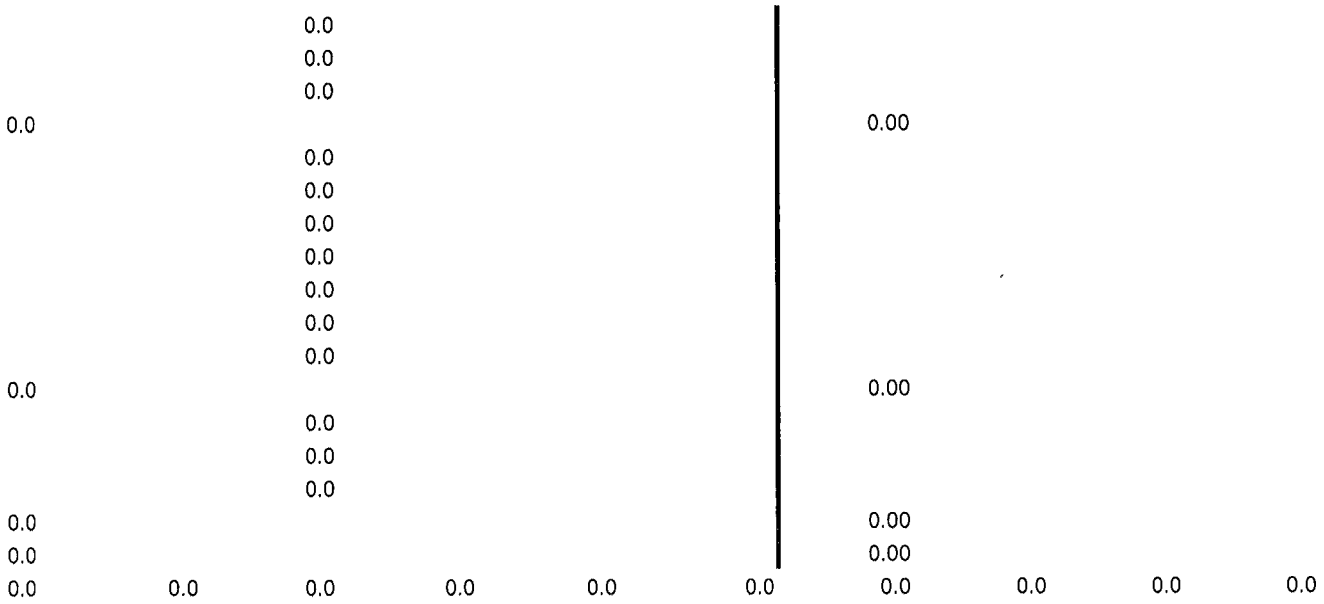
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08046**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08046	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

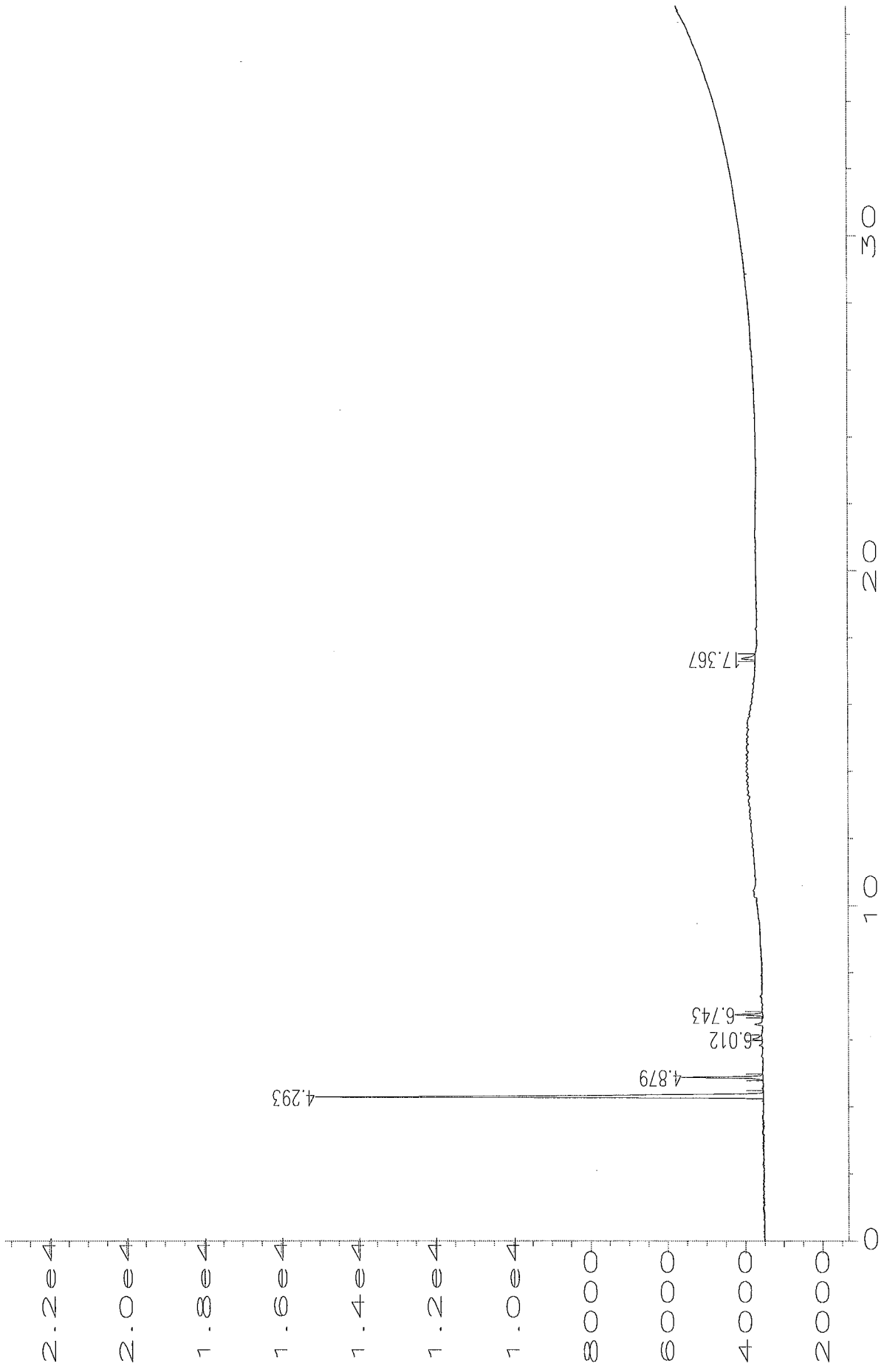
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.00E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.00E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.00E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	2.00E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	2.00E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.00E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.00E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.00E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.00E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.00E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.00E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.00E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.00E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.00E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.00E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.00E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.00E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.00E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.00E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.00E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.00E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.00E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.00E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.00E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.00E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08056

File Name: B08056B
Description: METHOD BLANK
Canister:
QC_Batch: 080526-GCK

Date Sampled: **Time:**
Date Analyzed: 08/05/2026 **Time:** 12:56
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08056
File Name: B08056B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/05/2026
QCBatch: 080526-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA Matrix AA
Time: NA Chem TRG
Time: 12:56 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 366079
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	4.16	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	5.20		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	8.34		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	12.48		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	16.17		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	17.89	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	19.41		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	21.12		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	22.27		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080526-GCK		
Hexane Std Area:	366079		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

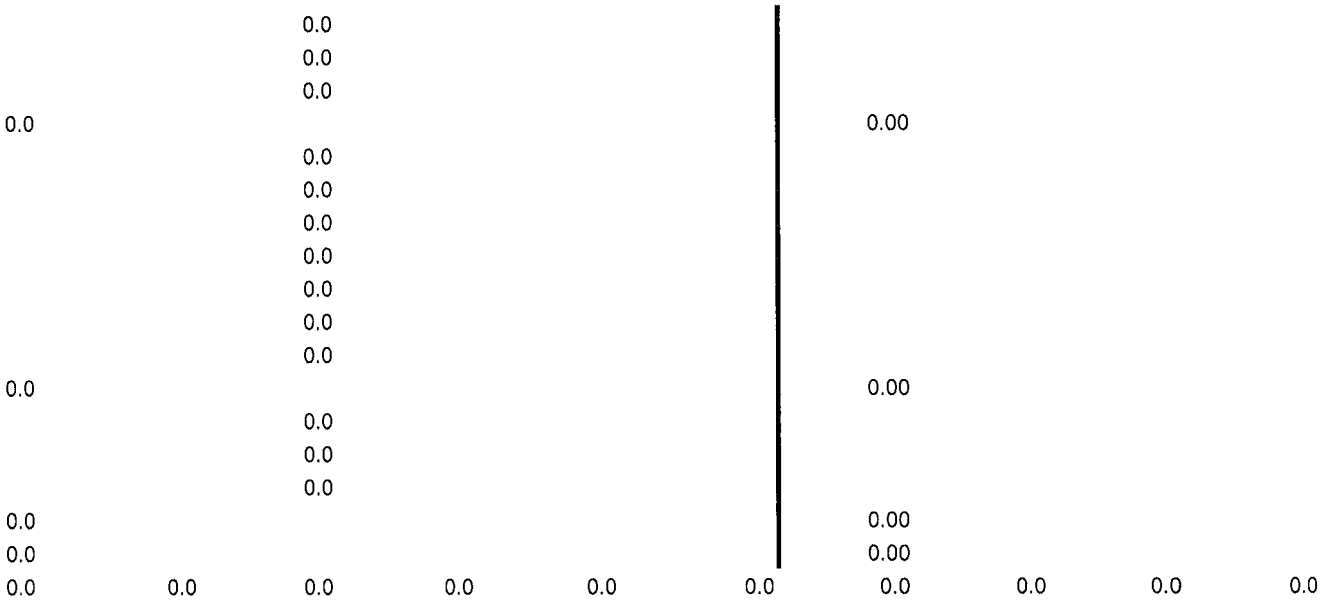
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08056**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08056	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = Cn

3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.03E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.03E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.03E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	2.03E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	2.03E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	2.03E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.03E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.03E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.03E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.03E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.03E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.03E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.03E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	2.03E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.03E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.03E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.03E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.03E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.03E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.03E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.03E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.03E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.03E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.03E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.03E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.03E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.03E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.03E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.03E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.03E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.03E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.03E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.03E+04	0	0.0	0.00	0.00

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08076

File Name: B08076B
Description: METHOD BLANK
Canister:
QC_Batch: 080726-GCK

Date Sampled: **Time:**
Date Analyzed: 08/07/2026 **Time:** 11:30
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08076
File Name: B08076B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/07/2026
QCBatch: 080726-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 11:30

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 381246
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.06	**4.04**		NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.10			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.17**		I	I	H	200	200
115-07-1	Propene	P	5.11	5.11	**5.10**		I	I	H	292	290
74-98-6	Propane	P	5.20	**5.20**	**5.18**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.58**						136	351
106-98-9	1-Butene	P	7.29	7.27	**7.32**		I	I	H	368	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.33**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.74						199	410
590-18-1	c-2-Butene	P	9.63	9.62						199	431
78-78-4	i-Pentane	P	11.37	11.37						199	473
109-67-1	1-Pentene	P	12.30	12.30						199	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						159	510
627-20-3	c-2-Pentene	P	13.08	13.08						159	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						159	537
287-92-3	Cyclopentane	P	14.88	14.88						159	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						159	570
107-83-5	2-Methylpentane	P	15.08	15.08						159	571
96-14-0	3-Methylpentane	P	15.55	15.55						159	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.14**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.83						106	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.02						106	626
71-43-2	Benzene	P	17.87	**17.84**	**17.89**	0	I	I	H	654	651
110-82-7	Cyclohexane	P	18.14	18.16						106	658
591-76-4	2-Methylhexane	P	18.38	18.40						106	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						106	671
589-34-4	3-Methylhexane	P	18.66	18.68						106	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	080726-GCK		
Hexane Std Area:	381246		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

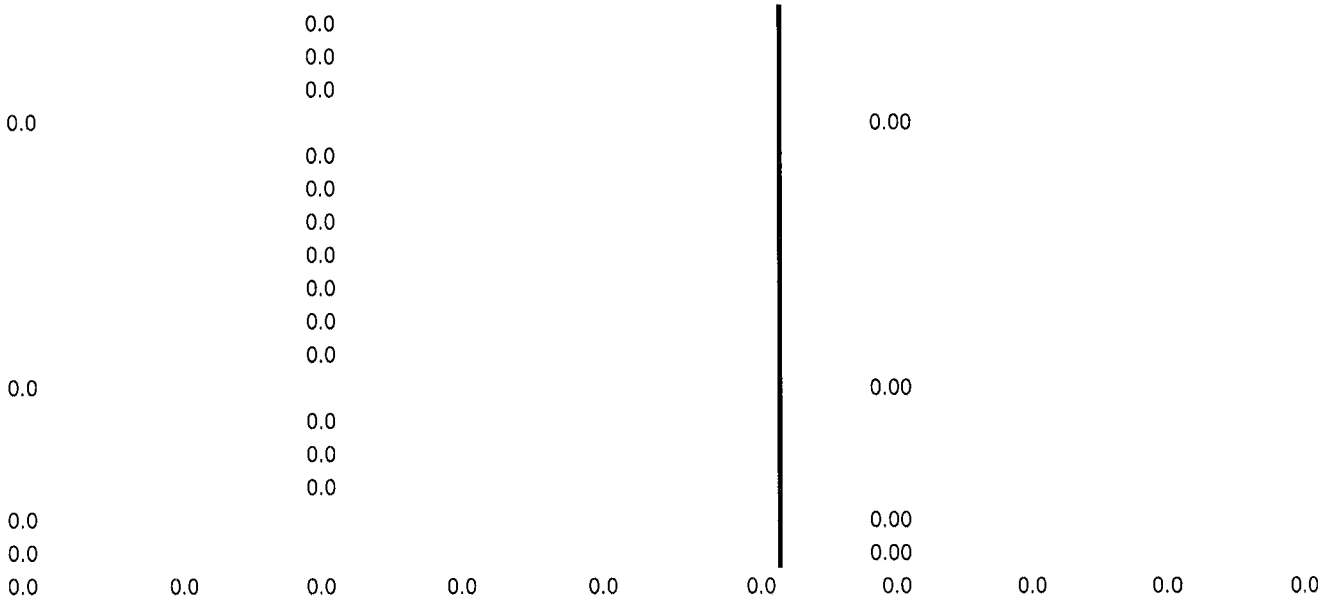
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08076**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08076	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|_i$

2) ppbC = $\frac{6 \text{ Carbons} \quad \text{Ansamp} \quad \text{CDF} \quad 1000}{(\text{Avg RFn}) \quad \text{SV}}$ = **Cn**

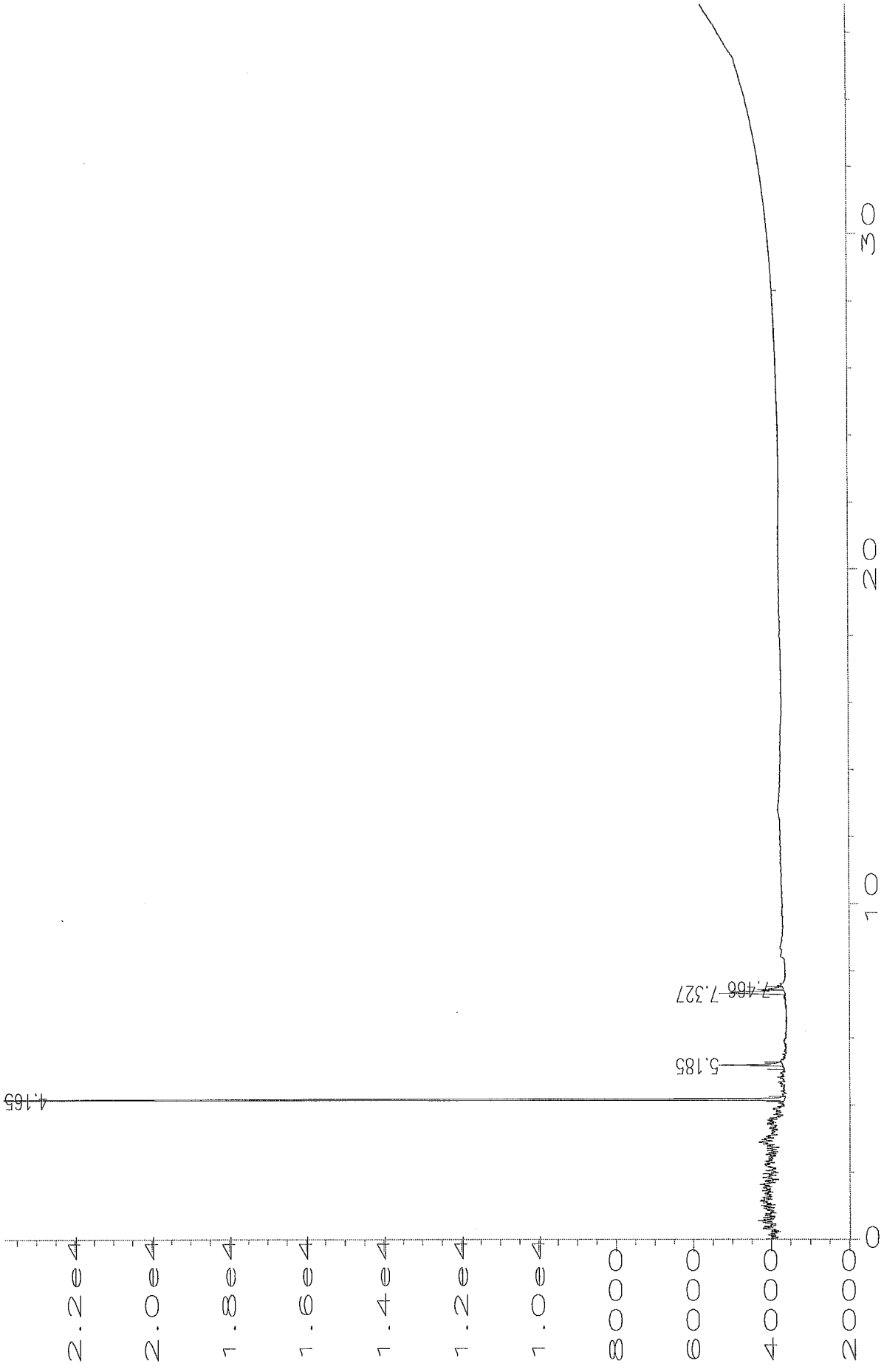
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \quad \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.11E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.11E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.11E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	2.11E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	2.11E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.11E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.11E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.11E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.11E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.11E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.11E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.11E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.11E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.11E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.11E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.11E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.11E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.11E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.11E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.11E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.11E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.11E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.11E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.11E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.11E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08106

File Name: B08106B
Description: METHOD BLANK
Canister:
QC_Batch: 081026-GCK

Date Sampled: **Time:**
Date Analyzed: 08/10/2026 **Time:** 11:43
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08106
File Name: B08106B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/10/2026
QCBatch: 081026-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 11:43

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 364783
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C4 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	4.16	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	5.20		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	8.34		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	12.48		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	16.17		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	17.89	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	19.41		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	21.12		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	22.27		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**0**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081026-GCK		
Hexane Std Area:	364783		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

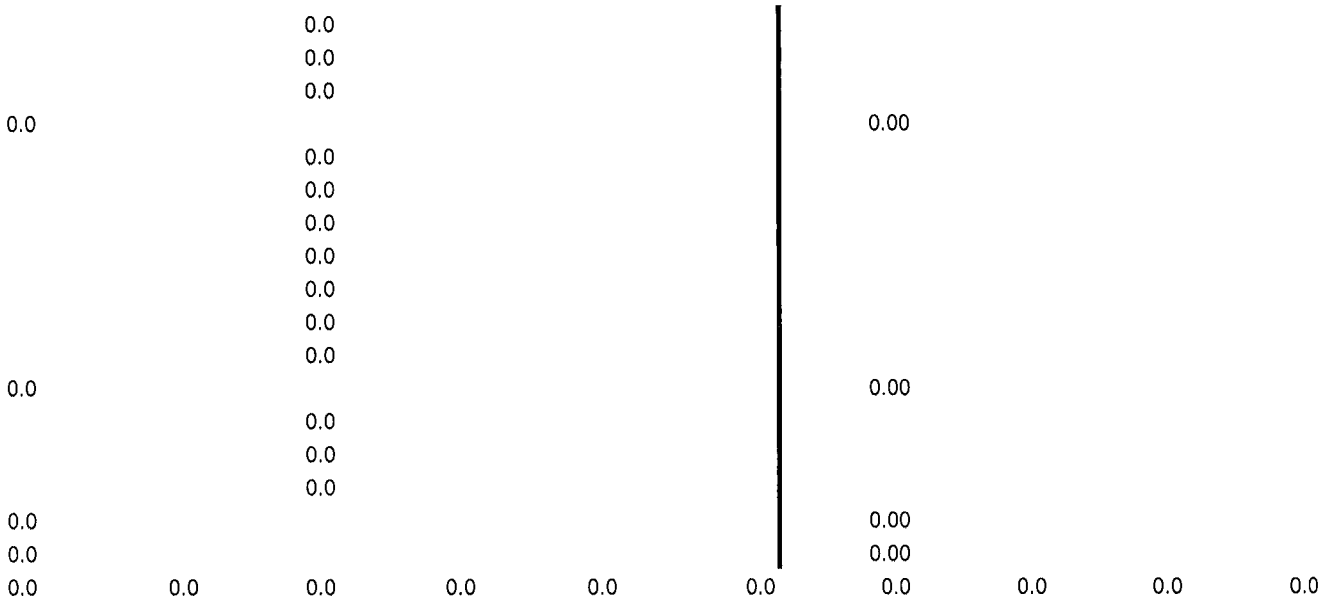
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08106**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						


0.0
0.0
0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes
				0.00	
				0.00	
				0.00	

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08106	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\ \frac{(\text{Astdni})}{(\text{Cstdni})}\ i}{}$

2) ppbC = $\frac{\text{6 Carbons} \quad \text{Ansamp} \quad \text{CDF} \quad 1000}{\text{(Avg RFn)} \quad \text{SV}}$ = **Cn**

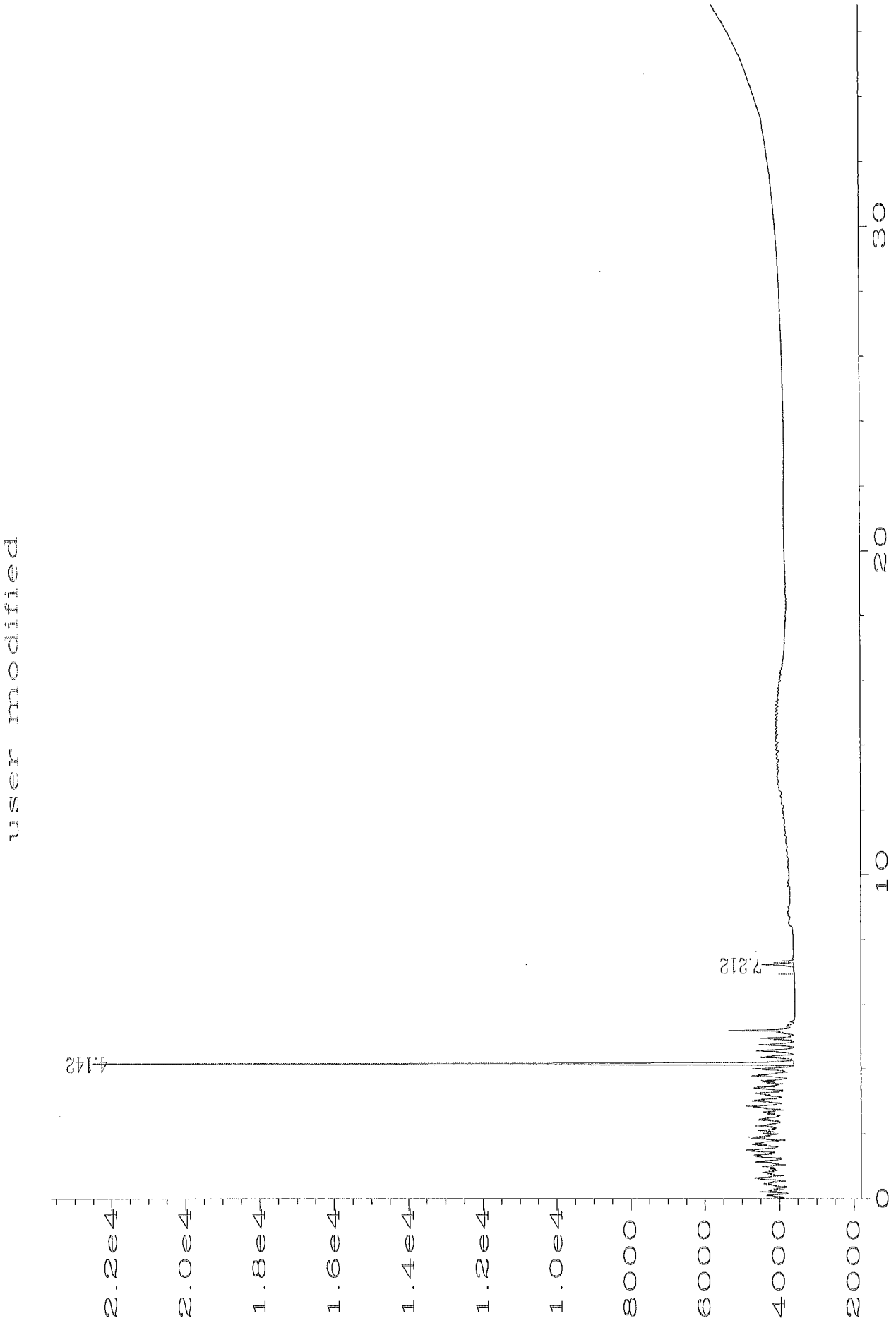
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = (amt(ppbv) $\frac{\text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	2.02E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	2.02E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	2.02E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	2.02E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	2.02E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	2.02E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	2.02E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	2.02E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	2.02E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	2.02E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	2.02E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	2.02E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	2.02E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	2.02E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	2.02E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	2.02E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	2.02E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	2.02E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	2.02E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	2.02E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	2.02E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	2.02E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	2.02E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	2.02E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	2.02E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	2.02E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08116

File Name: B08116B
Description: METHOD BLANK
Canister:
QC_Batch: 081126-GCK

Date Sampled:
Time:
Date Analyzed: 08/11/2026
Time: 11:27
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08116
File Name: B08116B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/11/2026
QCBatch: 081126-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 11:27

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 276092
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081126-GCK		
Hexane Std Area:	276092		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

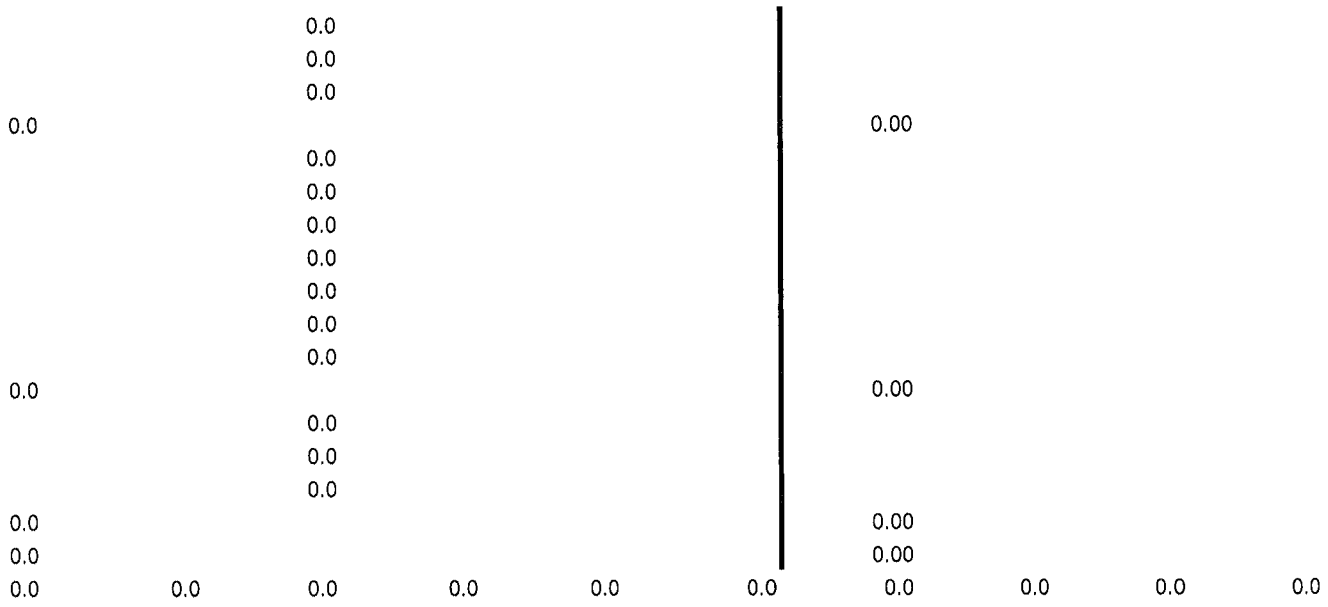
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08116**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08116	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdnl) / (Cstdnl) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

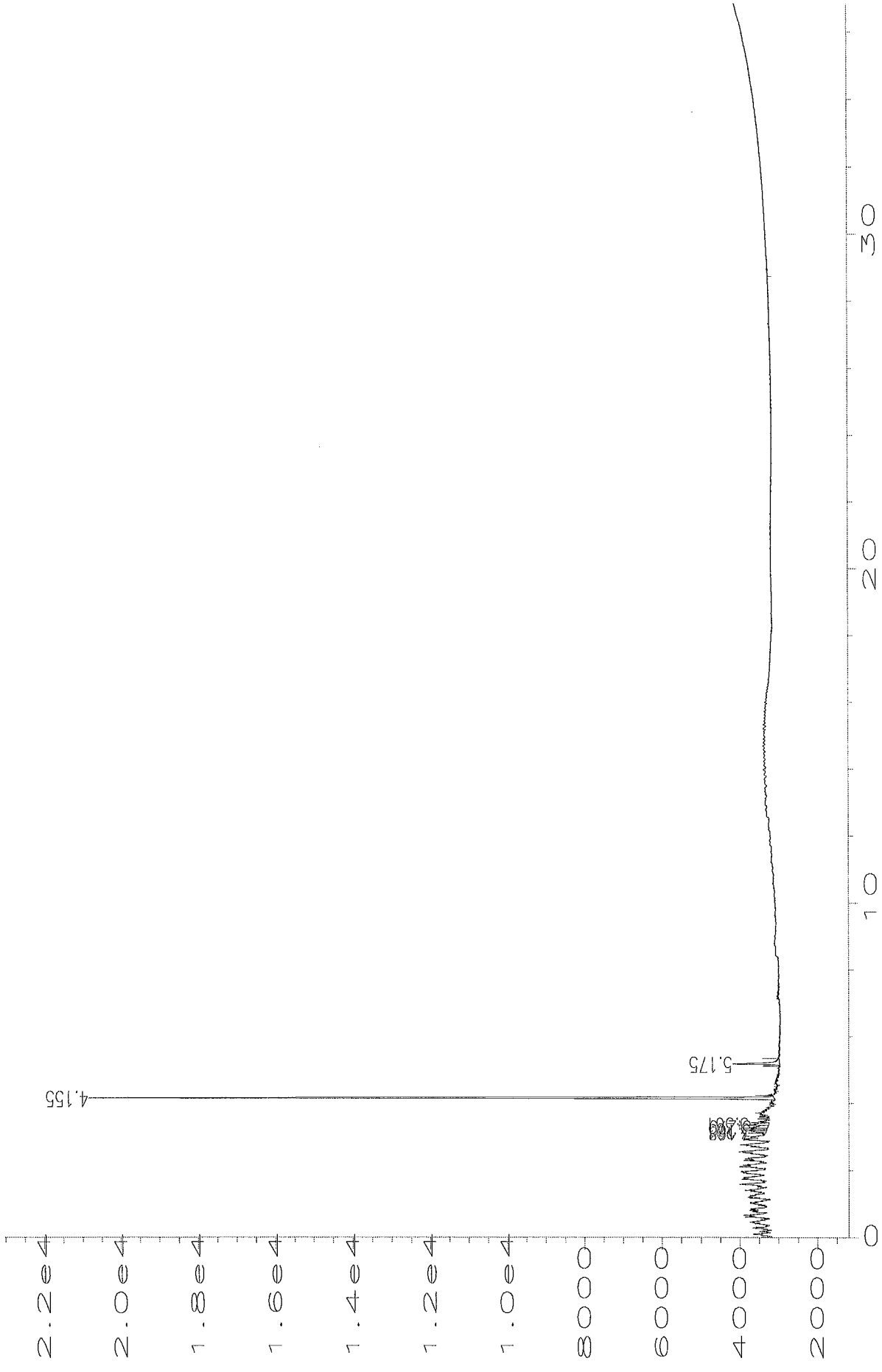
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.53E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.53E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.53E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.53E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.53E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.53E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.53E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.53E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.53E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.53E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.53E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.53E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.53E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.53E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.53E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.53E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.53E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.53E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.53E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.53E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.53E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.53E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.53E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.53E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.53E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.53E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.53E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08126

File Name: B08126B
Description: METHOD BLANK
Canister:
QC_Batch: 081226-GCK

Date Sampled:
Date Analyzed: 08/12/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:09

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08126
File Name: B08126B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/12/2026
QCBatch: 081226-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 11:09

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 293658
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**0**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081226-GCK		
Hexane Std Area:	293658		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

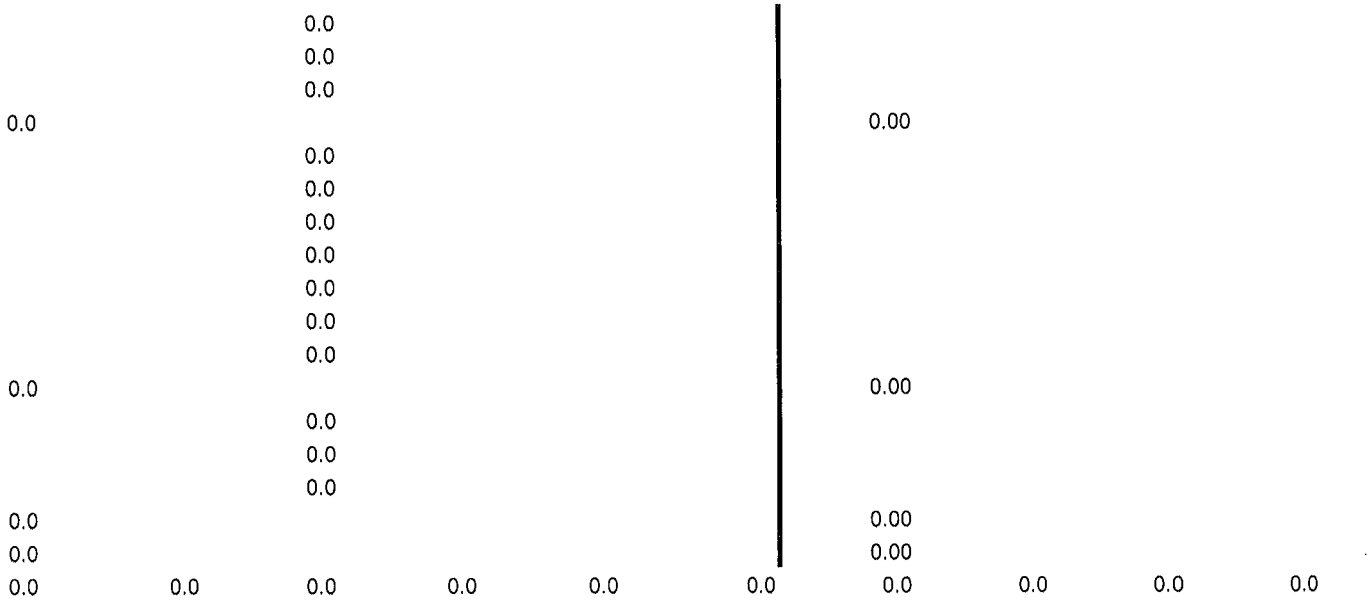
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08126**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08126	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdnl)}{(Cstdnl)}\right|_i$

2) ppbC = $\frac{6 \text{ Carbons}}{(\text{Avg RFn})} \cdot \frac{\text{Ansamp}}{\text{SV}} \cdot \text{CDF} \cdot 1000 = \text{Cn}$

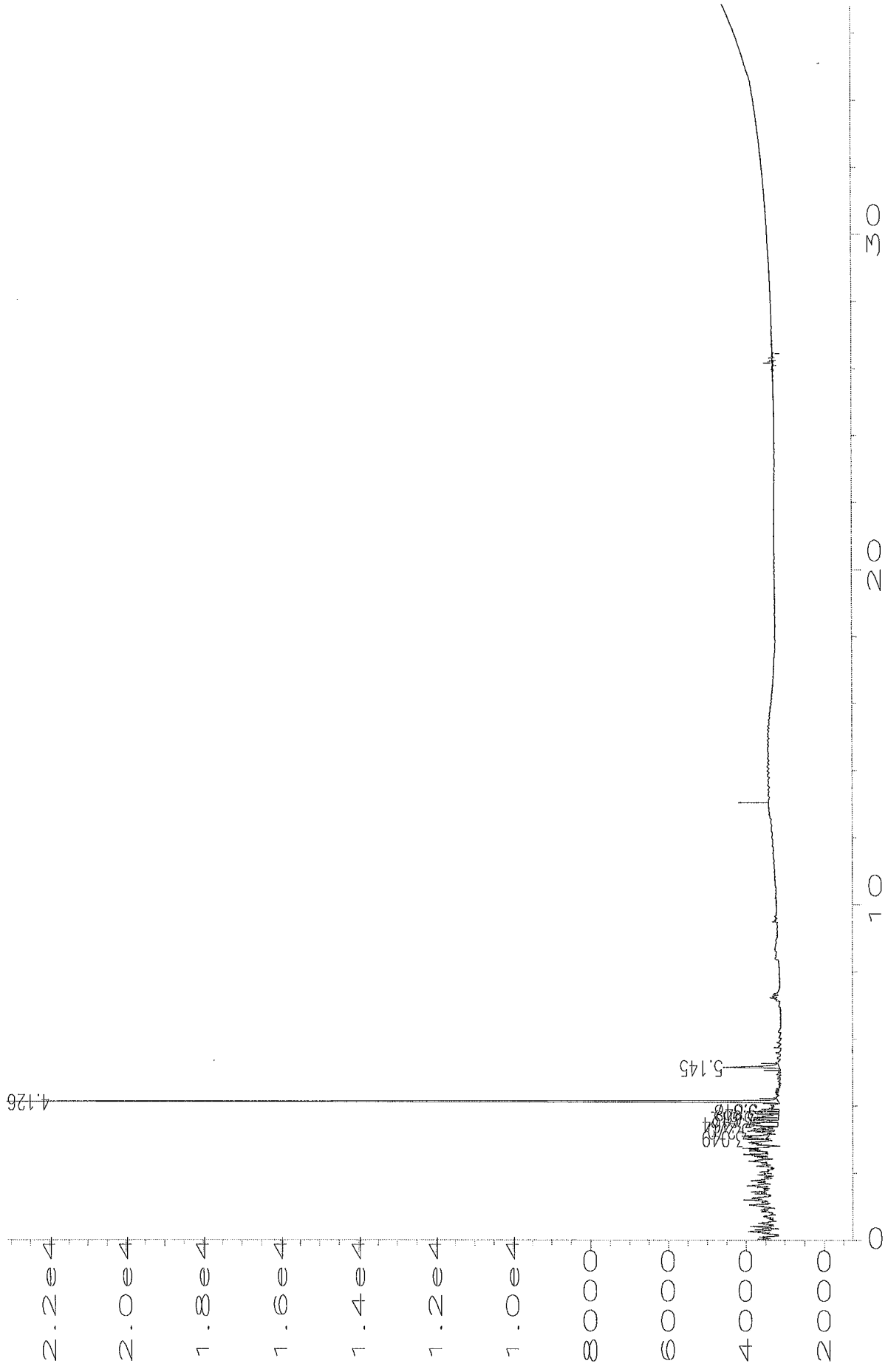
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = (amt(ppbv) $\frac{\text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.63E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.63E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.63E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.63E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.63E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.63E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.63E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.63E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.63E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.63E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.63E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.63E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.63E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.63E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.63E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.63E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.63E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.63E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.63E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.63E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.63E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.63E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.63E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.63E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.63E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08136

File Name: B08136B
Description: METHOD BLANK
Canister:
QC_Batch: 081326-GCK

Date Sampled: **Time:**
Date Analyzed: 08/13/2026 **Time:** 11:16
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08136
File Name: B08136B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/13/2026
QCBatch: 081326-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 11:16

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 284170
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win	C2-C	C5-C12
RT	0.3	0.1
RTI	3	3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081326-GCK		
Hexane Std Area:	284170		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

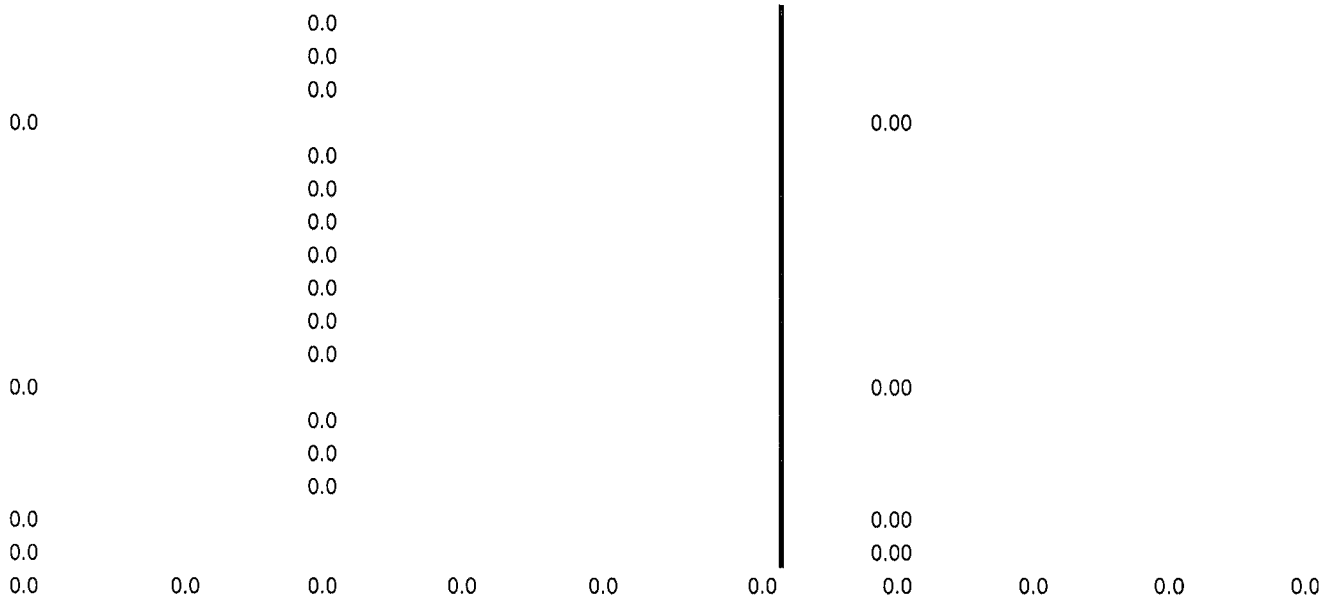
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08136**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
					0.0		0.00		
0.0						0.00			
					0.0		0.00		
					0.0		0.00		
		0.0				0.00			
				0.0					0.00
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
				0.0		0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
				0.0					0.00
		0.0				0.00			
			0.0						
		0.0				0.00			
		0.0				0.00			
0.0						0.00			
			0.0						


0.0
0.0
0.0

Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08136	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) |

2) ppbC = 6 Carbons (Avg RFn) × Ansamp SV × CDF × 1000 = **Cn**

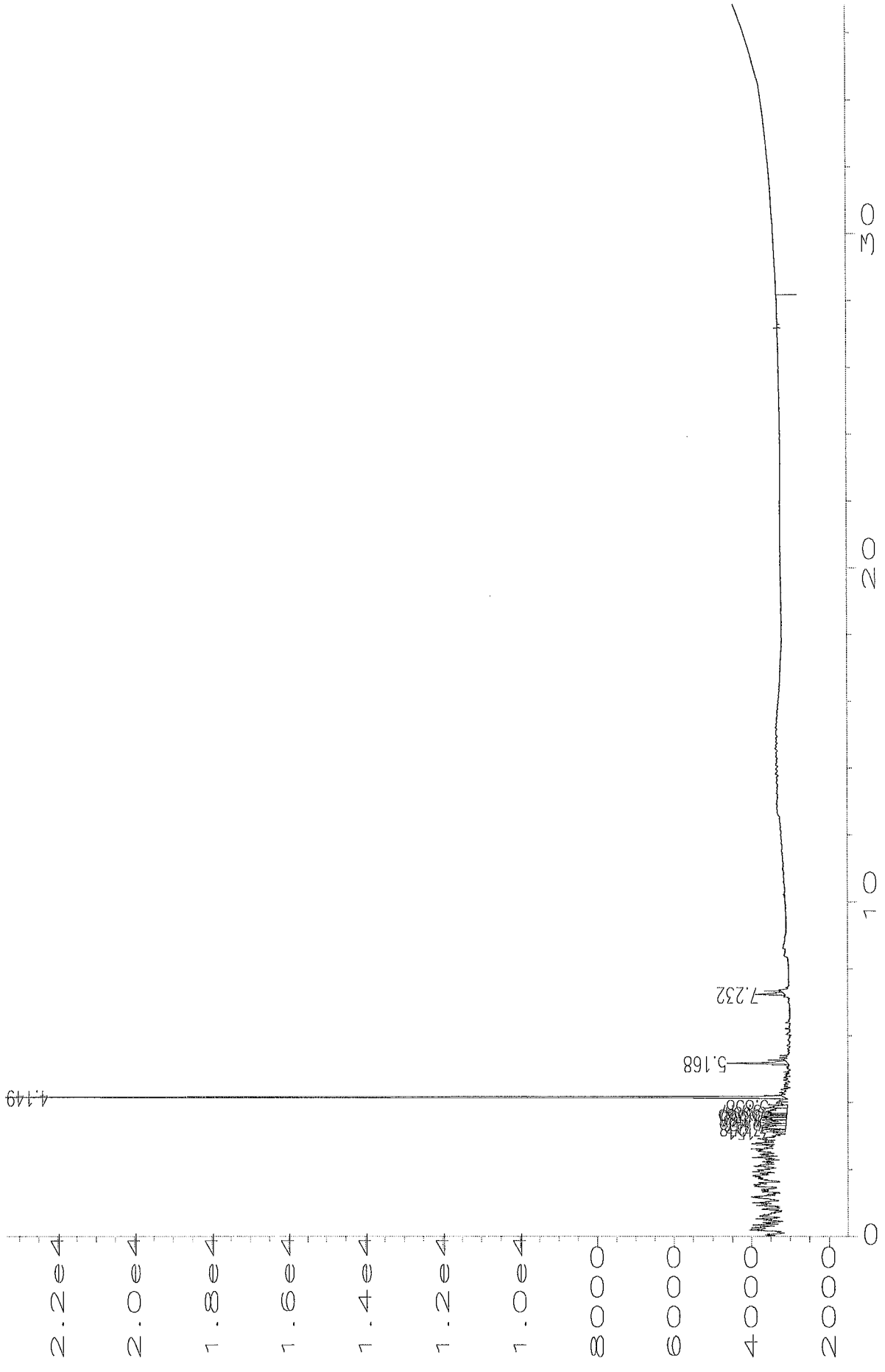
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.57E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.57E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.57E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.57E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.57E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.57E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.57E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.57E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.57E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.57E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.57E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.57E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.57E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.57E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.57E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.57E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.57E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.57E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.57E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.57E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.57E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.57E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.57E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.57E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.57E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.57E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.57E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.57E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.57E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.57E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.57E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.57E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.57E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.57E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.57E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.57E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.57E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.57E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.57E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.57E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.57E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.57E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.57E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.57E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.57E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.57E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.57E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.57E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.57E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08146

File Name: B08146B
Description: METHOD BLANK
Canister:
QC_Batch: 081426-GCK

Date Sampled:
Time:
Date Analyzed: 08/14/2026
Time: 12:05
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08146
File Name: B08146B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/14/2026
QCBatch: 081426-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 12:05

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 303813
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081426-GCK		
Hexane Std Area:	303813		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

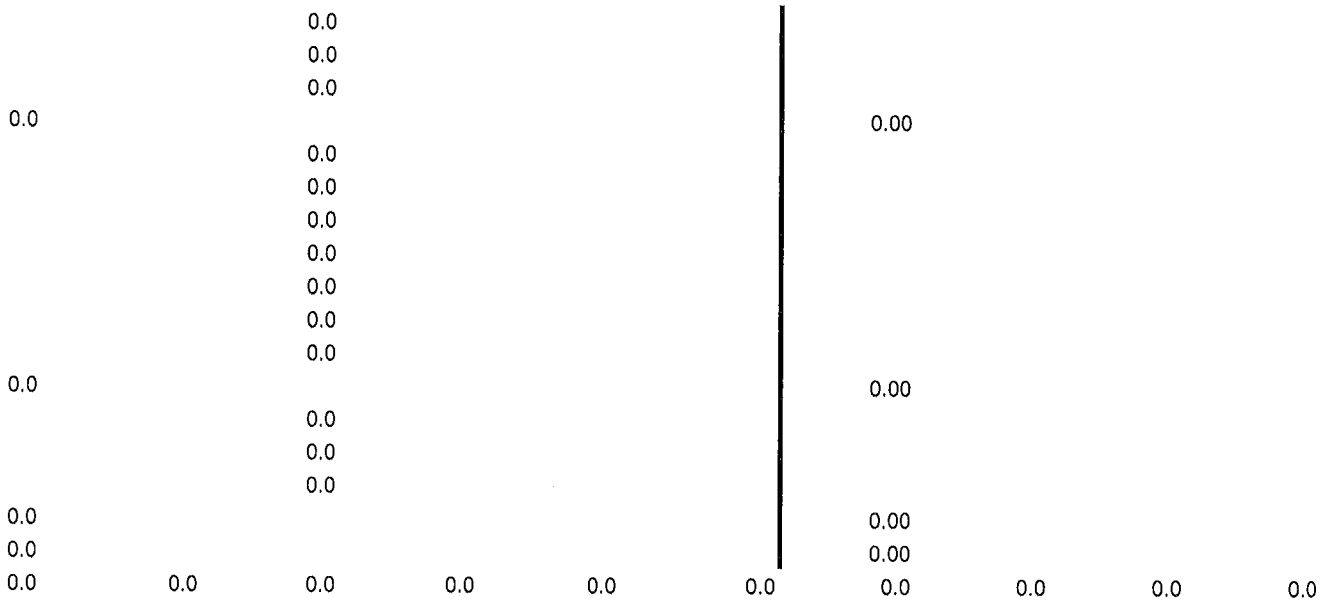
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08146**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08146	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdnl)}{(Cstdnl)}\right|_i$

2) ppbC = $\frac{6 \text{ Carbons} \quad Ansamp \quad CDF \quad 1000}{(Avg\ RFn) \quad SV}$ = Cn

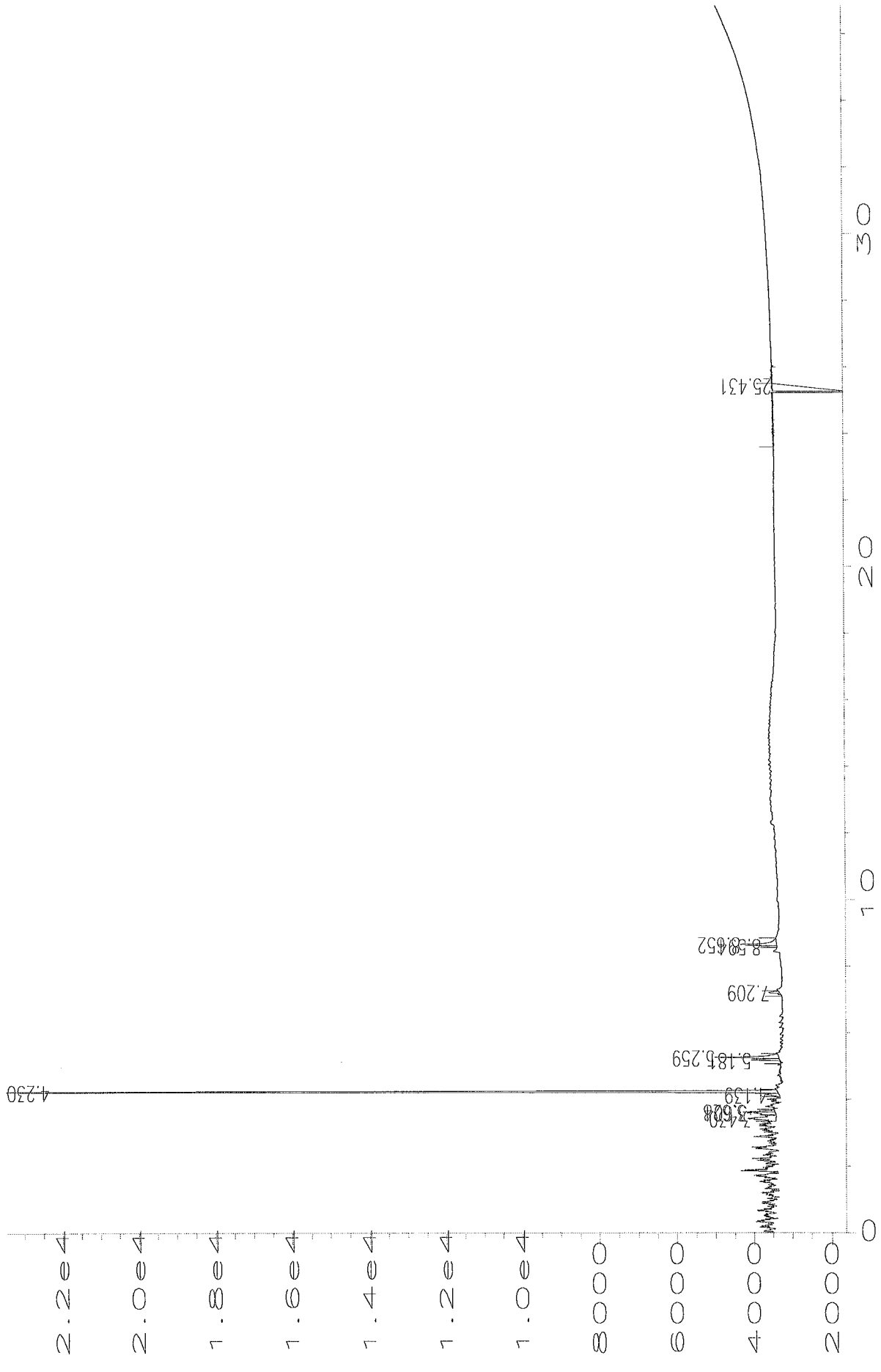
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv) \quad MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.68E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.68E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.68E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.68E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.68E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.68E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.68E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.68E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.68E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.68E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.68E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.68E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.68E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.68E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.68E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.68E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.68E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.68E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.68E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.68E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.68E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.68E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.68E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.68E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.68E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.68E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.68E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.68E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.68E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.68E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.68E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.68E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.68E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.68E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.68E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.68E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.68E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.68E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.68E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.68E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.68E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.68E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.68E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.68E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.68E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.68E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.68E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.68E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.68E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08196

File Name: B08196B
Description: METHOD BLANK
Canister:
QC_Batch: 081926-GCK

Date Sampled:
Date Analyzed: 08/19/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:02

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08196
File Name: B08196B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/19/2026
QCBatch: 081926-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: NA Matrix AA
Time: NA Chem TRG
Time: 11:02 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 313553
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	081926-GCK		
Hexane Std Area:	313553		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

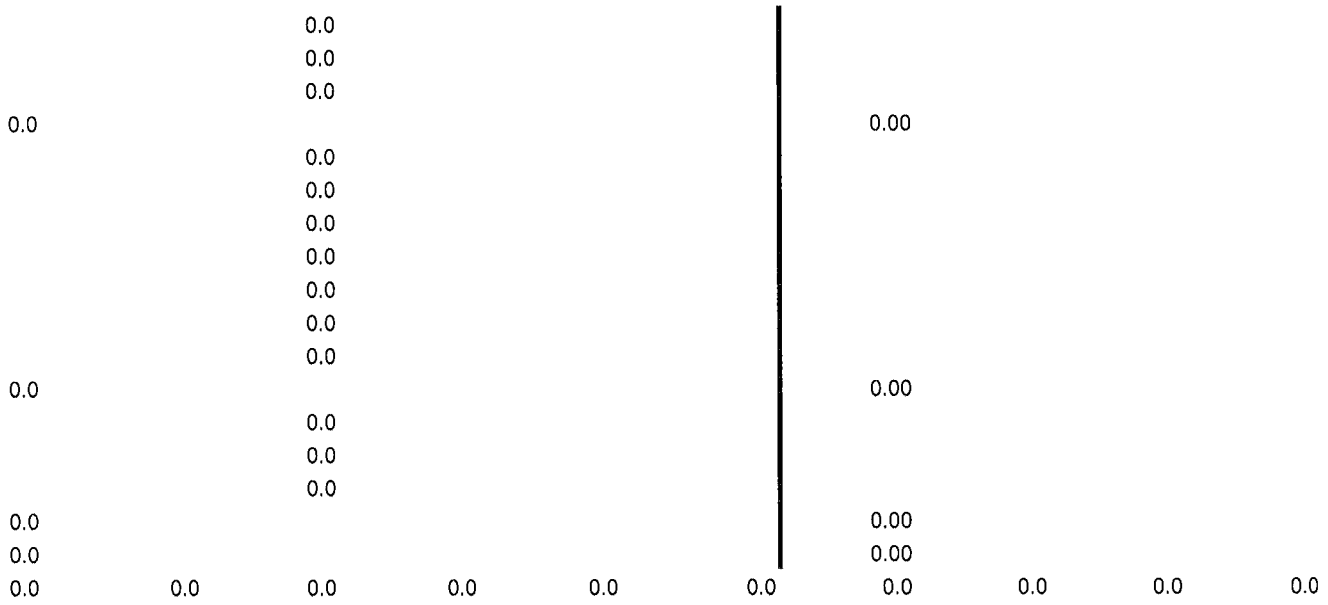
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08196**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
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					0.0		0.00		
0.0						0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08196	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum (Astdni) / (Cstdni) i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

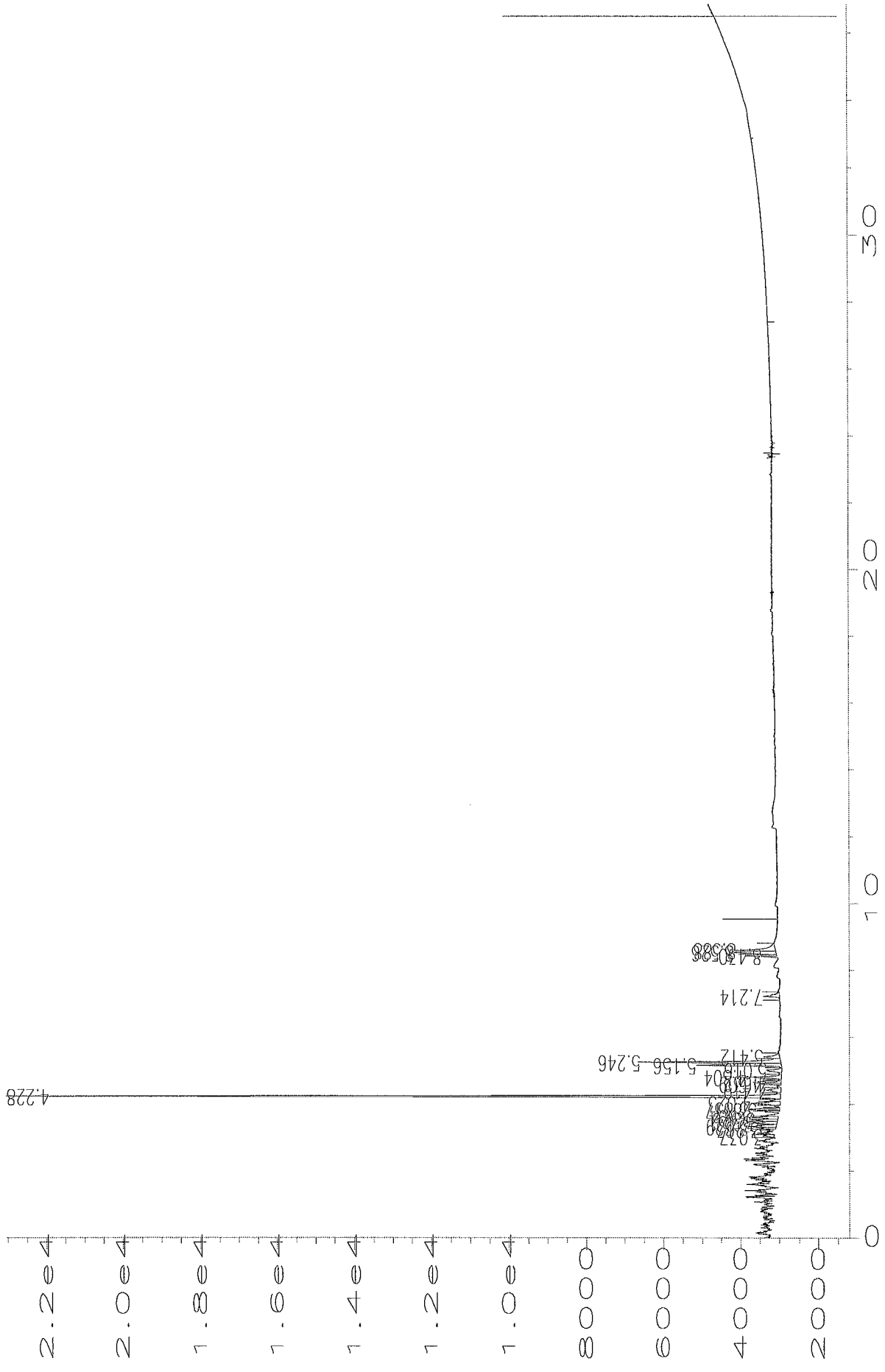
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.74E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.74E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.74E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.74E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.74E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.74E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.74E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.74E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.74E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.74E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.74E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.74E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.74E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.74E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.74E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.74E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.74E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.74E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.74E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.74E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.74E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.74E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.74E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.74E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.74E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08206

File Name: B08206B
Description: METHOD BLANK
Canister:
QC_Batch: 082026-GCK

Date Sampled:
Time:
Date Analyzed: 08/20/2026
Time: 10:52
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08206
File Name: B08206B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/20/2026
QCBatch: 082026-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 10:52

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 310192
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082026-GCK		
Hexane Std Area:	310192		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

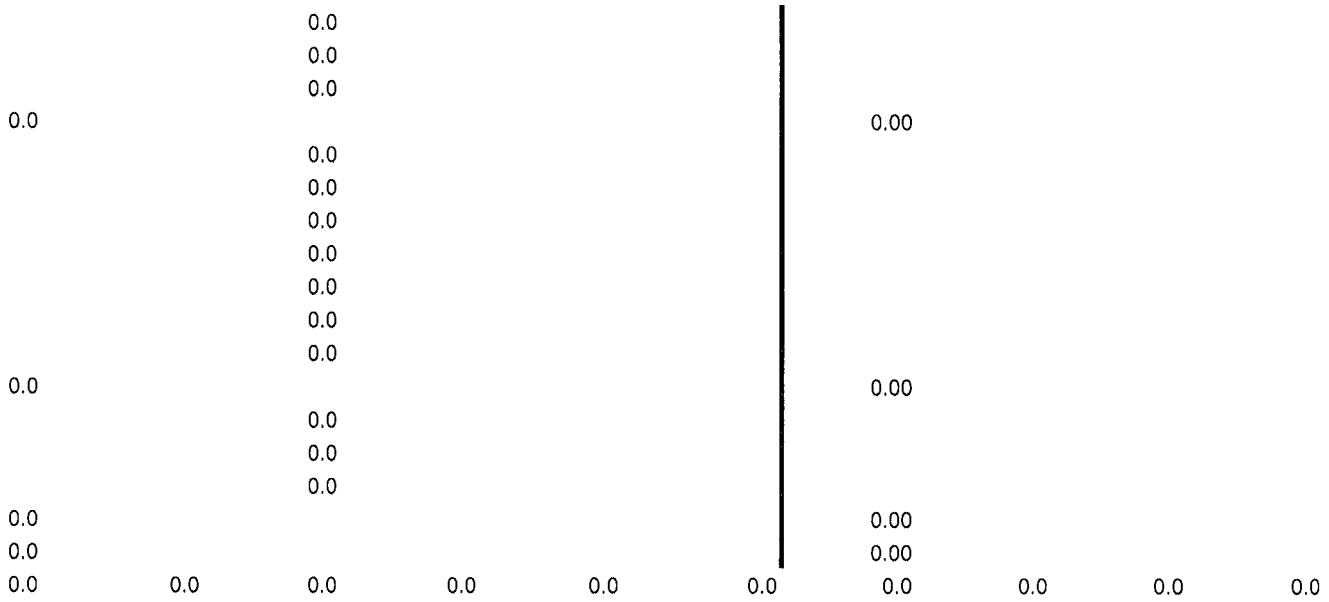
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08206**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
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					0.0			0.00	
0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08206	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdn}i)}{(\text{Cstdn}i)}\right|_i$

2) ppbC = $\frac{6 \text{ Carbons}}{(\text{Avg RFn})} \cdot \frac{\text{Ansamp}}{\text{SV}} \cdot \text{CDF} \cdot 1000 = \text{Cn}$

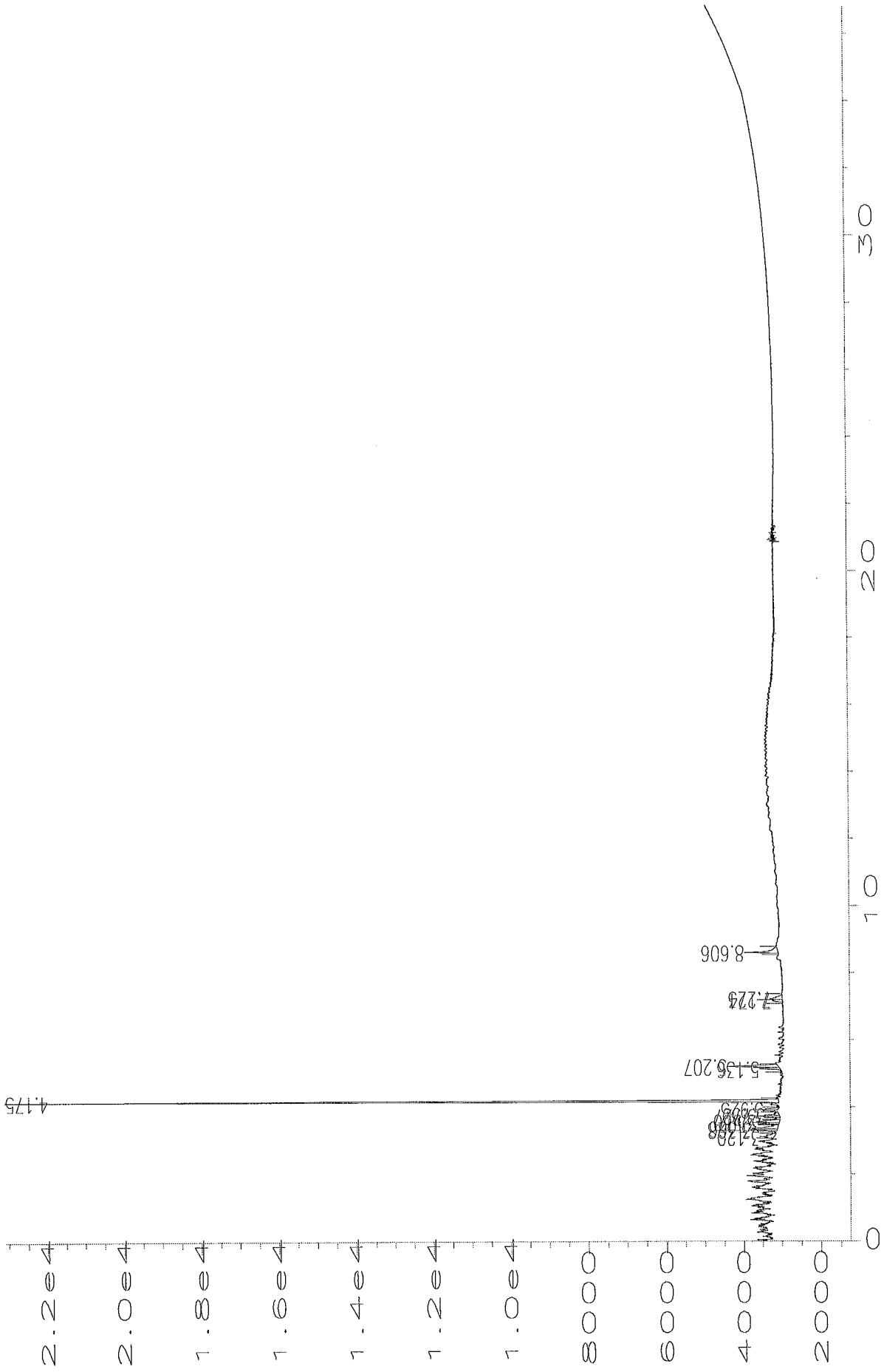
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $(\text{amt(ppbv)} \cdot \frac{\text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.72E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.72E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.72E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.72E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.72E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.72E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.72E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.72E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.72E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.72E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.72E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.72E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.72E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.72E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.72E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.72E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.72E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.72E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.72E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.72E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.72E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.72E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.72E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.72E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.72E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.72E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.72E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.72E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.72E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08256

File Name: B08256B
Description: METHOD BLANK
Canister:
QC_Batch: 082526-GCK

Date Sampled: **Time:**
Date Analyzed: 08/25/2026 **Time:** 16:37
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08256
File Name: B08256B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/25/2026
QCBatch: 082526-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Time: NA Matrix AA
Time: NA Chem TRG
Time: 16:37 MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 326537
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082526-GCK		
Hexane Std Area:	326537		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

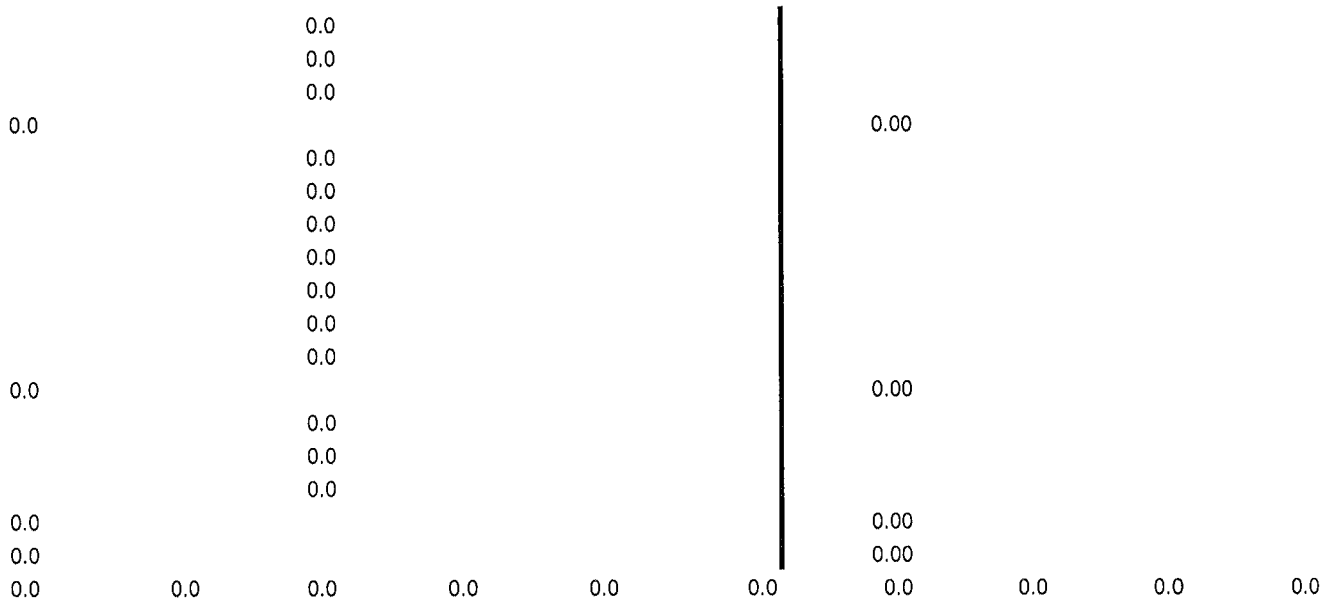
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08256**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

0.00

0.00

0.00

0.00
0.00
0.00

0.00
0.00
0.00
0.00
0.00
0.00
0.00

0.00
0.00
0.00

0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08256	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum $\frac{(Astdni)}{(Cstdni)}_i$

2) ppbC = $\frac{6 \text{ Carbons} \times Ansamp \times CDF \times 1000}{(Avg\ RFn) \times SV}$ = **Cn**

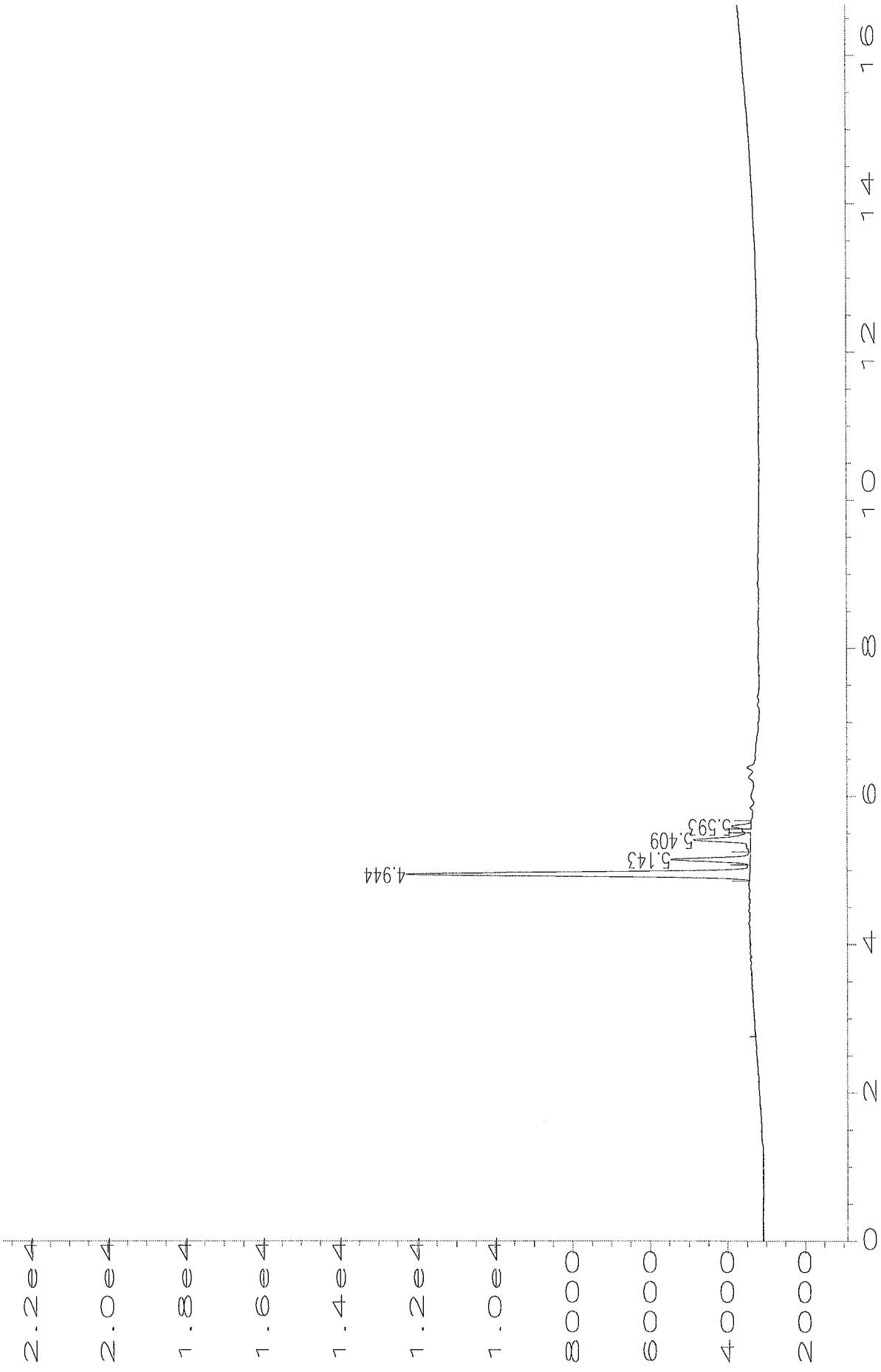
3) Amount ppbv = $\frac{Cn}{C\#}$

4) Amount ug/m3 = $\frac{(amt(ppbv) \times MW}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.81E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.81E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.81E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.81E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.81E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.81E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.81E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.81E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.81E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.81E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.81E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.81E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.81E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.81E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.81E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.81E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.81E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.81E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.81E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.81E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.81E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.81E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.81E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.81E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.81E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.81E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.81E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.81E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08266

File Name: B08266B
Description: METHOD BLANK
Canister:
QC_Batch: 082626-GCK

Date Sampled:
Date Analyzed: 08/26/2026
Can Factor: 1.00
Air Volume: 200 ml

Time:
Time: 11:14

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C(	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08266
File Name: B08266B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/26/2026
QCBatch: 082626-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 11:14

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 315469
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082626-GCK		
Hexane Std Area:	315469		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

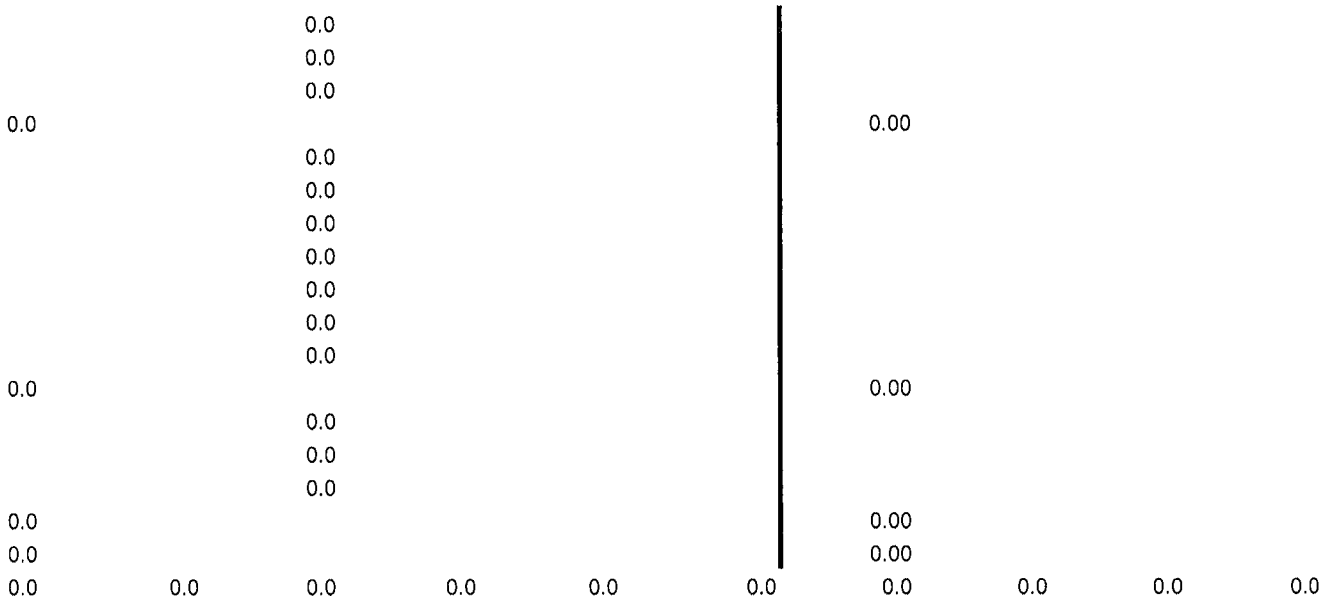
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08266**

FIXED RESULTG ug/m3	(1) MDL ppbC	(2) MDL ppbV	Calc MDL ppbV	Calc MDL ug/m3	Calc MDL ppbC	Calc RL ppbV	Calc RL ug/m3	Calc RL ppbC	Flag	Detect Flan	EPA Flag	Rept Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
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0.0						0.00			
					0.0		0.00		
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08266	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = Sum | (Astdni) / (Cstdni) |i

2) ppbC = 6 Carbons × Ansamp × CDF × 1000 / (Avg RFn) / SV = **Cn**

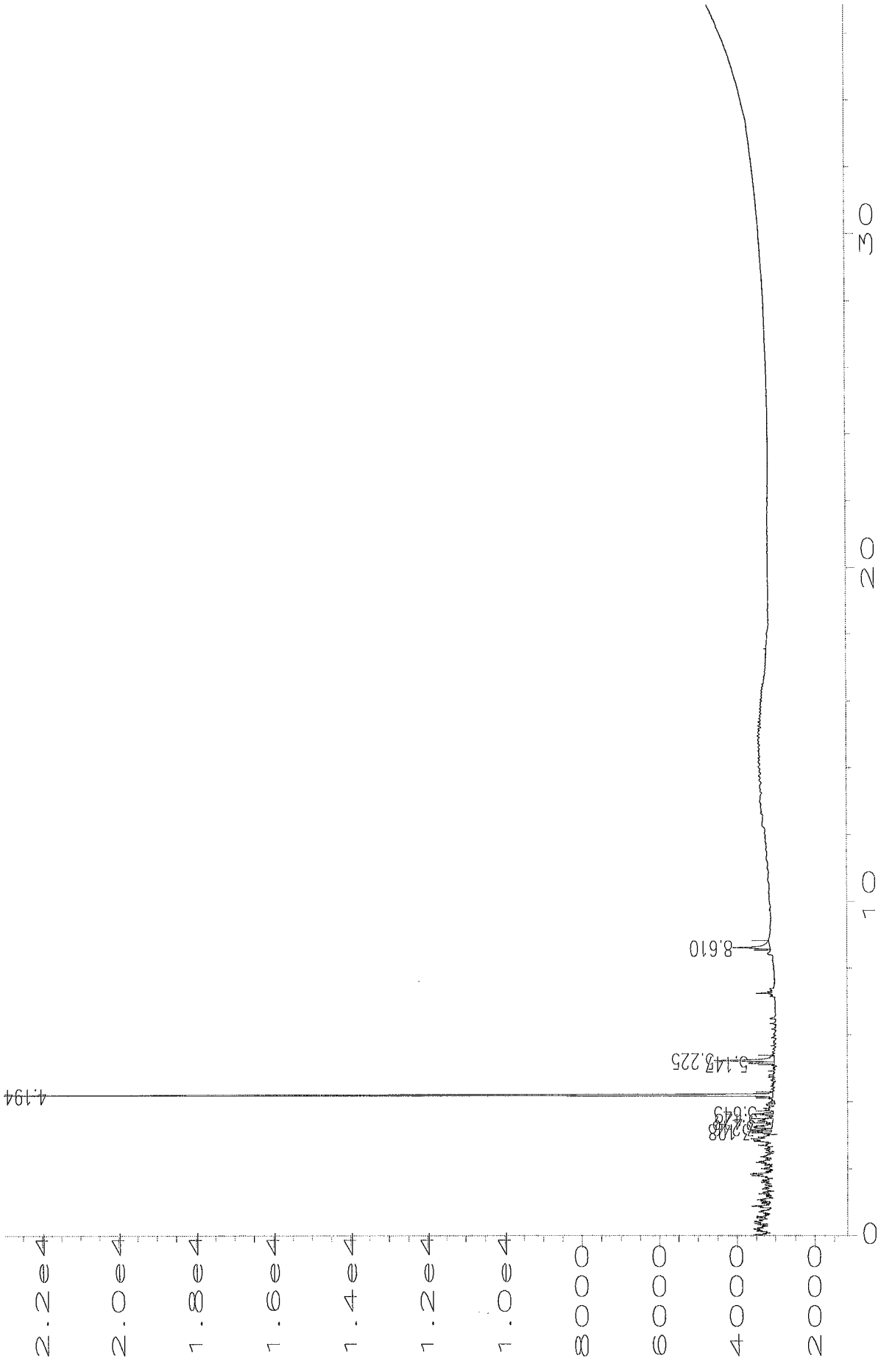
3) Amount ppbv = Cn / C#

4) Amount ug/m3 = (amt(ppbv) × MW) / 24.4

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.75E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.75E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.75E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.75E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.75E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.75E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.75E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.75E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.75E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.75E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.75E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID
Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08276

File Name: B08276B
Description: METHOD BLANK
Canister:
QC_Batch: 082726-GCK

Date Sampled: **Time:**
Date Analyzed: 08/27/2026 **Time:** 11:51
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08276
File Name: B08276B B
Sample ID: METHOD BLANK
Sampled: NA Time: NA
Received: NA Time: NA
Analyzed: 08/27/2026 Time: 11:51
QCBatch: 082726-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 301743
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					0		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	082726-GCK		
Hexane Std Area:	301743		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

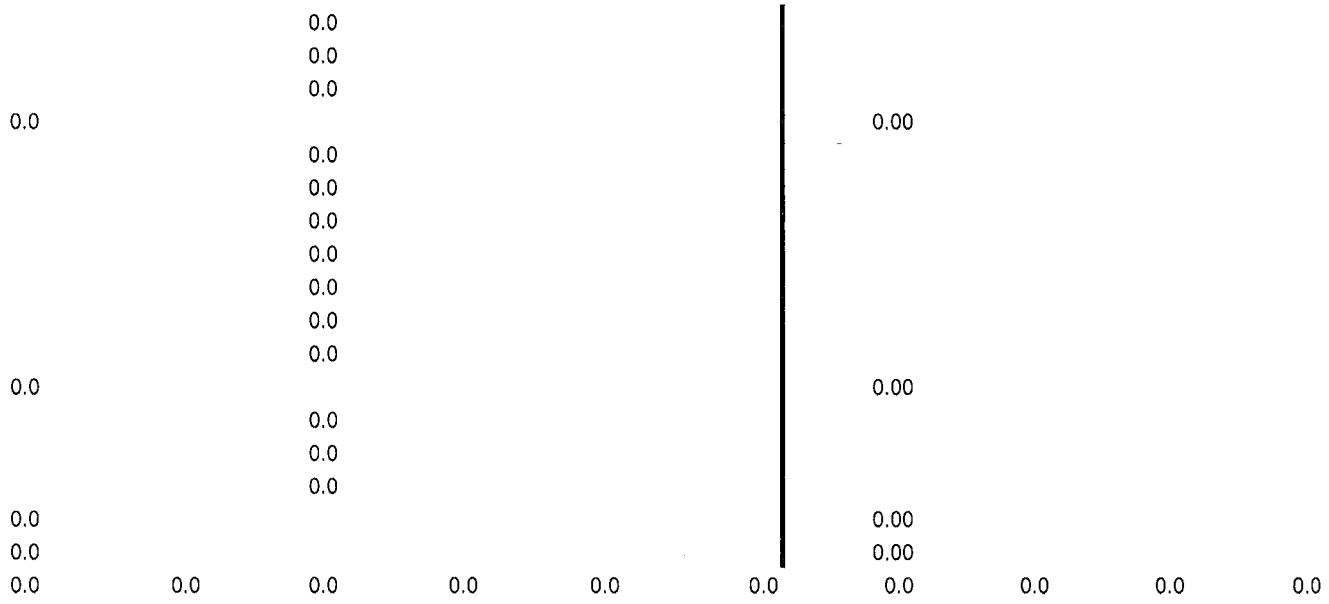
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08276**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08276	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\frac{\text{Sum}\left|\frac{(\text{Astdni})}{(\text{Cstdni})}\right|i}{}$

2) ppbC = $\frac{\text{6 Carbons} \quad \text{Ansamp} \quad \text{CDF} \quad 1000}{\text{(Avg RFn)} \quad \text{SV}}$ = **Cn**

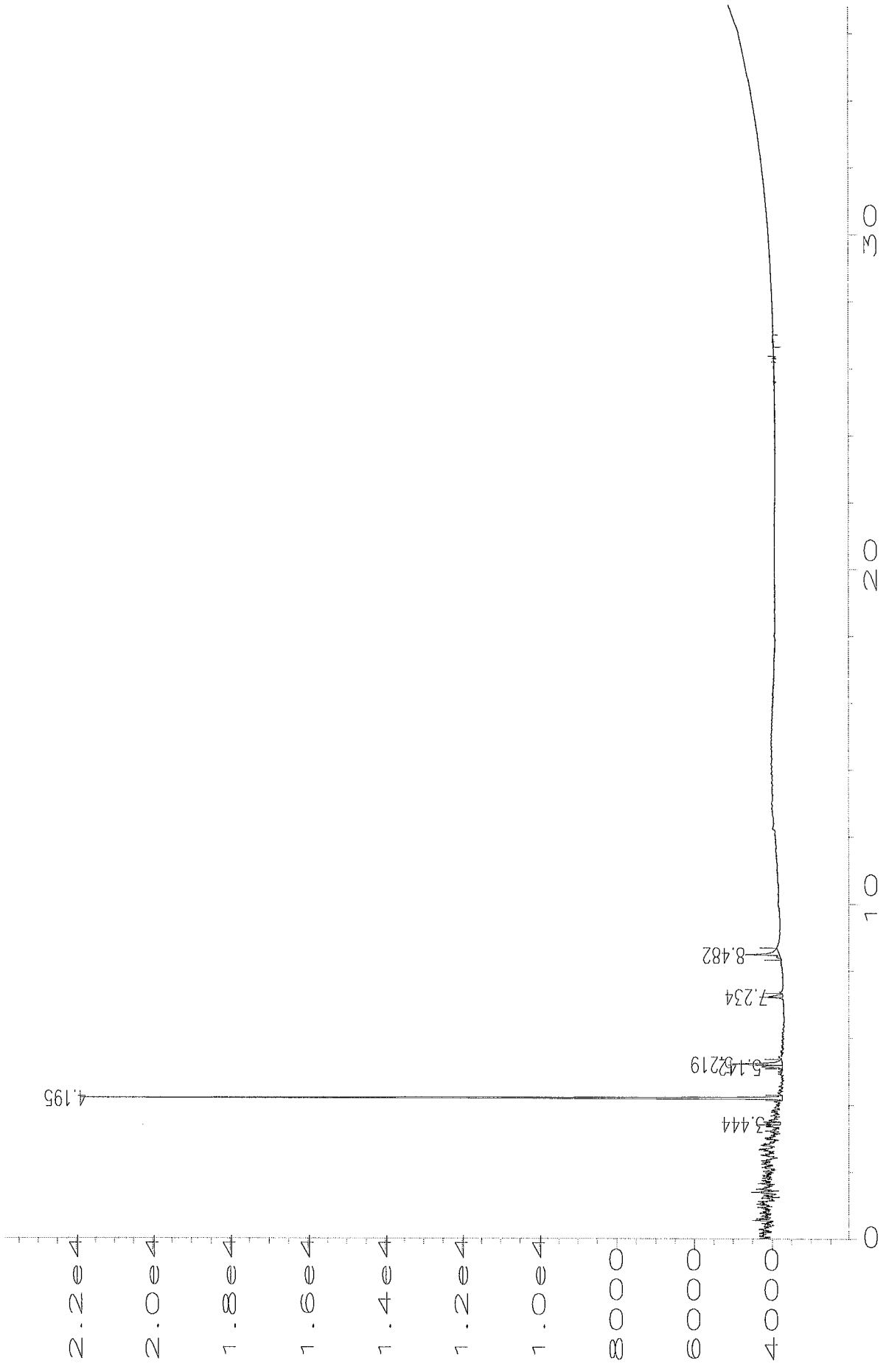
3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{\text{(amt(ppbv)} \quad \text{MW}}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	**Cn** ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.67E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.67E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.67E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.67E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.67E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.67E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.67E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.67E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.67E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.67E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.67E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.67E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.67E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.67E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.67E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.67E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.67E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.67E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.67E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.67E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.67E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.67E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.67E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.67E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.67E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.67E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.67E+04	0	0.0	0.00	0.00

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

EPA Method TO-14 FID

Analytical Method: TO-14FID

SDG: LABQC
Laboratory Number: B08316

File Name: B08316B
Description: METHOD BLANK
Canister:
QC_Batch: 083126-GCK

Date Sampled: **Time:**
Date Analyzed: 08/31/2026 **Time:** 11:18
Can Factor: 1.00
Air Volume: 200 ml

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
74-85-1	Ethene	2.00	6.00	ND	2.30	6.91	ND	ND
74-86-2	Acetylene	2.00	6.00	ND	2.13	6.39	ND	ND
74-84-0	Ethane	2.00	6.00	ND	2.47	7.40	ND	ND
115-07-1	Propene	1.33	4.00	ND	2.30	6.90	ND	ND
74-98-6	Propane	1.33	4.00	ND	2.41	7.23	ND	ND
75-28-5	i-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
106-98-9	1-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
106-97-8	n-Butane	1.00	3.00	ND	2.38	7.14	ND	ND
624-64-6	t-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
590-18-1	c-2-Butene	1.00	3.00	ND	2.30	6.90	ND	ND
78-78-4	i-Pentane	0.80	2.40	ND	2.37	7.10	ND	ND
109-67-1	1-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
109-66-0	n-Pentane	0.80	2.40	ND	2.36	7.09	ND	ND
646-04-8	t-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
627-20-3	c-2-Pentene	0.80	2.40	ND	2.30	6.90	ND	ND
75-83-2	2,2-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
287-92-3	Cyclopentane	0.80	2.40	ND	2.30	6.90	ND	ND
79-29-8	2,3-Dimethylbutane	0.67	2.00	ND	2.36	7.07	ND	ND
107-83-5	2-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
96-14-0	3-Methylpentane	0.67	2.00	ND	2.36	7.07	ND	ND
110-54-3	n-Hexane	0.67	2.00	ND	2.36	7.07	ND	ND
96-37-7	Methylcyclopentane	0.67	2.00	ND	2.30	6.90	ND	ND
108-08-7	2,4-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
71-43-2	Benzene	0.67	2.00	ND	2.13	6.40	ND	ND
110-82-7	Cyclohexane	0.67	2.00	ND	2.30	6.90	ND	ND
591-76-4	2-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
565-59-3	2,3-Dimethylpentane	0.57	1.71	ND	2.35	7.04	ND	ND
589-34-4	3-Methylhexane	0.57	1.71	ND	2.35	7.04	ND	ND
540-84-1	2,2,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
142-82-5	n-Heptane	0.57	1.71	ND	2.35	7.04	ND	ND
108-87-2	Methylcyclohexane	0.57	1.71	ND	2.30	6.90	ND	ND
565-75-3	2,3,4-Trimethylpentane	0.50	1.50	ND	2.34	7.02	ND	ND
108-88-3	Toluene	0.57	1.71	ND	2.16	6.47	ND	ND
592-27-8	2-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
589-81-1	3-Methylheptane	0.50	1.50	ND	2.34	7.02	ND	ND
111-65-9	n-Octane	0.50	1.50	ND	2.34	7.02	ND	ND
100-41-4	Ethylbenzene	0.50	1.50	ND	2.18	6.53	ND	ND

CAS#	Compound	MDL ppbV	RL ppbV	Amount ppbV	MDL ug/m3	RL ug/m3	Amount ug/m3	Flag
108-38-3	m,p-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
100-42-5	Styrene	0.50	1.50	ND	2.14	6.41	ND	ND
95-47-6	o-xylene	0.50	1.50	ND	2.18	6.53	ND	ND
111-84-2	n-Nonane	0.44	1.33	ND	2.34	7.01	ND	ND
98-82-8	i-Propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
103-65-1	n-propylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
620-14-4	3-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
622-96-8	4-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
108-67-8	1,3,5-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
611-14-3	2-Ethyltoluene	0.44	1.33	ND	2.19	6.57	ND	ND
95-63-6	1,2,4-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
124-18-5	n-Decane	0.40	1.20	ND	2.33	7.00	ND	ND
526-73-8	1,2,3-Trimethylbenzene	0.44	1.33	ND	2.19	6.57	ND	ND
141-93-5	1,3-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
105-05-5	1,4-Diethylbenzene	0.40	1.20	ND	2.20	6.60	ND	ND
1120-21-4	Undecane	0.36	1.09	ND	2.33	6.99	ND	ND
112-40-3	Dodecane	0.33	1.00	ND	2.33	6.98	ND	ND
	Total Petroleum Hydrocarbons:							
TNMHC - C6	Total Non-Methane Hydrocarbons-C	7.50	22.50	ND	26.50	79.49	ND	ND
TNMHC - C1	Total Non-Methane Hydrocarbons-C	45.00	135.00	ND	29.51	88.52	ND	ND

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: LABQC
EAS ID: B08316
File Name: B08316B B
Sample ID: METHOD BLANK
Sampled: NA
Received: NA
Analyzed: 08/31/2026
QCBatch: 083126-GCK
Can: NA
Can Factor: 1.00
Volume: 200.0
Type: MB

Time: NA
Time: NA
Time: 11:18

Method: TO-14FID TO-14FID
Not Detected Flag: ND TO-15FID
SF: 2 TO-3
Instrument: GCK EPA 18M
Matrix AA
Chem TRG
MDL Fac: 1.0
Unit Factor 1000 1000 for ppb 1 for ppm
Hexane Area: 316715
Hexane Concentration: 18.05
Standard Volume: 1.00
Standard ID: ST62344

RT Win C2-C5 C5-C12
RT 0.3 0.1
RTI 3 3

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	24.87		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	27.26		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	29.86		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	32.46		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**0**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

CALCULATIONS

EPA Method TO-14 FID

QCBatch:	083126-GCK		
Hexane Std Area:	316715		
Hexane Conc.	18.05	Oxygenate Response	0.75
Standard Volume:	1.00	ND Flag:	ND
Can Dilution Factor:	1.00	MDL Factor	1
Air Volume:	200.00		
Combined Factor:	1.00		
Gas Constant:	24.4		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppbC	RESULTV ppbV	Result ug/m3	FIXED Result ppbC	FIXED RESULTV ppbV	FIXED Result ug/m3	FIXED RESULTQ ug/m3
Ethene	28.1	2	0.00	0.00	0.00	ND	ND	ND	0
Acetylene	26.0	2	0.00	0.00	0.00	ND	ND	ND	0
Ethane	30.1	2	0.00	0.00	0.00	ND	ND	ND	0
Propene	42.1	3	0.00	0.00	0.00	ND	ND	ND	0
Propane	44.1	3	0.00	0.00	0.00	ND	ND	ND	0
i-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
1-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
n-Butane	58.1	4	0.00	0.00	0.00	ND	ND	ND	0
t-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
c-2-Butene	56.1	4	0.00	0.00	0.00	ND	ND	ND	0
i-Pentane	72.2	5	0.00	0.00	0.00	ND	ND	ND	0
1-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
n-Pentane	72.1	5	0.00	0.00	0.00	ND	ND	ND	0
t-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
c-2-Pentene	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,2-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclopentane	70.1	5	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylbutane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
3-Methylpentane	86.2	6	0.00	0.00	0.00	ND	ND	ND	0
n-Hexane	86.2	6	0.00	**0.00**	0.00	ND	ND	ND	0
Methylcyclopentane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2,4-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Benzene	78.1	6	0.00	0.00	0.00	ND	ND	ND	0
Cyclohexane	84.2	6	0.00	0.00	0.00	ND	ND	ND	0
2-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3-Dimethylpentane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
3-Methylhexane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,2,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Heptane	100.2	7	0.00	0.00	0.00	ND	ND	ND	0
Methylcyclohexane	98.2	7	0.00	0.00	0.00	ND	ND	ND	0
2,3,4-Trimethylpentane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Toluene	92.1	7	0.00	0.00	0.00	ND	ND	ND	0
2-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
3-Methylheptane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Octane	114.2	8	0.00	0.00	0.00	ND	ND	ND	0
Ethylbenzene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0

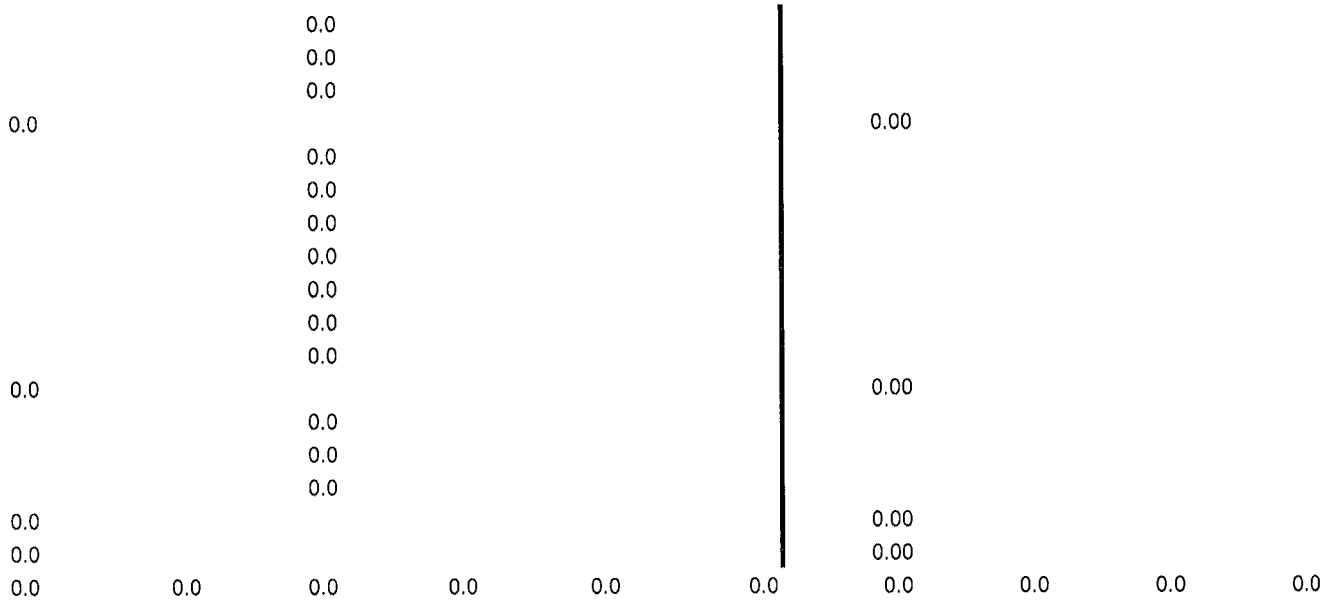
m,p-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
Styrene	104.2	8	0.00	0.00	0.00	ND	ND	ND	0
o-xylene	106.2	8	0.00	0.00	0.00	ND	ND	ND	0
n-Nonane	128.3	9	0.00	0.00	0.00	ND	ND	ND	0
i-Propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-propylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
3-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
4-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3,5-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
2-Ethyltoluene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,2,4-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
n-Decane	142.3	10	0.00	0.00	0.00	ND	ND	ND	0
1,2,3-Trimethylbenzene	120.2	9	0.00	0.00	0.00	ND	ND	ND	0
1,3-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
1,4-Diethylbenzene	134.2	10	0.00	0.00	0.00	ND	ND	ND	0
Undecane	156.3	11	0.00	0.00	0.00	ND	ND	ND	0
Dodecane	170.3	12	0.00	0.00	0.00	ND	ND	ND	0
Total Petroleum Hydrocarbons:				ppbV	ug/m3				ug/m3
Total Non-Methane Hydrocarbons-C6	86.2	6.0	0.00	0.0	0.0	ND	ND	ND	0
Total Non-Methane Hydrocarbons-C1	16	1.0	0.00	0.0	0.0	ND	ND	ND	0

SDG: **LABQC**
Laboratory Number: **B08316**

FIXED	(1)	(2)	Calc	Calc	Calc	Calc	Calc	Calc				
RESULTG	MDL	MDL	MDL	MDL	MDL	RL	RL	RL		Detect	EPA	Rept
ug/m3	ppbC	ppbV	ppbV	ug/m3	ppbC	ppbV	ug/m3	ppbC	Flag	Flan	Flag	Res
	4.000	2.00	2.00	2.30	4.00	6.00	6.91	12.0	U	ND		Y
	4.000	2.00	2.00	2.13	4.00	6.00	6.39	12.0	U	ND		Y
	4.000	2.00	2.00	2.47	4.00	6.00	7.40	12.0	U	ND		Y
	4.000	1.33	1.33	2.30	4.00	4.00	6.90	12.0	U	ND		Y
	4.000	1.33	1.33	2.41	4.00	4.00	7.23	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.38	4.00	3.00	7.14	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	1.00	1.00	2.30	4.00	3.00	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.37	4.00	2.40	7.10	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.36	4.00	2.40	7.09	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.80	0.80	2.30	4.00	2.40	6.90	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.36	4.00	2.00	7.07	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.67	0.67	2.13	4.00	2.00	6.40	12.0	U	ND		Y
	4.000	0.67	0.67	2.30	4.00	2.00	6.90	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.35	4.00	1.71	7.04	12.0	U	ND		Y
	4.000	0.57	0.57	2.30	4.00	1.71	6.90	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.57	0.57	2.16	4.00	1.71	6.47	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.34	4.00	1.50	7.02	12.0	U	ND		Y
	4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND		Y

4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.50	0.50	2.14	4.00	1.50	6.41	12.0	U	ND	Y
4.000	0.50	0.50	2.18	4.00	1.50	6.53	12.0	U	ND	Y
4.000	0.44	0.44	2.34	4.00	1.33	7.01	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.33	4.00	1.20	7.00	12.0	U	ND	Y
4.000	0.44	0.44	2.19	4.00	1.33	6.57	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.40	0.40	2.20	4.00	1.20	6.60	12.0	U	ND	Y
4.000	0.36	0.36	2.33	4.00	1.09	6.99	12.0	U	ND	Y
4.000	0.33	0.33	2.33	4.00	1.00	6.98	12.0	U	ND	Y
										Y
45.00	7.5	7.50	26.50	45.00	22.5	79.5	135.0	U	ND	Y
45.00	45.0	45.00	29.51	45.00	135.0	88.5	135.0	U	ND	Y

Parafins	Iso Parafins	Aromatics	Napthlenic	Olefins	Oxygenates	Alkanes	Alkenes	Alkynes	Cycloalkanes
					0.0		0.00		
					0.0			0.00	
0.0						0.00			
					0.0		0.00		
0.0						0.00			
		0.0				0.00			
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Cycloalkenes	Alcohols	Ketones	Ethers	Aromatics	Terpenes

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0.0	0.0	0.0	0.0	0.0	0.0

SAMPLE CALCULATION

EPA Method TO-14 FID

SDG:		LABQC	
Laboratory Number:		B08316	
Standard Volume	STV	1.0	
Sample Volume	SV	200	
Can Dilution Factor	CDF	1.00	
Gas Constant		24.4	25C
Decimal Places:		2	

Sample Calculation:

1) Avg RFn = $\text{Sum}\left|\frac{(\text{Astdnl})}{(\text{Cstdnl})}\right|_i$

2) ppbC = $\frac{6\ \text{Carbons} \times \text{Ansamp} \times \text{CDF} \times 1000}{(\text{Avg RFn}) \times \text{SV}} = \text{Cn}$

3) Amount ppbv = $\frac{\text{Cn}}{\text{C\#}}$

4) Amount ug/m3 = $\frac{(\text{amt(ppbv)} \times \text{MW})}{24.4}$

Compound	C #	Chem type	MW	AvgRFn	Area Ansamp	Cn ppbC Raw Amt	Amount ppbv	Amount ug/m3
Ethene	2	TRG	28.1	1.75E+04	0	0.0	0.00	0.00
Acetylene	2	TRG	26.0	1.75E+04	0	0.0	0.00	0.00
Ethane	2	TRG	30.1	1.75E+04	0	0.0	0.00	0.00
Propene	3	TRG	42.1	1.75E+04	0	0.0	0.00	0.00
Propane	3	TRG	44.1	1.75E+04	0	0.0	0.00	0.00
i-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
1-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
n-Butane	4	TRG	58.1	1.75E+04	0	0.0	0.00	0.00
t-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
c-2-Butene	4	TRG	56.1	1.75E+04	0	0.0	0.00	0.00
i-Pentane	5	TRG	72.2	1.75E+04	0	0.0	0.00	0.00
1-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
n-Pentane	5	TRG	72.1	1.75E+04	0	0.0	0.00	0.00
t-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
c-2-Pentene	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,2-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Cyclopentane	5	TRG	70.1	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylbutane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
2-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
3-Methylpentane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
n-Hexane	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Methylcyclopentane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2,4-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Benzene	6	TRG	78.1	1.75E+04	0	0.0	0.00	0.00
Cyclohexane	6	TRG	84.2	1.75E+04	0	0.0	0.00	0.00
2-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,3-Dimethylpentane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
3-Methylhexane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
2,2,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Heptane	7	TRG	100.2	1.75E+04	0	0.0	0.00	0.00
Methylcyclohexane	7	TRG	98.2	1.75E+04	0	0.0	0.00	0.00
2,3,4-Trimethylpentane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Toluene	7	TRG	92.1	1.75E+04	0	0.0	0.00	0.00
2-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
3-Methylheptane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
n-Octane	8	TRG	114.2	1.75E+04	0	0.0	0.00	0.00
Ethylbenzene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00

m,p-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
Styrene	8	TRG	104.2	1.75E+04	0	0.0	0.00	0.00
o-xylene	8	TRG	106.2	1.75E+04	0	0.0	0.00	0.00
n-Nonane	9	TRG	128.3	1.75E+04	0	0.0	0.00	0.00
i-Propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-propylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
3-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
4-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3,5-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
2-Ethyltoluene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,2,4-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
n-Decane	10	TRG	142.3	1.75E+04	0	0.0	0.00	0.00
1,2,3-Trimethylbenzene	9	TRG	120.2	1.75E+04	0	0.0	0.00	0.00
1,3-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
1,4-Diethylbenzene	10	TRG	134.2	1.75E+04	0	0.0	0.00	0.00
Undecane	11	TRG	156.3	1.75E+04	0	0.0	0.00	0.00
Dodecane	12	TRG	170.3	1.75E+04	0	0.0	0.00	0.00
Total Petroleum Hydrocarbons:								
Total Non-Methane Hydrocarbons-C6	6	TRG	86.2	1.75E+04	0	0.0	0.00	0.00
Total Non-Methane Hydrocarbons-C1	1	TRG	16.0	1.75E+04	0	0.0	0.00	0.00

LCS/LCD Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
There will be one LCS/LCD report for each QC Batch (DAB) in this SDG.

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Quantitation Report
Calculations
Sample Calculations
Chromatogram

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 073126-GCK
Date: 07/31/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	92		94		70	130	2	25	
110-54-3	n-Hexane	98		102		70	130	4	25	
71-43-2	Benzene	77		87		70	130	10	25	
142-82-5	n-Heptane	106		115		70	130	9	25	
108-88-3	Toluene	95		109		70	130	15	25	
111-65-9	n-Octane	101		114		70	130	12	25	
108-38-3	m,p-xylene	95		104		70	130	10	25	
95-47-6	o-xylene	105		109		70	130	4	25	
108-67-8	1,3,5-Trimethylbenzene	104		110		70	130	7	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	QC07316C	QC07316B	C07316A
SDG:	LABQC	LABQC	
LCS EAS ID:	QC07316C	QC07316B	
Time:	10:42	11:32	
Date Analyzed:	07/31/2026		
QCBatch:	073126-GCK	Method: TO-12	TO-14
Hexane Con Cal:	342823		TO-03
Standard:	ST62334	Not Detected Flag: ND	EPA 18
Chem:	TRG	SF: 2	TO-12
Matrix:	AA	Instrument: GCK	
Can Factor:	1.00	Unit Factor 20	
Volume:	1.00 ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**11346**	**11593**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**17209**	**17876**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**16871**	**19048**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**19297**	**20947**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**16350**	**18855**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**21241**	**23852**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**17838**	**19656**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**19497**	**20213**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**22727**	**24246**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	65	13.1	39.8
n-Hexane	86.2	6	99	16.5	60.1
Benzene	78.1	6	97	16.2	53.4
n-Heptane	100.2	7	111	15.9	67.2
Toluene	92.1	7	94	13.4	52.3
n-Octane	114.2	8	122	15.3	73.7
m,p-xylene	106.2	8	103	12.8	57.6
o-xylene	106.2	8	112	14.0	62.9
1,3,5-Trimethylbenzene	120.2	9	131	14.5	73.8

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	67	13.4
n-Hexane	86.2	6	103	17.2
Benzene	78.1	6	110	18.3
n-Heptane	100.2	7	121	17.2
Toluene	92.1	7	109	15.5
n-Octane	114.2	8	137	17.2
m,p-xylene	106.2	8	113	14.1
o-xylene	106.2	8	116	14.5
1,3,5-Trimethylbenzene	120.2	9	140	15.5

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\2614414A.D
Operator : UG/SW
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : T-114
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Jul 26 06:31 PM
Instrument Method: KTO3DHC.MTH
Report Created on: 31 Jul 26 07:08 PM
Analysis Method : KTO3DHC.MTH
Sample Info : SCHMIDT

Sig. 1 in C:\HPCHEM\1\DATA\07316K\2614414A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.268	1032	547	BV	0.029	0.3024
2	4.332	54010	23574	VB	0.036	15.8235
3	4.605	192244	91794	BV	0.033	56.3222
4	4.791	8168	3093	VB	0.039	2.3929
5	5.671	5950	1695	VB	0.051	1.7433
6	6.137	2722	377	BV	0.094	0.7975
7	6.384	3660	1297	VB	0.043	1.0724
8	8.500	53787	4590	BV	0.144	15.7580
9	9.411	3920	587	BB	0.087	1.1485
10	10.628	3654	2735	BV	0.023	1.0704
11	10.691	12182	1992	VB	0.080	3.5690

Total area = 341329

Area Percent Report

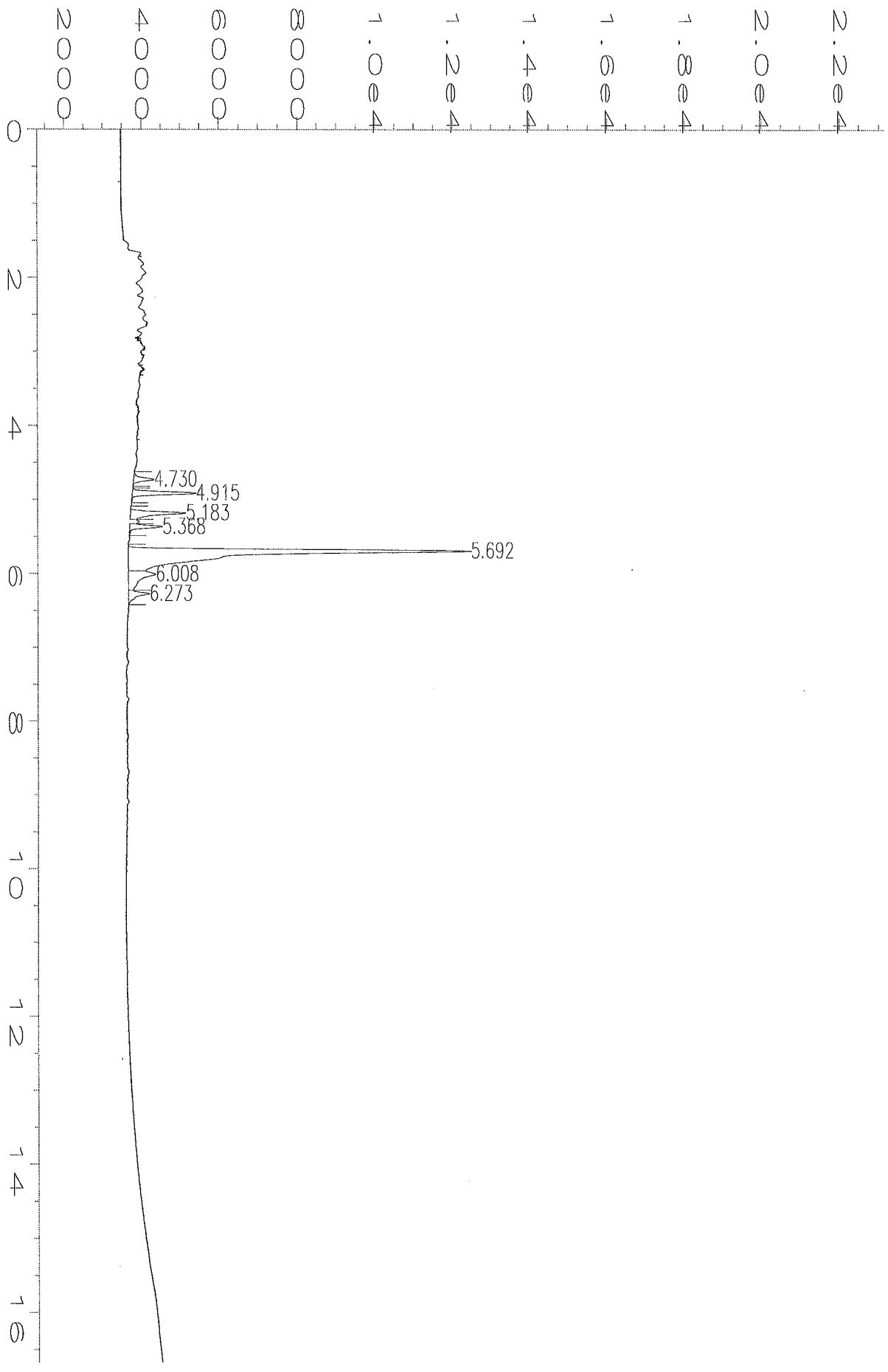
Data File Name : C:\HPCHEM\1\DATA\07316K\B07316C.D
Operator : UG/SW
Instrument : ANALYZER1
Sample Name : METHODBLANK
Run Time Bar Code:
Acquired on : 31 Jul 26 05:50 PM
Report Created on: 31 Jul 26 06:07 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\B07316C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.730	1751	529	BB	0.049	2.4602
2	4.915	4705	1666	BB	0.044	6.6099
3	5.183	5025	1438	BV	0.052	7.0587
4	5.368	2391	852	VB	0.042	3.3592
5	5.692	49520	8868	BV	0.077	69.5624
6	6.008	5494	711	VV	0.104	7.7169
7	6.273	2301	548	VB	0.060	3.2327

Total area = 71188


4.730
4.915
5.183
5.368
5.692
6.008
6.273
C:\HPCHEM\1\DATA\SEQ16K\B07316C.D

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\B07316B.D
Operator : UG/SW
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : HUMIDBLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Jul 26 05:16 PM
Instrument Method: GC1SHORT.MTH
Report Created on: 31 Jul 26 05:33 PM
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\B07316B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.828	73590	18050	BV	0.063	5.6613
2	4.944	2678	998	VV	0.041	0.2060
3	5.022	20671	7029	VV	0.046	1.5902
4	5.183	1419	568	PV	0.038	0.1092
5	5.265	65357	18147	VV	0.055	5.0280
6	5.395	3979	1315	VV	0.045	0.3061
7	5.462	7890	2577	VV	0.046	0.6070
8	5.727	1025245	131986	PV	0.118	78.8726
9	6.029	91055	9727	VV	0.124	7.0049
10	7.256	1803	378	VV	0.074	0.1387
11	7.487	2271	704	PB	0.050	0.1747
12	8.242	2602	850	BB	0.048	0.2002
13	13.580	1314	332	BB	0.061	0.1011

Total area = 1299874

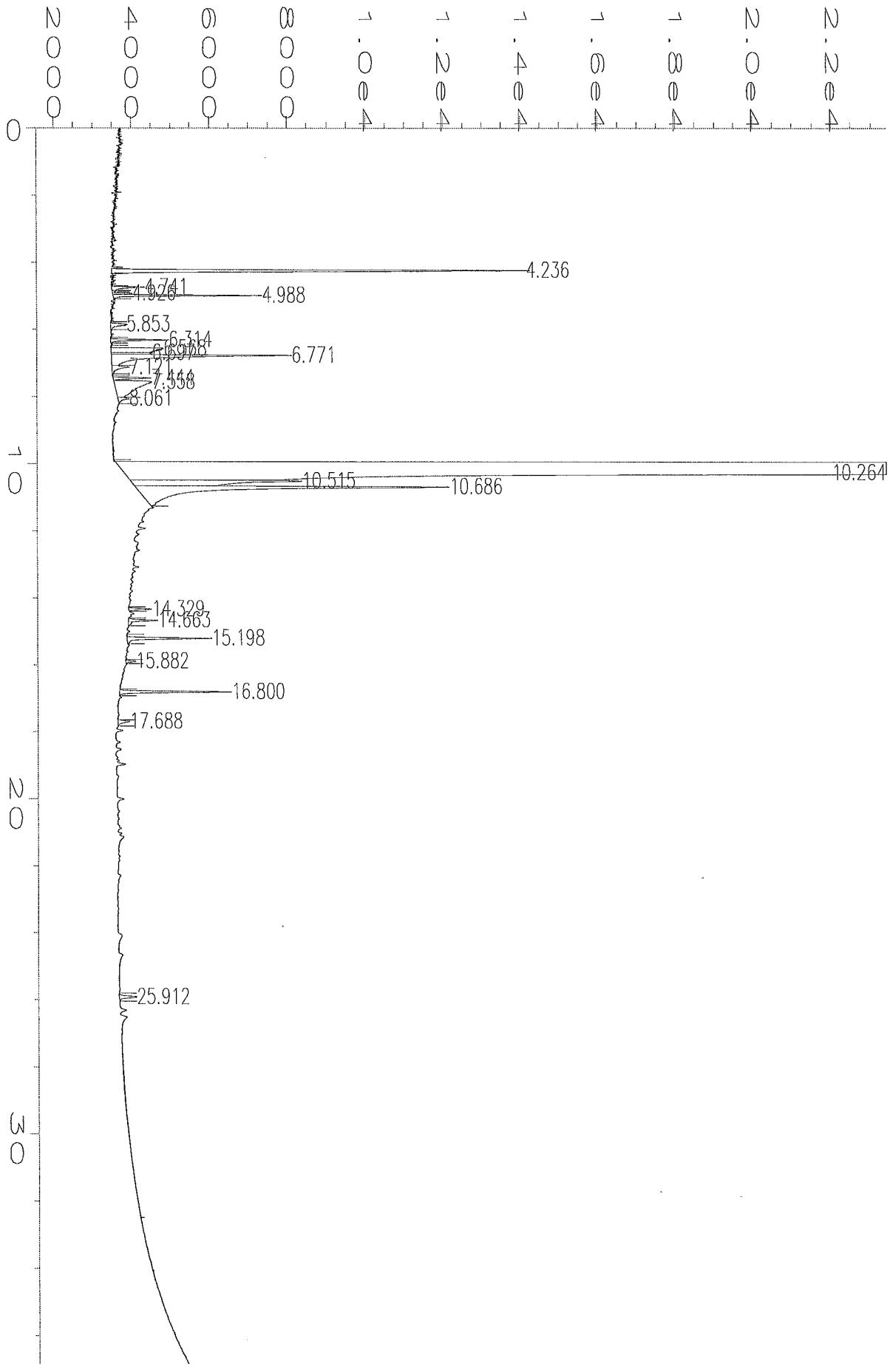
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\B07316A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : HUMIDBLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Jul 26 02:58 PM
Instrument Method: KTO3DHC.MTH
Report Created on: 31 Jul 26 03:35 PM
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\B07316A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.236	36947	10761	VV	0.047	2.7694
2	4.741	2673	851	PV	0.045	0.2004
3	4.926	1083	517	VV	0.033	0.0812
4	4.988	8505	3841	VV	0.034	0.6375
5	5.853	2140	448	BB	0.070	0.1604
6	6.314	3716	1491	BV	0.038	0.2785
7	6.568	10044	1336	BV	0.095	0.7529
8	6.697	2636	1045	VV	0.042	0.1976
9	6.771	23204	4646	VV	0.065	1.7393
10	7.121	2316	440	VB	0.068	0.1736
11	7.444	2570	974	BV	0.041	0.1927
12	7.558	16252	972	VV	0.207	1.2182
13	8.061	1373	289	VB	0.062	0.1029
14	10.264	1110161	63689	BV	0.215	83.2133
15	10.515	30848	4402	VV	0.092	2.3123
16	10.686	55587	8077	VV	0.090	4.1666
17	14.329	1786	591	BV	0.048	0.1339
18	14.663	2600	751	BB	0.052	0.1949
19	15.198	6760	2184	BB	0.048	0.5067
20	15.882	815	253	BV	0.046	0.0611
21	16.800	8911	2888	BV	0.049	0.6680
22	17.688	1322	283	BB	0.070	0.0991
23	25.912	1865	451	BB	0.064	0.1398

Total area = 1334115


4.236
4.741
4.988
5.853
6.314
6.771
7.138
8.061
10.264
10.515
10.686
14.329
14.663
15.198
15.882
16.800
17.688
25.912
C:\HPCHEM\1\DATA\16K\B07316A.D

Area Percent Report

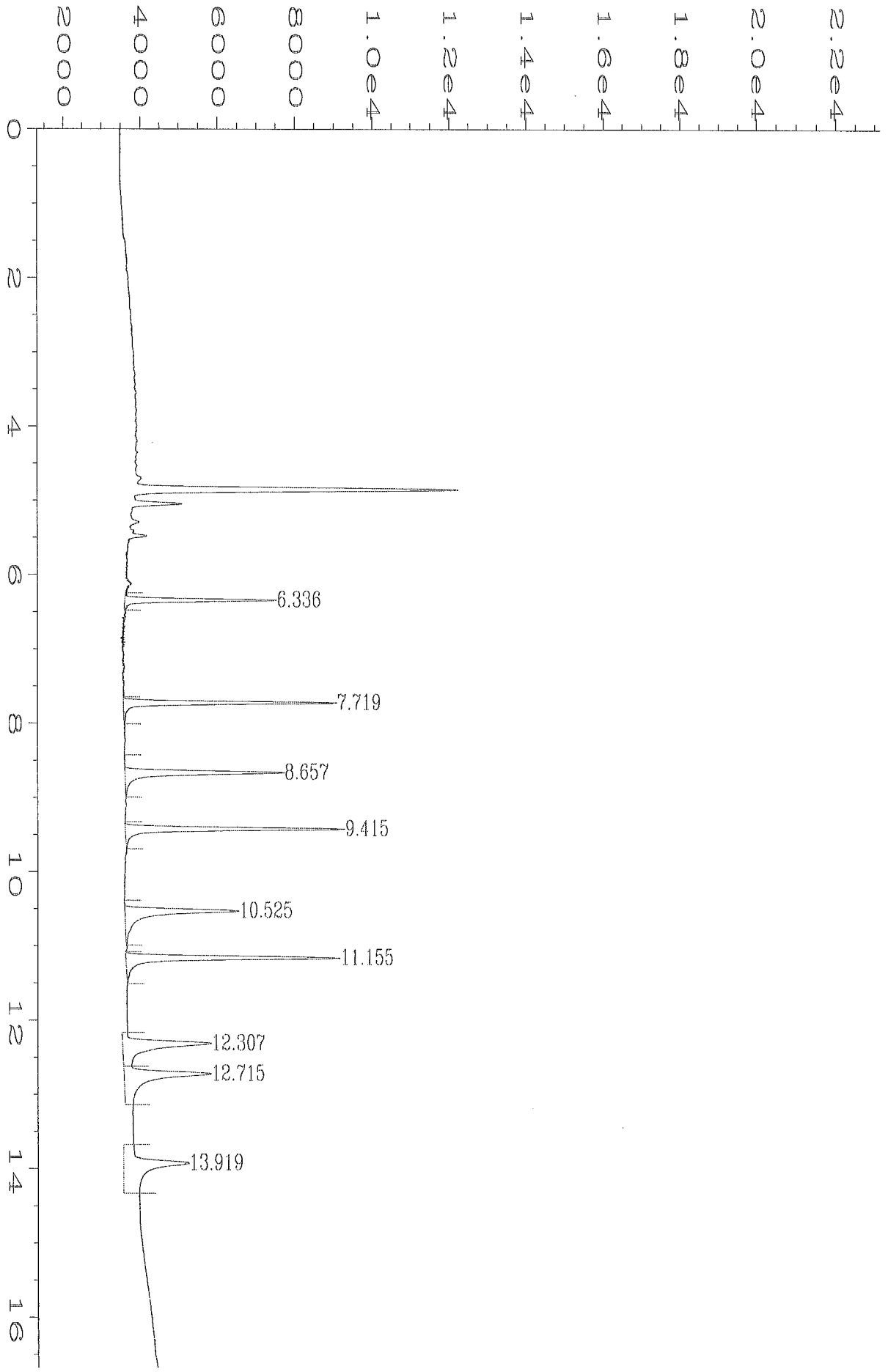
Data File Name : C:\GCCHEM\1\DATA\GCK\07316K\QC07316C.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST63479
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Jul 26 02:27 PM
Instrument Method: GC1SHORT.MTH
Report Created on: 27 Aug 26 02:40 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\07316K\QC07316C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	6.336	11346	3937	FV	0.044	6.9873
2	7.719	17209	5524	PB	0.048	10.5985
3	8.657	16871	4128	BB	0.061	10.3903
4	9.415	19297	5699	BB	0.052	11.8839
5	10.525	16350	2948	BV	0.081	10.0691
6	11.155	21241	5557	BB	0.056	13.0815
7	12.307	17838	2299	MF	0.129	10.9857
8	12.715	19497	2265	FM	0.143	12.0074
9	13.919	22727	1699	MM	0.223	13.9963

Total area = 162376

User Modified


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
6.336
7.719
8.657
9.415
10.525
11.155
12.307
12.715
13.919
User modified
c:\gcchem\1\data\gc07316k\gc07316c.d

Area Percent Report

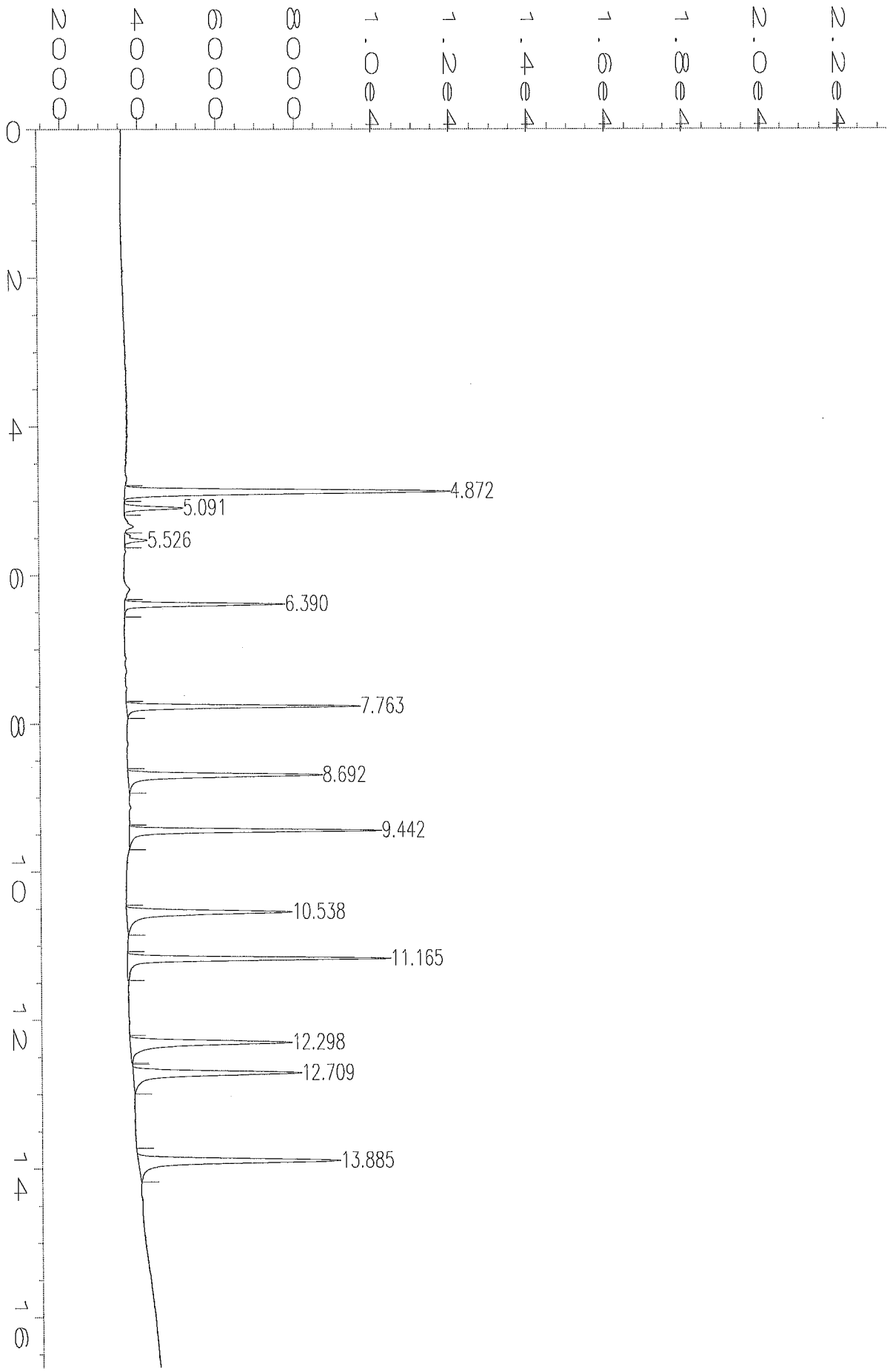
Data File Name : C:\HPCHEM\1\DATA\07316K\QC07316B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 31 Jul 26 01:57 PM
Report Created on: 31 Jul 26 02:14 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\QC07316B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.872	34064	8389	BV	0.062	15.7023
2	5.091	4477	1515	PB	0.046	2.0638
3	5.526	2107	591	VB	0.052	0.9714
4	6.390	11593	4111	BB	0.044	5.3440
5	7.763	17876	6007	BB	0.046	8.2404
6	8.692	19048	5006	BB	0.058	8.7807
7	9.442	20947	6486	BB	0.050	9.6559
8	10.538	18855	4249	BB	0.067	8.6917
9	11.165	23852	6762	BV	0.054	10.9951
10	12.298	19656	4159	BB	0.071	9.0609
11	12.709	20213	4328	BB	0.071	9.3174
12	13.885	24246	5208	BB	0.069	11.1765

Total area = 216936


4.872
5.091
5.526
6.390
7.763
8.692
9.442
10.538
11.165
12.298
12.709
13.885
C:\HPCHEM\1\DATA\0731616K\QC0731616B.D

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\QC07316A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 31 Jul 26 01:21 PM
Report Created on: 31 Jul 26 01:37 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\QC07316A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.824	34645	7878	BV	0.065	10.2686
2	5.066	5092	1735	PV	0.046	1.5093
3	5.315	3084	453	VV	0.089	0.9141
4	5.503	2171	708	VV	0.046	0.6434
5	6.375	12553	4516	BB	0.043	3.7206
6	7.756	21437	7311	BB	0.045	6.3539
7	8.686	24884	6705	BB	0.057	7.3756
8	9.441	24970	8012	BB	0.048	7.4010
9	10.536	29849	7203	BB	0.062	8.8472
10	11.169	33867	10157	BB	0.052	10.0382
11	12.298	40544	9448	BV	0.066	12.0170
12	12.710	45161	10347	PB	0.066	13.3857
13	13.891	59128	13740	BB	0.067	17.5255

Total area = 337386

4.824
5.066
5.315
5.503
6.375
7.756
8.686
9.441
10.536
11.169
12.298
12.710
13.891

Area Percent Report

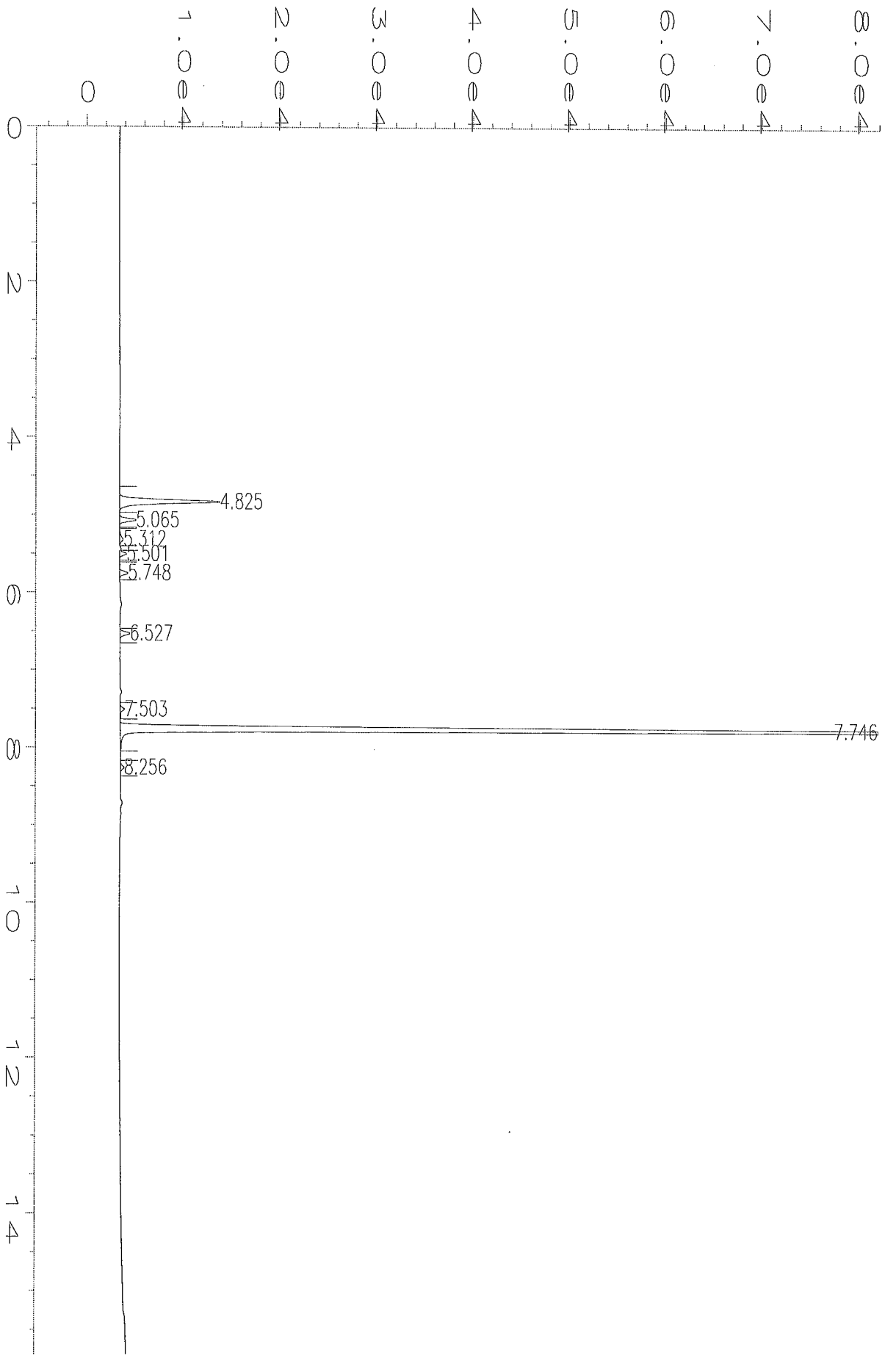
Data File Name : C:\HPCHEM\1\DATA\07316K\C07316C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 31 Jul 26 12:39 PM
Report Created on: 31 Jul 26 12:55 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\C07316C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.825	37298	10374	BV	0.055	9.3894
2	5.065	4956	1706	PB	0.045	1.2476
3	5.312	1699	368	BV	0.064	0.4277
4	5.501	2046	719	VB	0.044	0.5149
5	5.748	2648	866	BB	0.048	0.6666
6	6.527	3304	1014	BB	0.051	0.8317
7	7.503	1356	434	BB	0.047	0.3412
8	7.746	342823	119316	BB	0.045	86.3014
9	8.256	1110	340	BB	0.051	0.2795

Total area = 397239


0
1.000
2.000
3.000
4.000
5.000
6.000
7.000
8.000
0
2
4
6
8
10
12
14
4.825
5.065
5.312
5.501
5.748
6.527
7.503
7.746
8.256
C:\HPCHEM\1\DATA\6K\C07316C.D

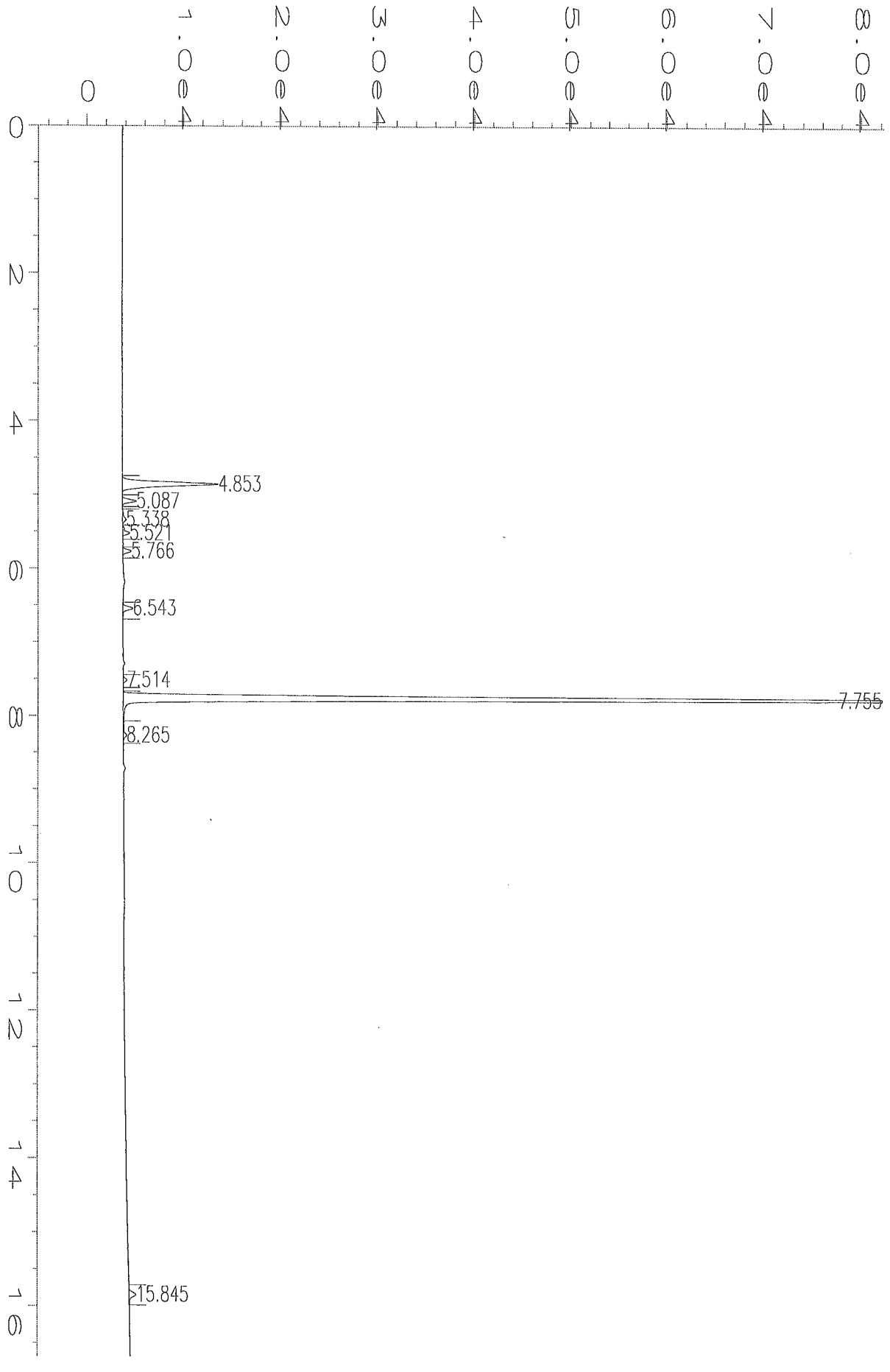
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\C07316B.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Jul 26 11:58 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 31 Jul 26 12:15 PM
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\C07316B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.853	39654	9885	BV	0.060	9.8390
2	5.087	4260	1444	PB	0.046	1.0570
3	5.338	1697	351	BV	0.070	0.4212
4	5.521	2507	721	VB	0.051	0.6222
5	5.766	2615	858	BB	0.048	0.6488
6	6.543	3373	1025	BB	0.051	0.8370
7	7.514	1336	399	BB	0.053	0.3314
8	7.755	342840	102469	BV	0.053	85.0654
9	8.265	1573	349	VB	0.062	0.3904
10	15.845	3175	696	BB	0.069	0.7877

Total area = 403031


4.853
5.087
5.338
5.521
5.766
6.543
7.514
7.755
8.265
15.845
C:\HPCHEM\1\DATA\6K\CO7316B.D

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\C07316B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 31 Jul 26 11:23 AM
Report Created on: 31 Jul 26 11:31 AM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\C07316B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.841	38499	9603	BV	0.062	70.4223
2	5.086	5155	1767	PB	0.045	9.4295
3	5.341	1980	395	BV	0.073	3.6214
4	5.524	2197	762	VB	0.044	4.0192
5	5.771	2417	822	BV	0.047	4.4218
6	6.552	3265	999	BB	0.051	5.9714
7	7.532	1156	409	BBA	0.040	2.1144

Total area = 54669

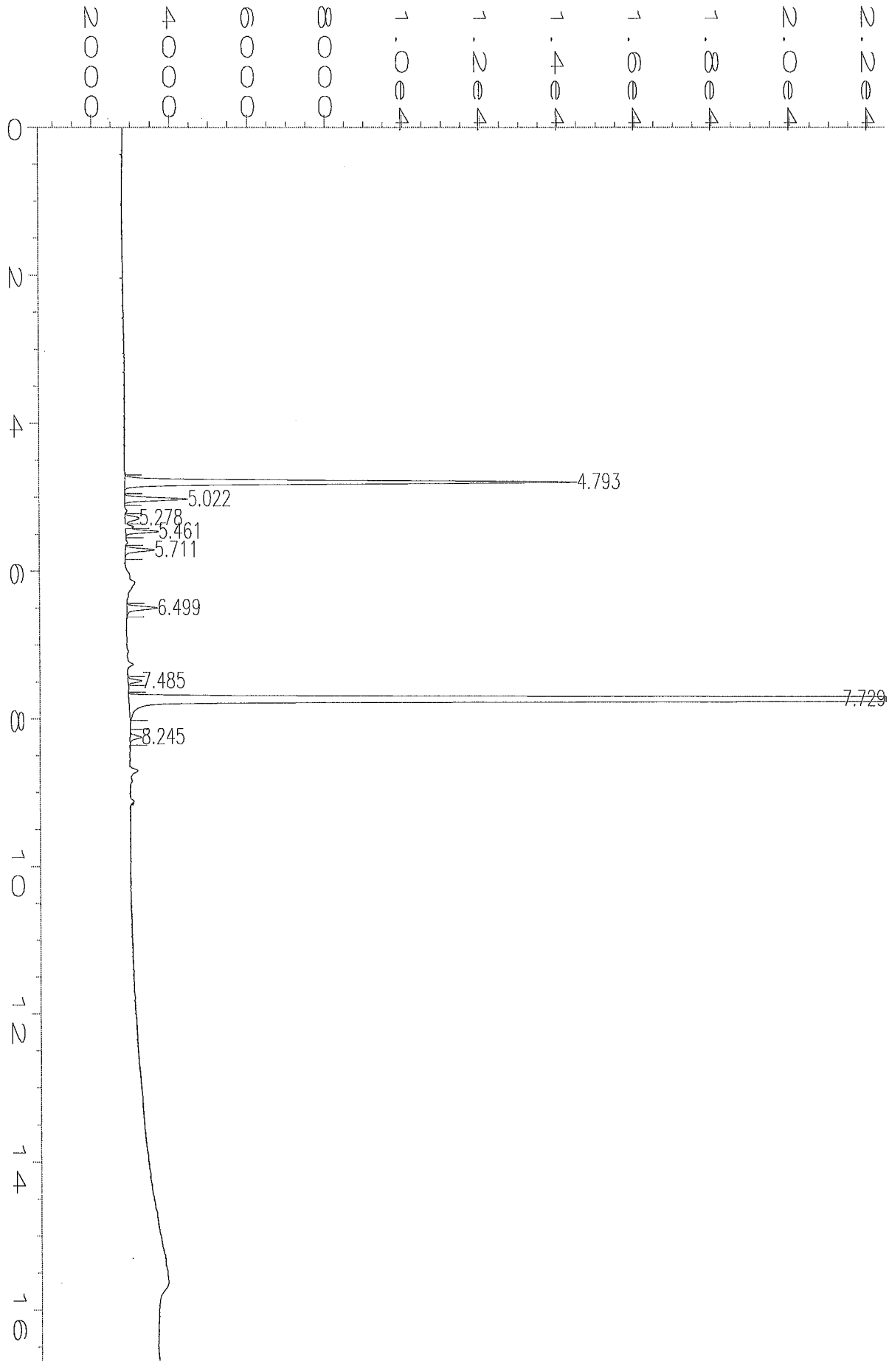
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\07316K\C07316B.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Jul 26 10:41 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 31 Jul 26 10:58 AM
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\C07316B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.793	37797	11669	BB	0.050	11.3232
2	5.022	4698	1619	BB	0.046	1.4074
3	5.278	1445	352	VV	0.066	0.4329
4	5.461	2291	829	VB	0.042	0.6864
5	5.711	2273	736	BB	0.048	0.6809
6	6.499	2550	778	BB	0.051	0.7638
7	7.485	994	349	BB	0.045	0.2978
8	7.729	280789	97549	BB	0.045	84.1181
9	8.245	966	286	BB	0.049	0.2894

Total area = 333804


4.793
5.022
5.278
5.461
5.711
6.499
7.485
7.729
8.245
C:\HPCHEM\1\DATA\16K\CO7316B.D

Area Percent Report

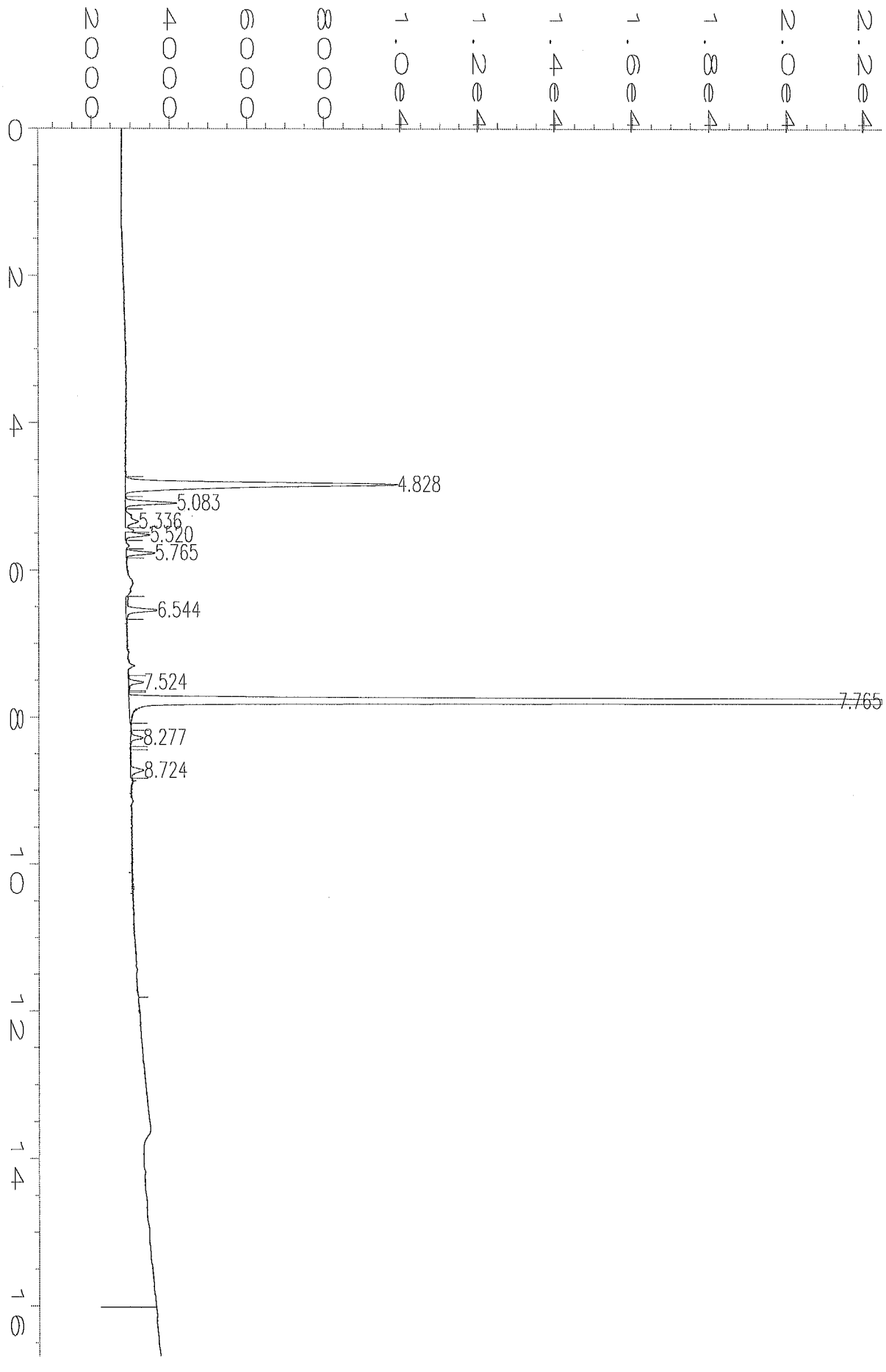
Data File Name : C:\HPCHEM\1\DATA\07316K\C07316A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 31 Jul 26 09:58 AM
Report Created on: 31 Jul 26 10:15 AM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\07316K\C07316A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.828	32227	7054	BV	0.067	9.4199
2	5.083	3926	1318	PV	0.046	1.1476
3	5.336	2085	334	VV	0.082	0.6094
4	5.520	1823	628	VB	0.043	0.5329
5	5.765	2136	738	PV	0.046	0.6243
6	6.544	3093	796	VV	0.058	0.9040
7	7.524	1199	384	BB	0.046	0.3506
8	7.765	293291	100162	BB	0.046	85.7289
9	8.277	1061	319	BB	0.044	0.3102
10	8.724	1273	341	BV	0.048	0.3721

Total area = 342114


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
4.828
5.083
5.336
5.520
5.765
6.544
7.524
7.765
8.277
8.724
C:\HPCHEM\1\DATA\6K\C07316A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080526-GCK
Date: 08/05/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	100		100		70	130	0	25	
110-54-3	n-Hexane	107		106		70	130	1	25	
71-43-2	Benzene	98		95		70	130	3	25	
142-82-5	n-Heptane	116		116		70	130	0	25	
108-88-3	Toluene	118		117		70	130	1	25	
111-65-9	n-Octane	119		113		70	130	5	25	
108-38-3	m,p-xylene	113		120		70	130	7	25	
95-47-6	o-xylene	116		129		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	111		123		70	130	12	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Area Percent Report

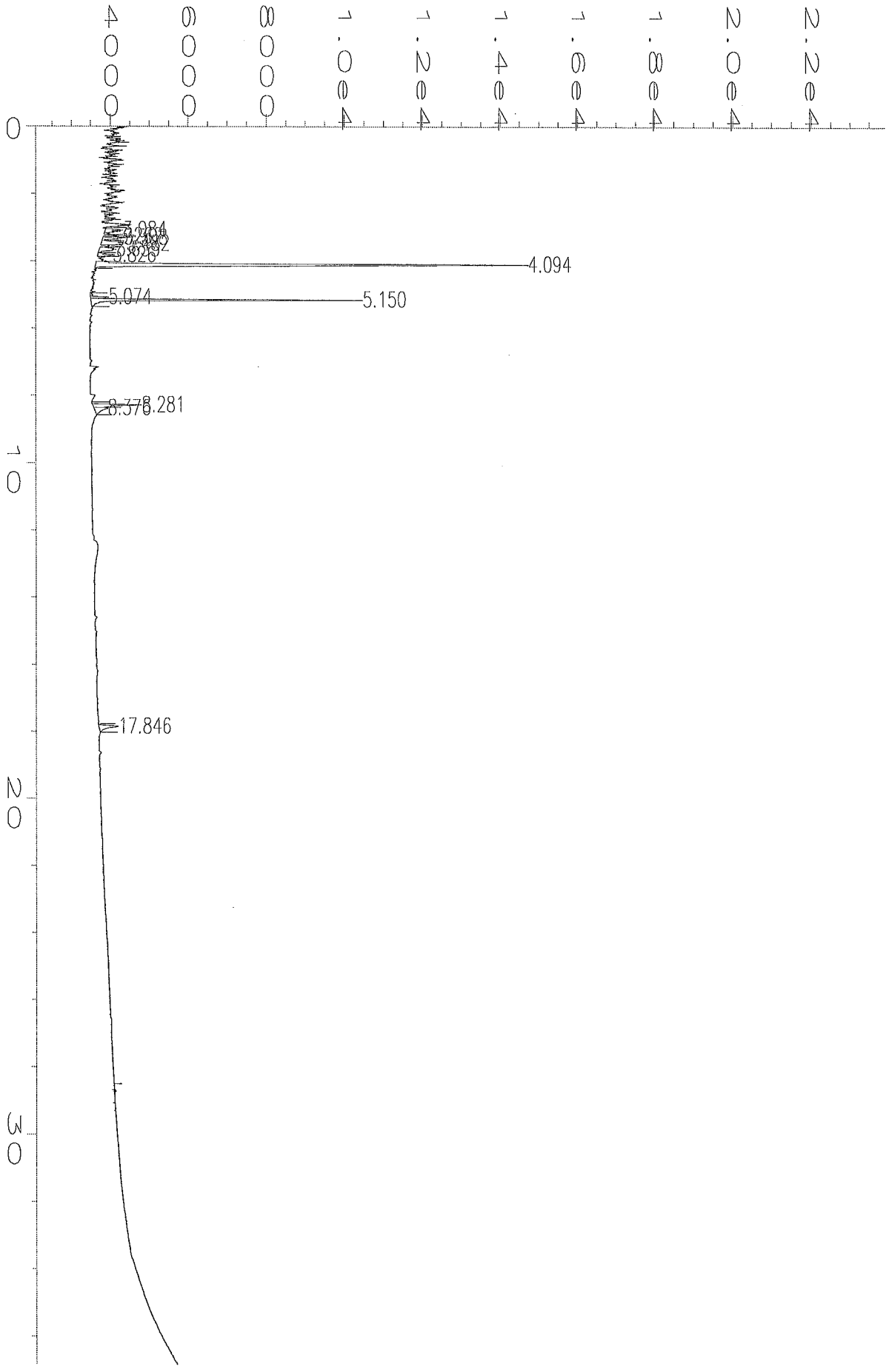
Data File Name : C:\HPCHEM\1\DATA\08056K\B08056B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 05 Aug 26 12:56 PM
Report Created on: 05 Aug 26 01:32 PM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08056K\B08056B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.084	2094	480	BV	0.060	2.7225
2	3.262	828	387	VV	0.036	1.0767
3	3.308	1768	632	VV	0.039	2.2987
4	3.482	3435	678	VV	0.079	4.4660
5	3.653	2265	436	VV	0.081	2.9446
6	3.826	1514	436	PV	0.049	1.9686
7	4.094	38819	11126	VV	0.051	50.4689
8	5.074	1311	450	PV	0.041	1.7048
9	5.150	16406	6990	VB	0.035	21.3302
10	8.281	3929	1251	BV	0.046	5.1076
11	8.376	2036	341	VB	0.077	2.6469
12	17.846	2511	488	BB	0.071	3.2644

Total area = 76916



C:\HPCHEM\1\DATA\...\B08056B.D

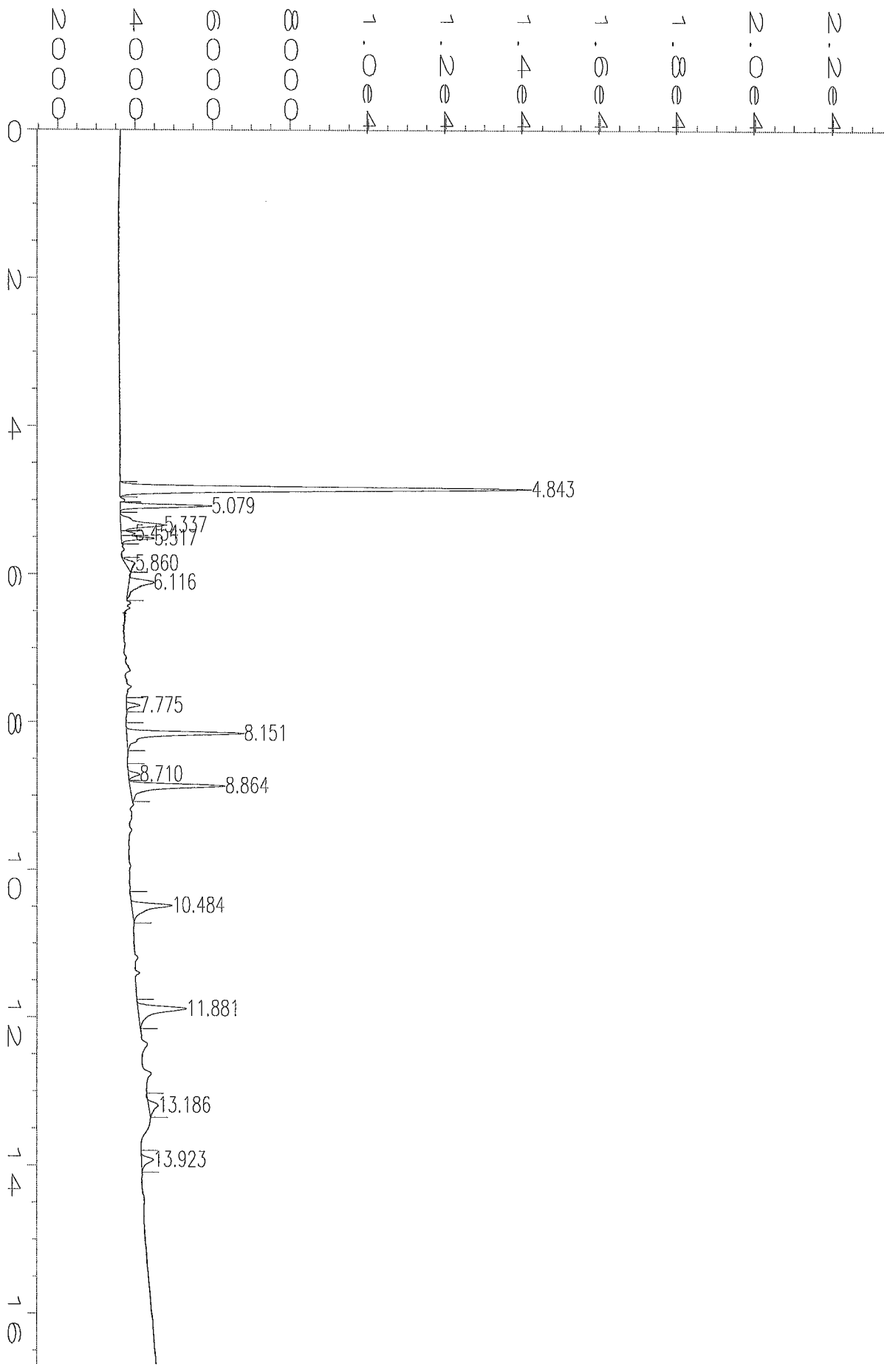
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08056K\B08056A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : HUMID BLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 05 Aug 26 10:30 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 05 Aug 26 10:47 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08056K\B08056A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.843	41589	10625	BV	0.059	39.6437
2	5.079	6813	2378	VV	0.044	6.4943
3	5.337	5966	1112	PV	0.078	5.6866
4	5.454	1050	363	VV	0.039	1.0007
5	5.517	2503	842	VV	0.046	2.3855
6	5.860	1519	258	BB	0.078	1.4479
7	6.116	4190	624	BV	0.087	3.9939
8	7.775	1062	344	BB	0.045	1.0121
9	8.151	11776	3039	BB	0.057	11.2247
10	8.710	1064	287	BV	0.055	1.0146
11	8.864	10576	2468	PV	0.065	10.0816
12	10.484	5806	1043	BB	0.078	5.5340
13	11.881	7634	1254	BB	0.085	7.2764
14	13.186	1592	249	BB	0.084	1.5175
15	13.923	1769	311	BB	0.073	1.6865

Total area = 104908


4.843
5.079
5.337
5.517
5.860
6.116
7.775
8.151
8.710
8.864
10.484
11.881
13.186
13.923
C:\HPCHEM\1\DATA\16K\B080056A.D

Area Percent Report

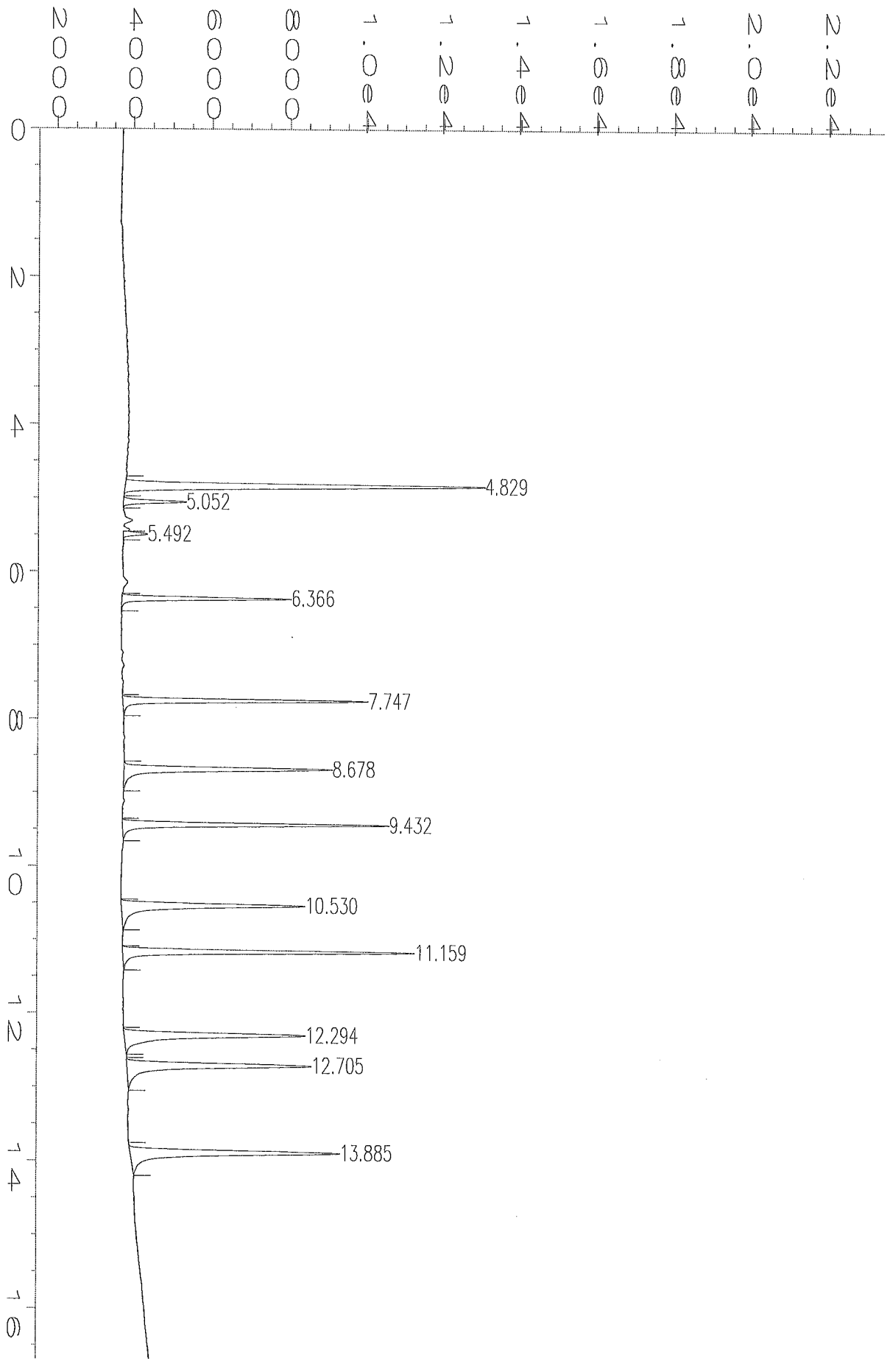
Data File Name : C:\HPCHEM\1\DATA\08056K\QC08056C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 05 Aug 26 09:45 AM
Report Created on: 05 Aug 26 10:02 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08056K\QC08056C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.829	36900	9325	BV	0.062	15.5368
2	5.052	4708	1615	PV	0.045	1.9821
3	5.492	1797	635	VB	0.045	0.7565
4	6.366	12157	4362	BB	0.043	5.1189
5	7.747	18957	6334	BB	0.046	7.9818
6	8.678	20821	5365	BB	0.059	8.7668
7	9.432	22191	6884	BB	0.049	9.3435
8	10.530	21589	4730	BB	0.069	9.0900
9	11.159	26338	7560	BB	0.054	11.0895
10	12.294	22679	4661	BB	0.073	9.5489
11	12.705	23267	4750	BB	0.073	9.7966
12	13.885	26098	5397	BB	0.072	10.9885

Total area = 237500


4.829
5.052
5.492
6.366
7.747
8.678
9.432
10.530
11.159
12.294
12.705
13.885
C:\HPCHEM\1\DATA\DSC06K\QCC08056C.D

Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCK\08056K\QC08056B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 05 Aug 26 09:10 AM
Report Created on: 24 Aug 26 04:31 PM

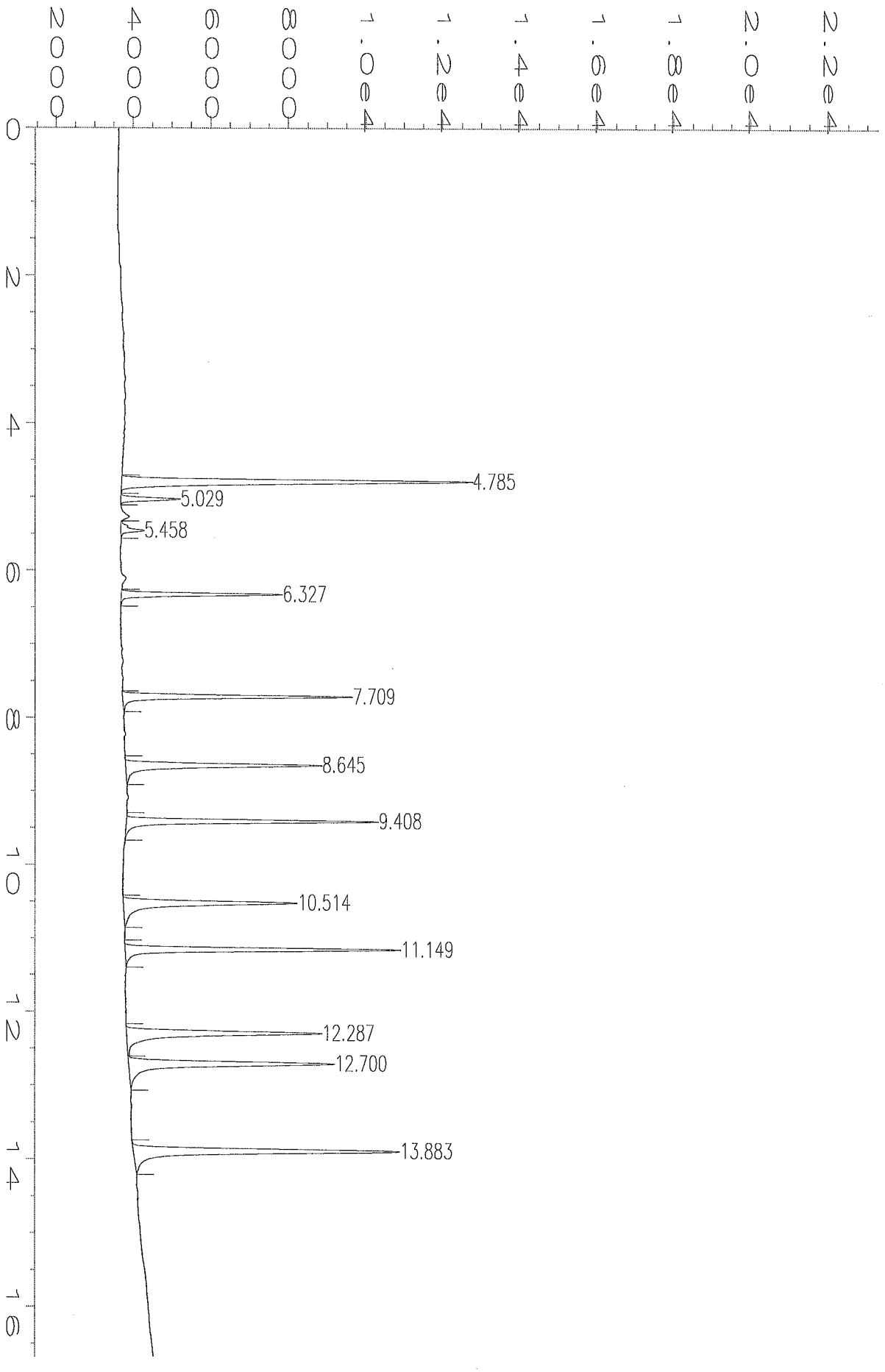
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08056K\QC08056B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.785	36547	9101	BV	0.061	14.9835
2	5.029	4447	1540	PV	0.045	1.8234
3	5.268	1131	217	PV	0.073	0.4638
4	5.458	2367	602	VV	0.058	0.9706
5	6.108	898	133	BV	0.086	0.3682
6	6.327	12206	4195	VB	0.045	5.0044
7	7.709	18820	5930	BV	0.049	7.7158
8	8.645	20229	5086	BV	0.059	8.2935
9	9.408	22166	6547	BB	0.052	9.0878
10	10.514	21329	4511	PB	0.071	8.7447
11	11.149	25159	7167	BB	0.054	10.3147
12	12.287	24005	5042	BV	0.069	9.8418
13	12.700	25690	5327	PB	0.071	10.5324
14	13.883	28917	6892	MM	0.070	11.8555

Total area = 243912

User Modified



C:\HPCHEM\1\DATA\[illegible]\Q[illegible]

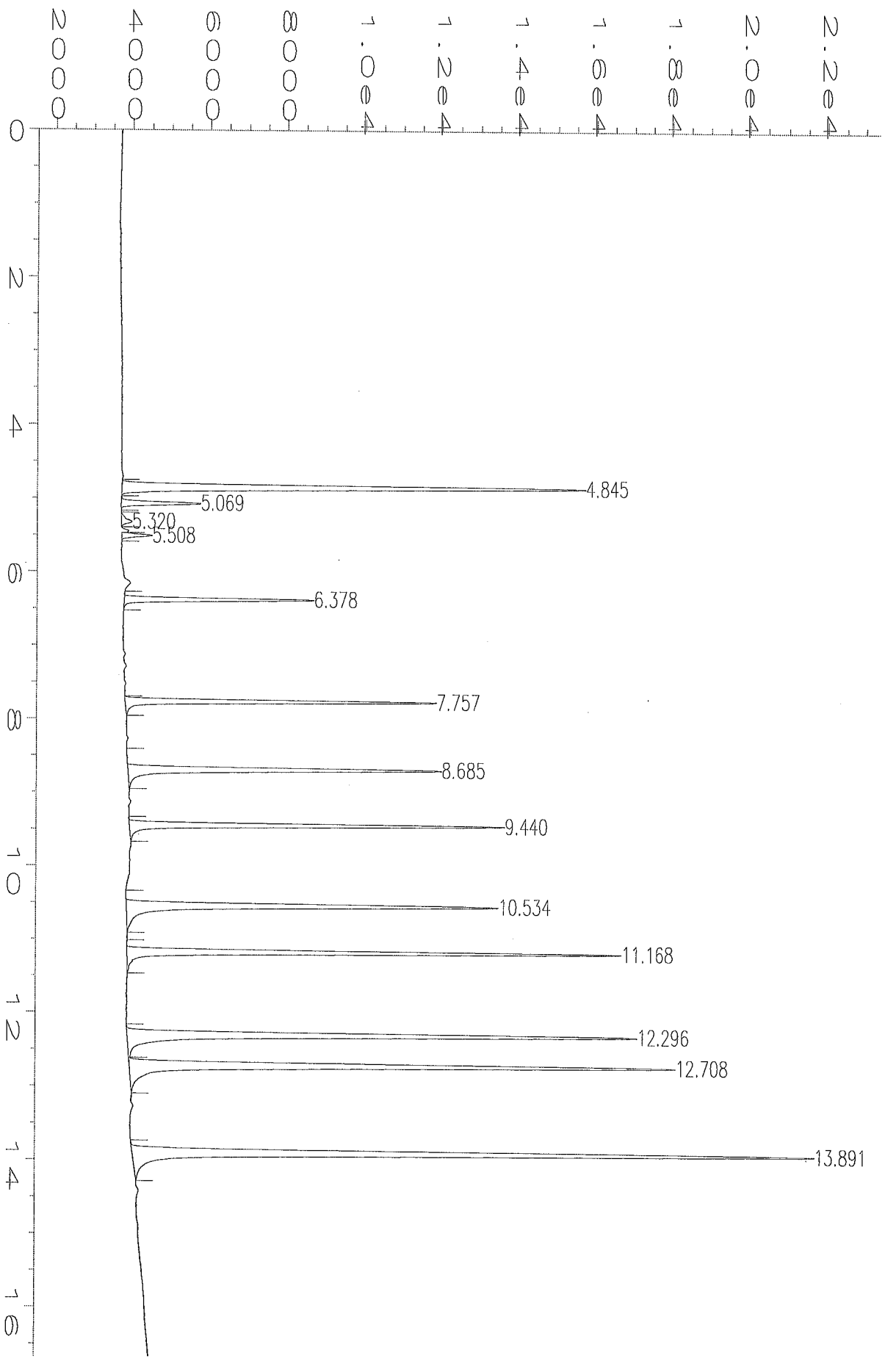
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08056K\QC08056A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST63479
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 05 Aug 26 08:35 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 05 Aug 26 08:51 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08056K\QC08056A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.845	46337	12051	BV	0.059	10.6305
2	5.069	6004	2062	PB	0.046	1.3775
3	5.320	1239	273	BV	0.065	0.2842
4	5.508	2181	785	VB	0.043	0.5004
5	6.378	13609	4927	BB	0.043	3.1221
6	7.757	23941	8090	BB	0.046	5.4924
7	8.685	30182	8164	BB	0.056	6.9242
8	9.440	30599	9735	BB	0.049	7.0200
9	10.534	40394	9645	BB	0.064	9.2672
10	11.168	43427	12850	BB	0.052	9.9629
11	12.296	56764	13267	BV	0.065	13.0226
12	12.708	62706	14248	VB	0.067	14.3859
13	13.891	78503	17757	BB	0.068	18.0101

Total area = 435887


4.845
5.069
5.320
5.508
6.378
7.757
8.685
9.440
10.534
11.168
12.296
12.708
13.891
C:\HPCHEM\1\DATA\96K\QCO80056A.D

Area Percent Report

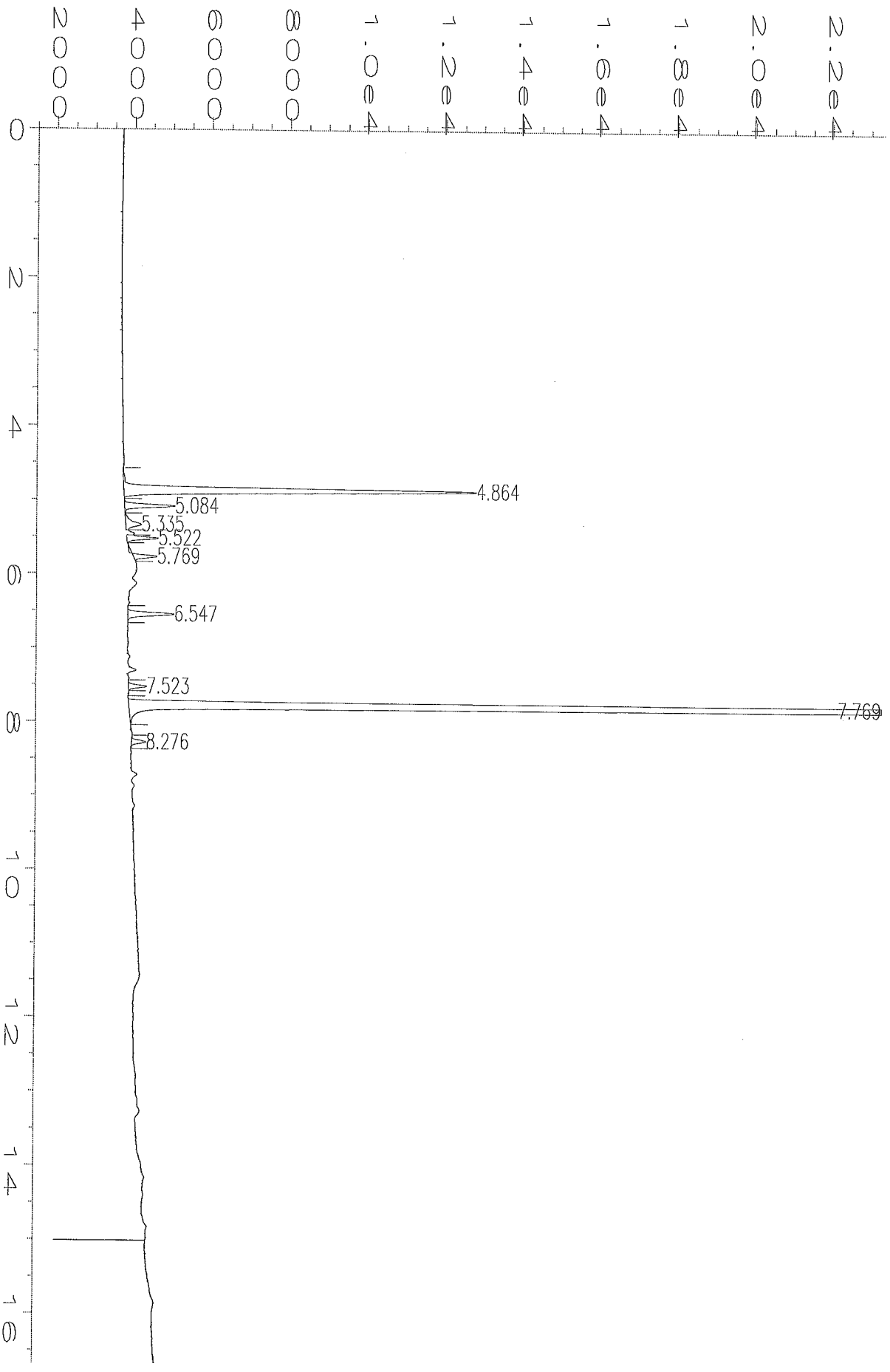
Data File Name : C:\HPCHEM\1\DATA\08056K\C08056A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 05 Aug 26 07:53 AM
Report Created on: 05 Aug 26 08:10 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08056K\C08056A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.864	37983	9088	BV	0.064	9.0419
2	5.084	3910	1311	PV	0.046	0.9307
3	5.335	2041	403	PV	0.072	0.4858
4	5.522	2368	824	VV	0.044	0.5636
5	5.769	1445	612	PB	0.039	0.3439
6	6.547	3858	1205	BB	0.050	0.9183
7	7.523	1307	467	BB	0.043	0.3112
8	7.769	366079	130058	BB	0.044	87.1443
9	8.276	1093	373	BB	0.047	0.2603

Total area = 420084


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
4.864
5.084
5.335
5.522
5.769
6.547
7.523
7.769
8.276
C:\HPCHEM\1\DATA\CB0606K\C080056A.D

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08056C**	**QC08056B**	**C08056A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08056C**	**QC08056B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/05/2026**		
QCBatch:	**080526-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**366079**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C **LCS Area**	B **LCD Area**
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**12157**	**12206**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**18957**	**18820**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**20821**	**20229**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**22191**	**22166**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**21589**	**21329**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**26338**	**25159**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**22679**	**24005**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**23267**	**25690**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**26098**	**28917**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	70	14.0	42.6
n-Hexane	86.2	6	109	18.2	66.2
Benzene	78.1	6	120	20.0	65.9
n-Heptane	100.2	7	128	18.3	77.2
Toluene	92.1	7	124	17.8	69.1
n-Octane	114.2	8	152	19.0	91.4
m,p-xylene	106.2	8	131	16.3	73.2
o-xylene	106.2	8	134	16.7	75.1
1,3,5-Trimethylbenzene	120.2	9	150	16.7	84.8

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	70	14.1
n-Hexane	86.2	6	108	18.1
Benzene	78.1	6	116	19.4
n-Heptane	100.2	7	128	18.2
Toluene	92.1	7	123	17.5
n-Octane	114.2	8	145	18.1
m,p-xylene	106.2	8	138	17.3
o-xylene	106.2	8	148	18.5
1,3,5-Trimethylbenzene	120.2	9	167	18.5

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080326-GCK
Date: 08/03/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	93		97		70	130	4	25	
110-54-3	n-Hexane	104		107		70	130	3	25	
71-43-2	Benzene	89		87		70	130	1	25	
142-82-5	n-Heptane	117		113		70	130	5	25	
108-88-3	Toluene	119		106		70	130	13	25	
111-65-9	n-Octane	118		108		70	130	9	25	
108-38-3	m,p-xylene	107		101		70	130	6	25	
95-47-6	o-xylene	110		98		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	95		84		70	130	11	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08036C**	**QC08036B**	**C08036A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08036C**	**QC08036B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/03/2026**		
QCBatch:	**080326-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**357150**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C **LCS Area**	B **LCD Area**
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**11475**	**11998**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**18165**	**18760**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**19347**	**19056**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**21432**	**20576**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**20560**	**18302**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**24700**	**22717**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**20188**	**18974**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**20422**	**18161**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**20890**	**18493**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	66	13.2	40.2
n-Hexane	86.2	6	105	17.4	63.5
Benzene	78.1	6	111	18.6	61.2
n-Heptane	100.2	7	123	17.6	74.6
Toluene	92.1	7	118	16.9	65.8
n-Octane	114.2	8	142	17.8	85.7
m,p-xylene	106.2	8	116	14.5	65.2
o-xylene	106.2	8	118	14.7	65.9
1,3,5-Trimethylbenzene	120.2	9	120	13.4	67.8

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	69	13.8
n-Hexane	86.2	6	108	18.0
Benzene	78.1	6	110	18.3
n-Heptane	100.2	7	118	16.9
Toluene	92.1	7	105	15.1
n-Octane	114.2	8	131	16.4
m,p-xylene	106.2	8	109	13.7
o-xylene	106.2	8	105	13.1
1,3,5-Trimethylbenzene	120.2	9	106	11.8

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08036K\B08036C.D
Operator : SW
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 03 Aug 26 07:39 PM
Report Created on: 03 Aug 26 08:16 PM
Sample Info :

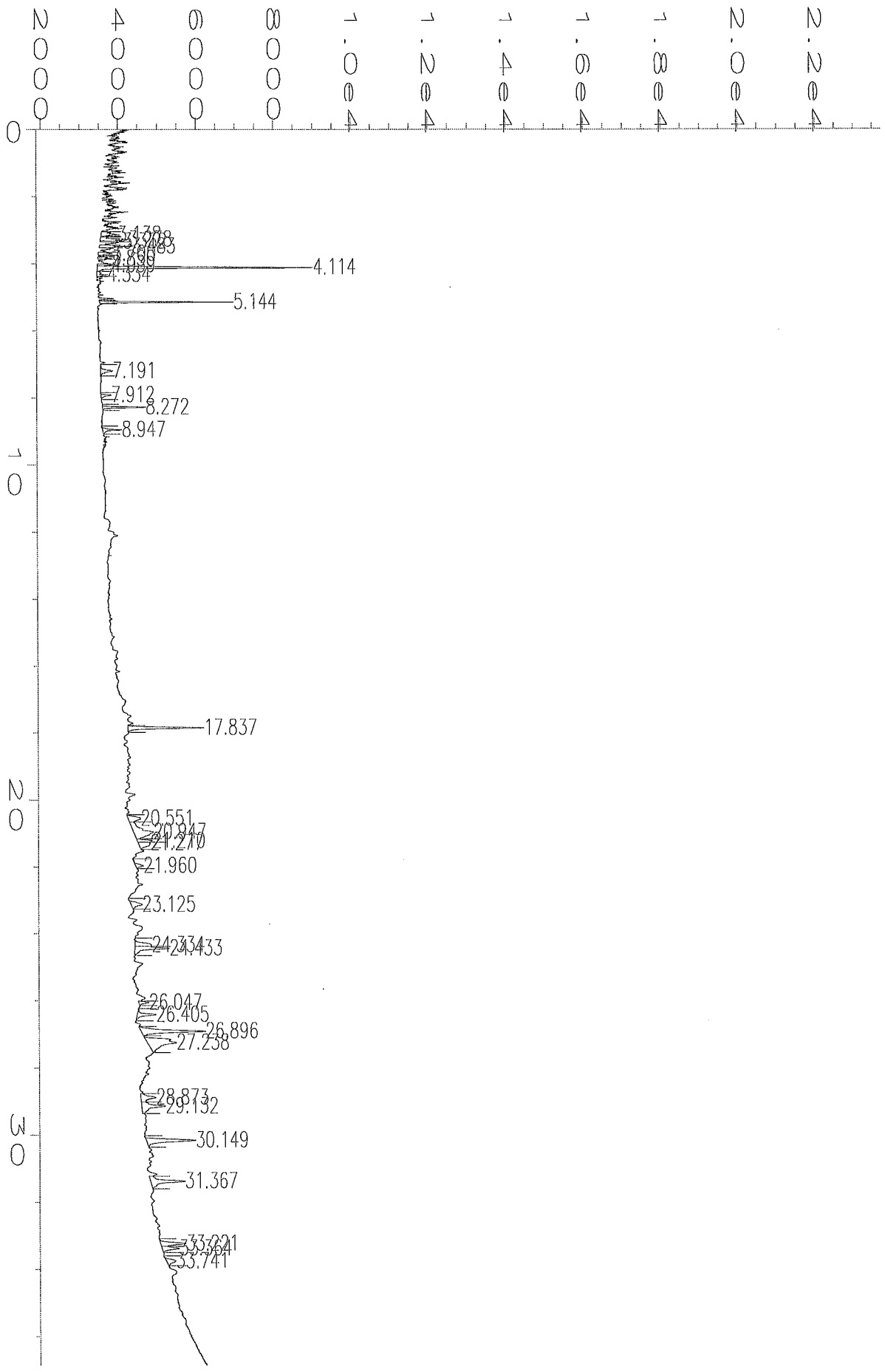
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08036K\B08036C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.138	1946	465	BV	0.056	1.6181
2	3.278	2726	739	VV	0.059	2.2670
3	3.332	897	641	VV	0.023	0.7457
4	3.483	2098	865	VV	0.035	1.7443
5	3.700	1183	376	VV	0.053	0.9834
6	3.850	938	376	PV	0.042	0.7798
7	4.039	911	401	VV	0.032	0.7573
8	4.114	15184	5580	VV	0.043	12.6264
9	4.334	910	279	VV	0.043	0.7570
10	5.144	6464	3470	PV	0.029	5.3753
11	7.191	1647	325	BB	0.073	1.3694
12	7.912	903	285	BB	0.047	0.7506
13	8.272	2656	1130	BB	0.037	2.2089
14	8.947	1491	514	BB	0.041	1.2397
15	17.837	6657	1955	PB	0.054	5.5354
16	20.551	2575	310	BV	0.104	2.1411
17	20.947	7257	494	VV	0.180	6.0349
18	21.210	1598	374	VV	0.065	1.3285
19	21.277	2448	301	VB	0.136	2.0354
20	21.960	1039	196	BV	0.075	0.8643
21	23.125	1976	271	BB	0.095	1.6435
22	24.334	2530	422	BV	0.080	2.1037
23	24.433	4786	877	VB	0.077	3.9800
24	26.047	937	248	VB	0.053	0.7790
25	26.405	2229	473	BB	0.067	1.8534
26	26.896	8962	1652	BV	0.077	7.4526
27	27.238	9641	750	PB	0.157	8.0173
28	28.873	2863	381	VV	0.094	2.3811
29	29.132	4613	601	VV	0.100	3.8362
30	30.149	7000	1267	BB	0.083	5.8210
31	31.367	5734	887	VB	0.091	4.7683
32	33.221	3443	646	BV	0.081	2.8631
33	33.364	2327	436	VB	0.076	1.9350
34	33.741	1688	239	BB	0.111	1.4033

Total area = 120258

==========


4.114
5.144
7.191
7.912
8.272
8.947
17.837
20.551
21.960
23.125
24.433
26.047
26.405
26.896
27.238
29.132
30.149
31.367
33.741

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08036K\B08036B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 03 Aug 26 11:31 AM
Report Created on: 03 Aug 26 12:07 PM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08036K\B08036B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.119	1377	768	PV	0.030	2.5150
2	3.151	1062	742	VV	0.022	1.9408
3	3.308	2827	582	VV	0.060	5.1642
4	3.545	1422	434	VV	0.050	2.5981
5	3.692	1645	596	VV	0.046	3.0056
6	3.833	856	356	VV	0.032	1.5634
7	4.181	39659	20616	PV	0.030	72.4503
8	5.202	4196	1362	BV	0.043	7.6652
9	7.224	800	476	BV	0.026	1.4618
10	9.680	895	280	VB	0.044	1.6357

Total area = 54740

Area Percent Report

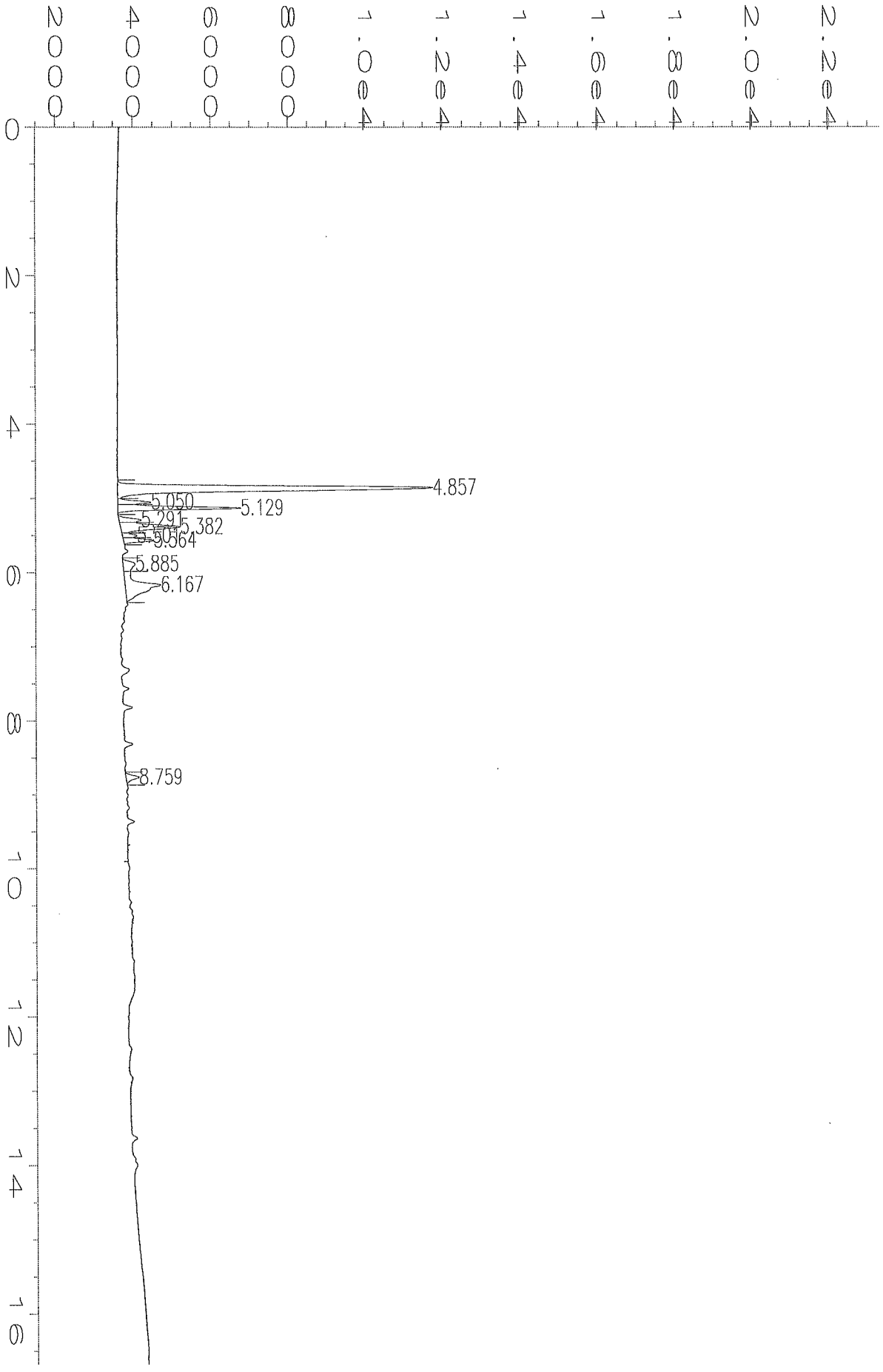
Data File Name : C:\HPCHEM\1\DATA\08036K\B08036A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 03 Aug 26 11:00 AM
Report Created on: 03 Aug 26 11:16 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08036K\B08036A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.857	37204	8129	BV	0.074	50.8675
2	5.050	2396	836	VV	0.044	3.2756
3	5.129	9422	3167	VV	0.046	12.8818
4	5.291	1822	551	PV	0.050	2.4908
5	5.382	6960	1522	VV	0.070	9.5159
6	5.501	1068	365	VV	0.044	1.4608
7	5.564	2199	754	VB	0.045	3.0063
8	5.885	2066	309	BV	0.093	2.8253
9	6.167	8660	893	VV	0.125	11.8405
10	8.759	1342	330	BV	0.060	1.8355

Total area = 73139



C:\HPCHEM\1\DATA\080236K\B080236A.D

Area Percent Report

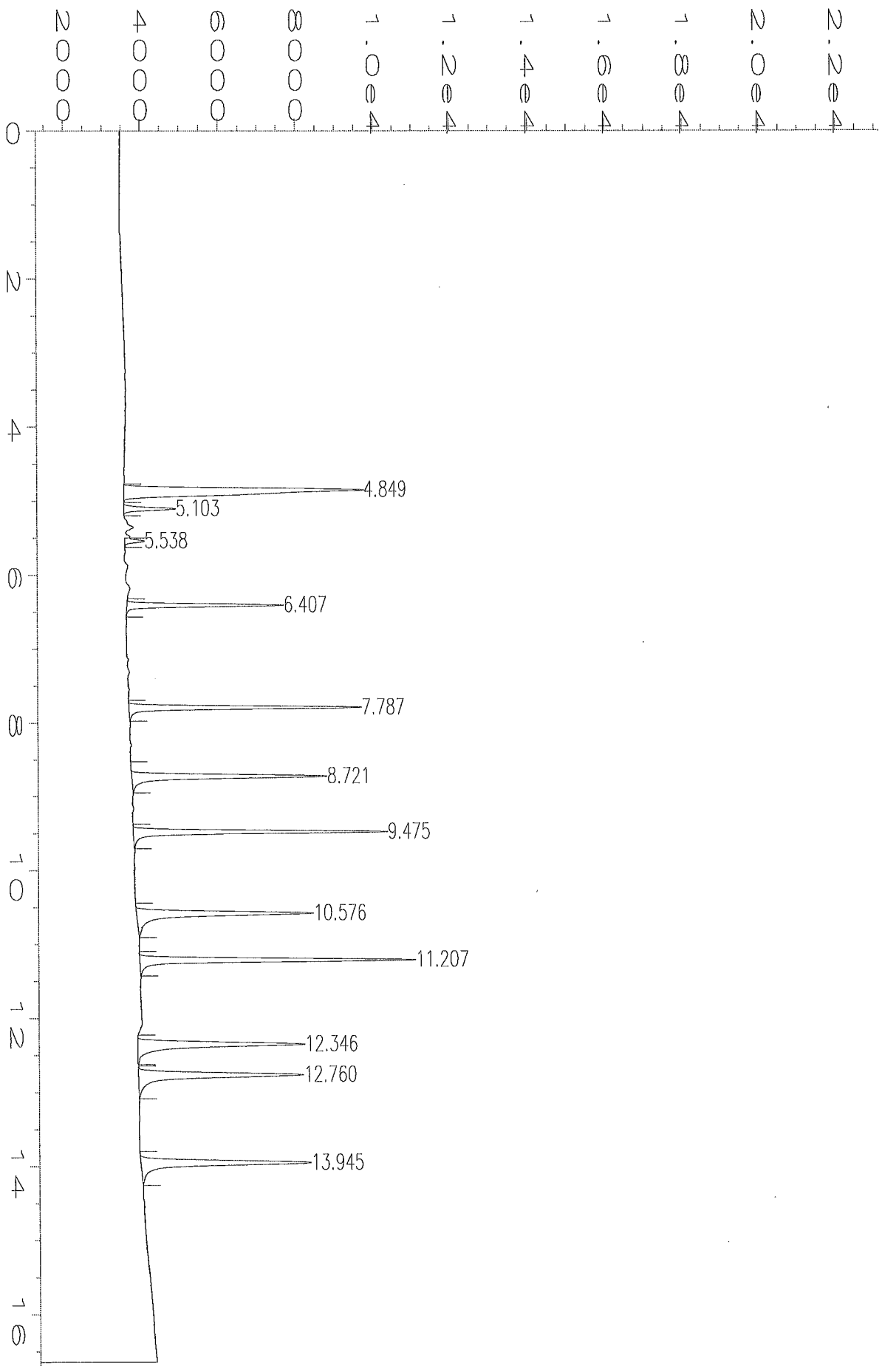
Data File Name : C:\HPCHEM\1\DATA\08036K\QC08036C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 03 Aug 26 10:17 AM
Report Created on: 03 Aug 26 10:34 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08036K\QC08036C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.849	33081	6212	BV	0.075	15.3302
2	5.103	4023	1347	PB	0.046	1.8644
3	5.538	1506	512	VB	0.045	0.6978
4	6.407	11475	4032	BB	0.044	5.3177
5	7.787	18165	5995	BB	0.047	8.4179
6	8.721	19347	5040	BB	0.059	8.9658
7	9.475	21432	6582	BV	0.050	9.9321
8	10.576	20560	4559	BB	0.068	9.5280
9	11.207	24700	7136	BB	0.054	11.4465
10	12.346	20188	4307	BB	0.071	9.3552
11	12.760	20422	4255	BB	0.073	9.4637
12	13.945	20890	4393	BB	0.074	9.6807

Total area = 215789



C:\HPCHEM\1\DATA\080236K\QC08036C.D

Area Percent Report

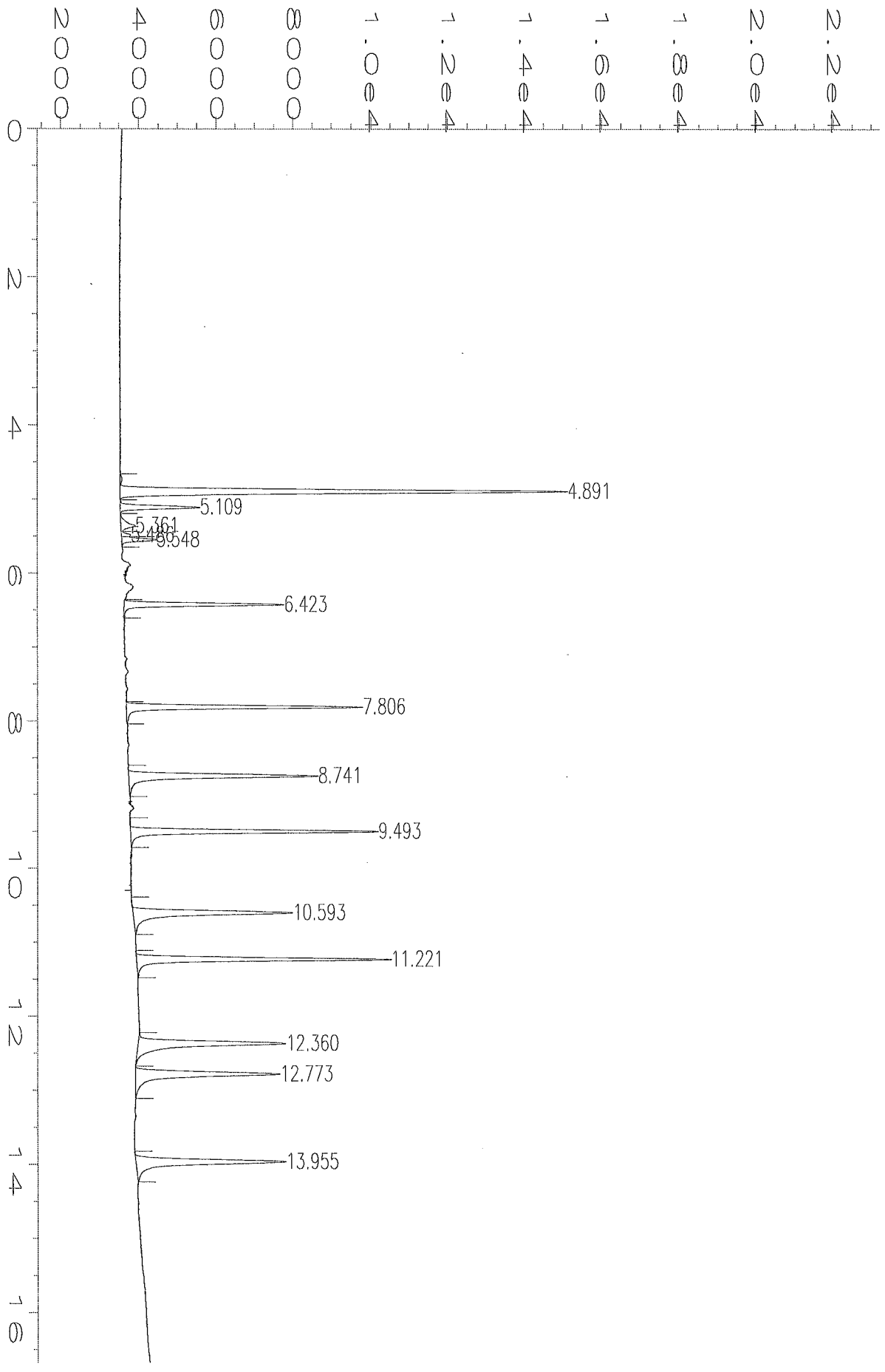
Data File Name : C:\HPCHEM\1\DATA\08036K\QC08036B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 03 Aug 26 09:40 AM
Report Created on: 03 Aug 26 09:57 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08036K\QC08036B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.891	43188	11604	BV	0.057	19.4969
2	5.109	6122	2049	PV	0.047	2.7638
3	5.361	1942	368	PV	0.070	0.8765
4	5.486	626	238	VV	0.040	0.2824
5	5.548	2597	891	VB	0.045	1.1723
6	6.423	11998	4133	VB	0.045	5.4164
7	7.806	18760	6102	BV	0.048	8.4691
8	8.741	19056	4901	BB	0.059	8.6028
9	9.493	20576	6388	BB	0.049	9.2891
10	10.593	18302	4131	BB	0.067	8.2622
11	11.221	22717	6593	BB	0.053	10.2554
12	12.360	18974	3820	BV	0.074	8.5659
13	12.773	18161	3736	PB	0.073	8.1988
14	13.955	18493	3878	BB	0.073	8.3486

Total area = 221511


4.891
5.109
5.361
5.548
6.423
7.806
8.741
9.493
10.593
11.221
12.360
12.773
13.955
C:\HPCHEM\1\DATA\DR0236K\QCC0803B.D

Area Percent Report

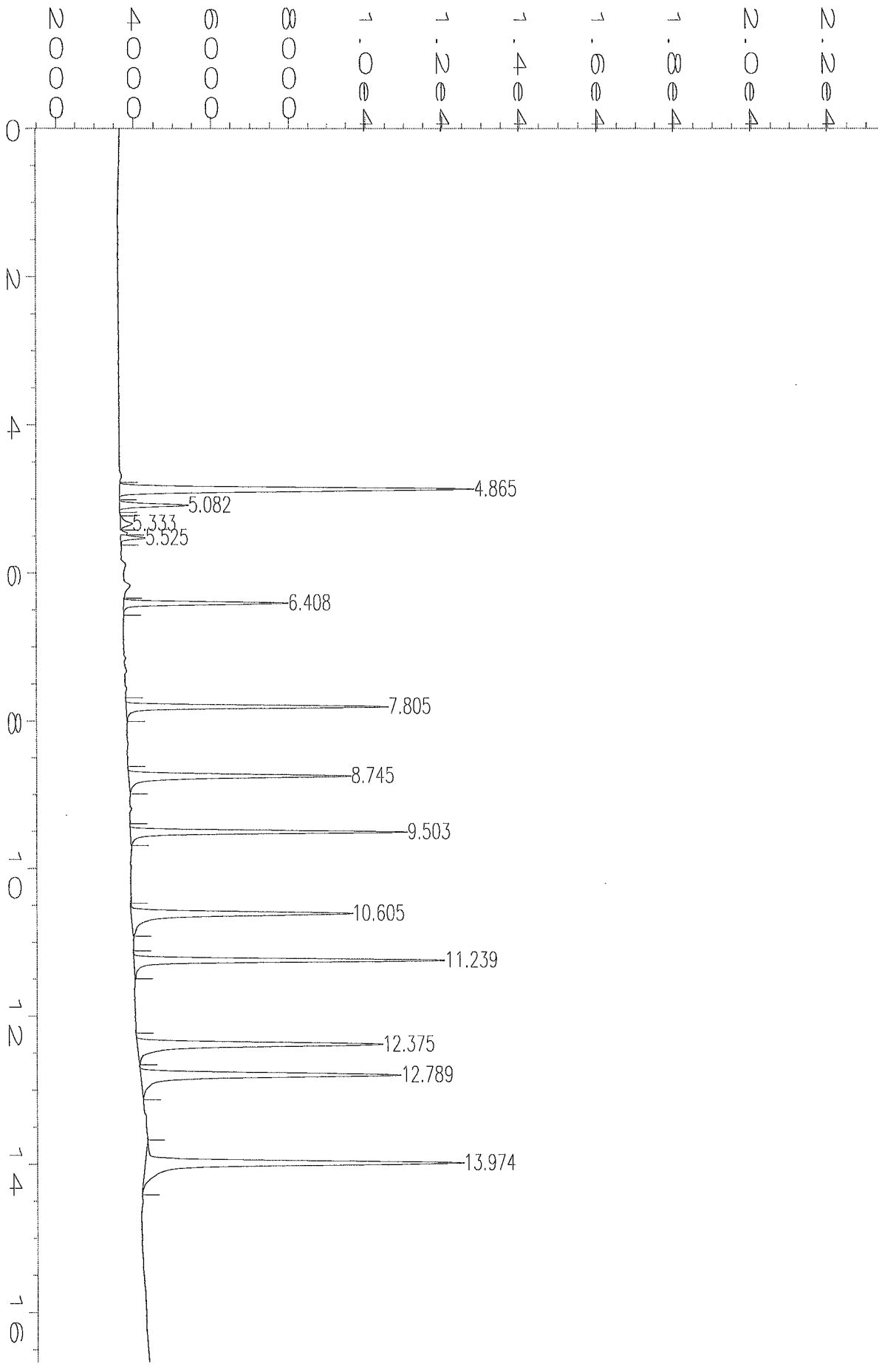
Data File Name : C:\HPCHEM\1\DATA\08036K\QC08036A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 03 Aug 26 08:54 AM
Report Created on: 03 Aug 26 09:10 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08036K\QC08036A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.865	35216	9168	BV	0.060	12.7819
2	5.082	5317	1782	PB	0.047	1.9299
3	5.333	1436	304	BV	0.067	0.5213
4	5.525	1807	614	VB	0.045	0.6560
5	6.408	12182	4245	BB	0.045	4.4214
6	7.805	20527	6804	BB	0.046	7.4502
7	8.745	22337	5761	BB	0.059	8.1074
8	9.503	23197	7176	BB	0.050	8.4196
9	10.605	25362	5703	BB	0.066	9.2054
10	11.239	27863	8062	BB	0.053	10.1128
11	12.375	28681	6364	BB	0.068	10.4100
12	12.789	30923	6736	BB	0.068	11.2235
13	13.974	40669	8248	BB	0.074	14.7608

Total area = 275518



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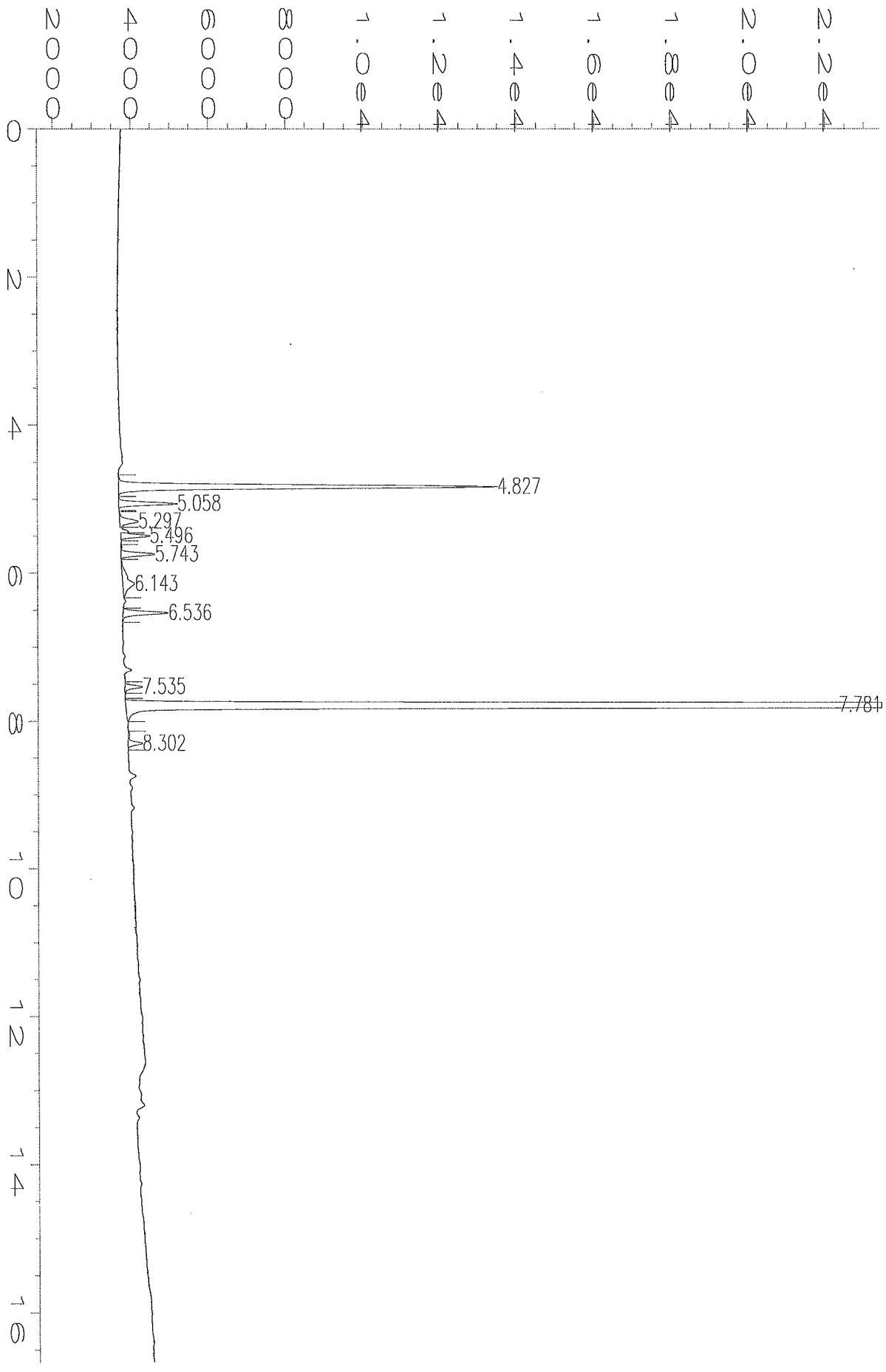
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08036K\C08036A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 03 Aug 26 08:11 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 03 Aug 26 08:27 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08036K\C08036A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.827	33873	9815	BV	0.053	8.2158
2	5.058	4445	1514	PB	0.046	1.0780
3	5.297	2091	472	BV	0.067	0.5071
4	5.496	2187	743	VB	0.045	0.5304
5	5.743	2818	873	BV	0.050	0.6835
6	6.143	3169	296	PV	0.129	0.7686
7	6.536	3800	1157	BB	0.052	0.9216
8	7.535	1429	445	BB	0.048	0.3465
9	7.781	357150	122407	BB	0.046	86.6256
10	8.302	1331	368	BB	0.054	0.3228

Total area = 412292


4.827
5.058
5.297
5.496
5.743
6.143
6.536
7.535
7.784
8.302
C:\HPCHEM\1\DATA\080236K\C08036A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080426-GCK
Date: 08/04/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	96		96		70	130	0	25	
110-54-3	n-Hexane	103		105		70	130	2	25	
71-43-2	Benzene	93		93		70	130	1	25	
142-82-5	n-Heptane	113		110		70	130	3	25	
108-88-3	Toluene	117		110		70	130	7	25	
111-65-9	n-Octane	117		110		70	130	7	25	
108-38-3	m,p-xylene	115		115		70	130	1	25	
95-47-6	o-xylene	117		117		70	130	0	25	
108-67-8	1,3,5-Trimethylbenzene	113		120		70	130	8	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08046C**	**QC08046B**	**C08046A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08046C**	**QC08046B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/04/2026**		
QCBatch:	**080426-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**360303**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**11676**	**11671**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**18233**	**18561**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**19651**	**19798**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**21742**	**21157**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**21384**	**20139**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**25947**	**24365**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**23032**	**23149**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**23455**	**23359**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**26543**	**28333**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	67	13.4	40.9
n-Hexane	86.2	6	105	17.5	63.7
Benzene	78.1	6	113	18.9	62.2
n-Heptane	100.2	7	125	17.9	75.7
Toluene	92.1	7	123	17.6	68.4
n-Octane	114.2	8	149	18.7	90.1
m,p-xylene	106.2	8	133	16.6	74.3
o-xylene	106.2	8	135	16.9	75.7
1,3,5-Trimethylbenzene	120.2	9	153	17.0	86.2

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	67	13.4
n-Hexane	86.2	6	107	17.8
Benzene	78.1	6	114	19.0
n-Heptane	100.2	7	122	17.4
Toluene	92.1	7	116	16.6
n-Octane	114.2	8	140	17.5
m,p-xylene	106.2	8	133	16.7
o-xylene	106.2	8	134	16.8
1,3,5-Trimethylbenzene	120.2	9	163	18.1

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08046K\B08046B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 04 Aug 26 11:43 AM
Report Created on: 04 Aug 26 12:19 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08046K\B08046B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.293	43964	11588	BV	0.055	81.4232
2	4.879	5283	2110	BB	0.038	9.7838
3	6.012	1098	261	BB	0.059	2.0329
4	6.743	2054	715	PB	0.045	3.8046
5	17.367	1596	352	BB	0.064	2.9555

Total area = 53994

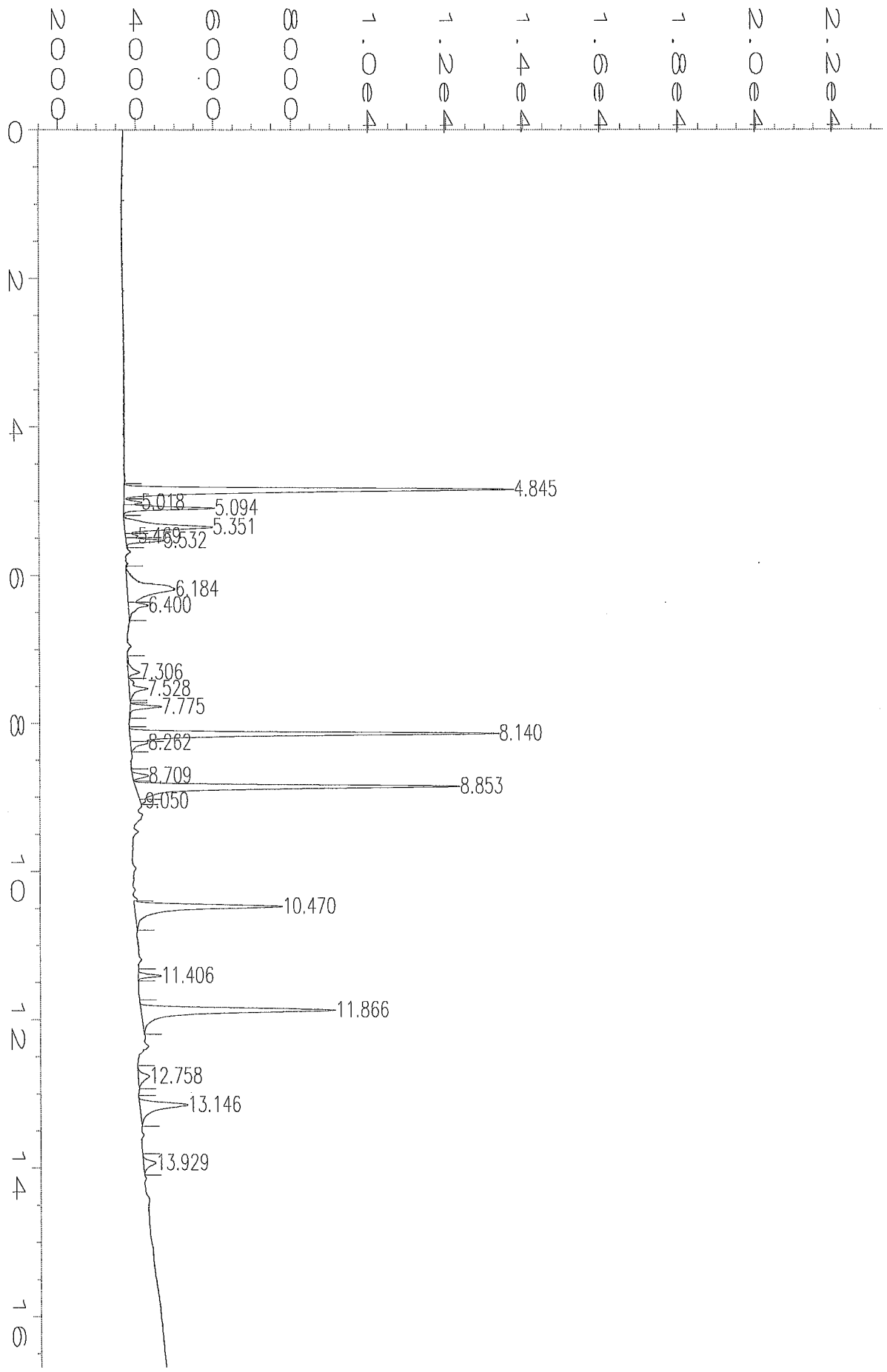
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08046K\B08046A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 04 Aug 26 10:58 AM
Report Created on: 04 Aug 26 11:15 AM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08046K\B08046A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.845	37440	10096	BV	0.054	17.8618
2	5.018	1324	454	VV	0.044	0.6314
3	5.094	6900	2352	VV	0.046	3.2917
4	5.351	11521	2270	PV	0.076	5.4962
5	5.469	843	313	VV	0.039	0.4022
6	5.532	2850	973	VB	0.045	1.3595
7	6.184	12767	1244	PV	0.128	6.0907
8	6.400	2634	511	VB	0.069	1.2566
9	7.306	1582	299	BV	0.067	0.7546
10	7.528	2665	473	VB	0.079	1.2713
11	7.775	2551	815	BB	0.048	1.2172
12	8.140	33239	9540	BV	0.053	15.8577
13	8.262	1762	458	VB	0.050	0.8406
14	8.709	1448	415	BV	0.055	0.6907
15	8.853	33023	8372	PV	0.060	15.7544
16	9.050	424	140	VB	0.043	0.2022
17	10.470	18405	3821	VB	0.071	8.7805
18	11.406	1743	594	BV	0.046	0.8314
19	11.866	24830	5014	BV	0.073	11.8459
20	12.758	1894	292	BB	0.088	0.9034
21	13.146	7985	1247	BB	0.088	3.8094
22	13.929	1783	325	BB	0.083	0.8507

Total area = 209609


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
4.845
5.018
5.094
5.351
5.469
5.532
6.184
6.400
7.306
7.528
7.775
8.140
8.262
8.709
8.853
9.050
10.470
11.406
11.866
12.758
13.146
13.929
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Area Percent Report

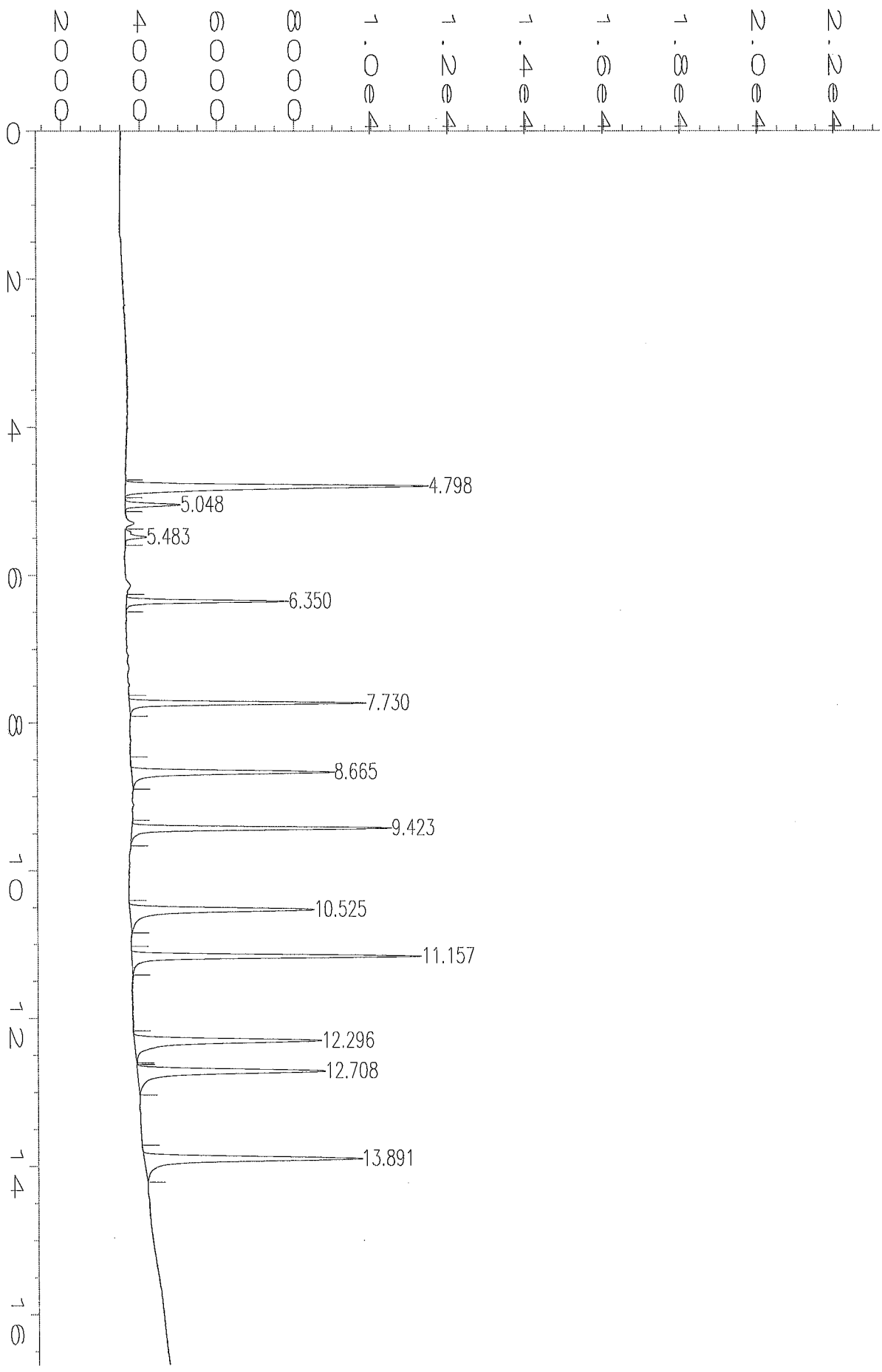
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 04 Aug 26 10:15 AM
Report Created on: 04 Aug 26 10:32 AM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08046K\QC08046C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.798	33444	7851	BV	0.063	14.4660
2	5.048	4115	1431	PB	0.044	1.7800
3	5.483	1966	545	VB	0.053	0.8503
4	6.350	11676	4182	BB	0.043	5.0505
5	7.730	18233	6129	BB	0.046	7.8867
6	8.665	19651	5249	BB	0.057	8.5002
7	9.423	21742	6720	BB	0.050	9.4044
8	10.525	21384	4767	BB	0.067	9.2497
9	11.157	25947	7494	BB	0.053	11.2235
10	12.296	23032	4848	BB	0.070	9.9624
11	12.708	23455	4859	BB	0.073	10.1453
12	13.891	26543	5654	BB	0.071	11.4810

Total area = 231188



C:\HPCHEM\1\DATA\080406K\QC0804601.D

Area Percent Report

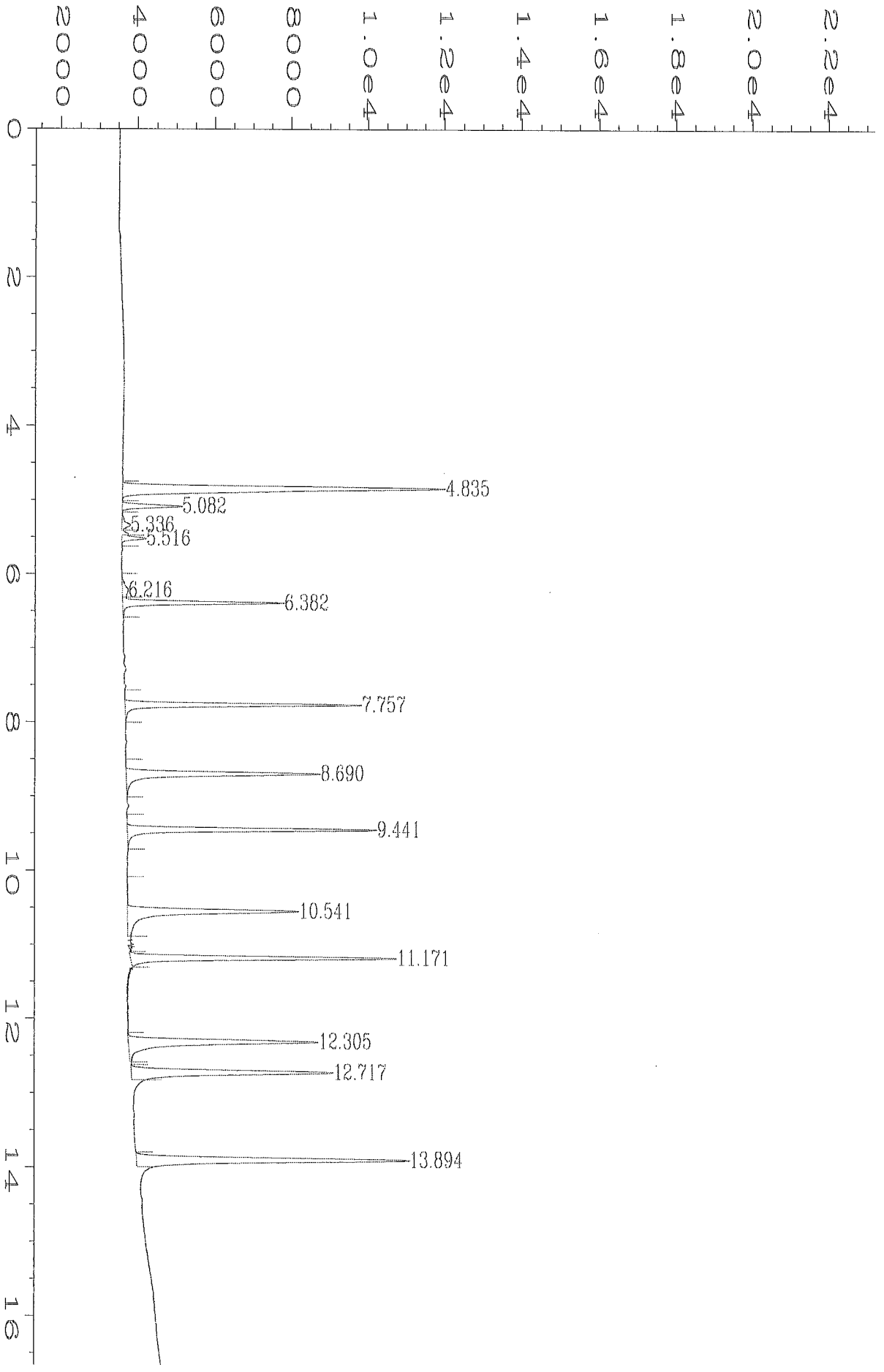
Data File Name : C:\GCCHEM\1\DATA\GCK\08046K\QC08046B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 04 Aug 26 09:39 AM
Report Created on: 24 Aug 26 04:18 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08046K\QC08046B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.835	38065	8450	BV	0.067	15.8166
2	5.082	4587	1565	PV	0.045	1.9061
3	5.336	1140	221	PV	0.071	0.4736
4	5.516	1875	640	VB	0.045	0.7792
5	6.216	1422	158	BV	0.113	0.5908
6	6.382	12433	4219	VB	0.045	5.1660
7	7.757	18715	6177	PB	0.047	7.7761
8	8.690	20011	5051	BB	0.061	8.3149
9	9.441	21304	6520	BB	0.051	8.8522
10	10.541	21837	4463	BV	0.072	9.0735
11	11.171	23982	6937	VV	0.053	9.9649
12	12.305	23603	4942	PF	0.073	9.8074
13	12.717	23359	5243	MM	0.074	9.7059
14	13.894	28333	6986	MM	0.068	11.7728

Total area = 240666

User Modified



C:\GCCHEM\1\DATA\GCK\080460K\QC080460.D

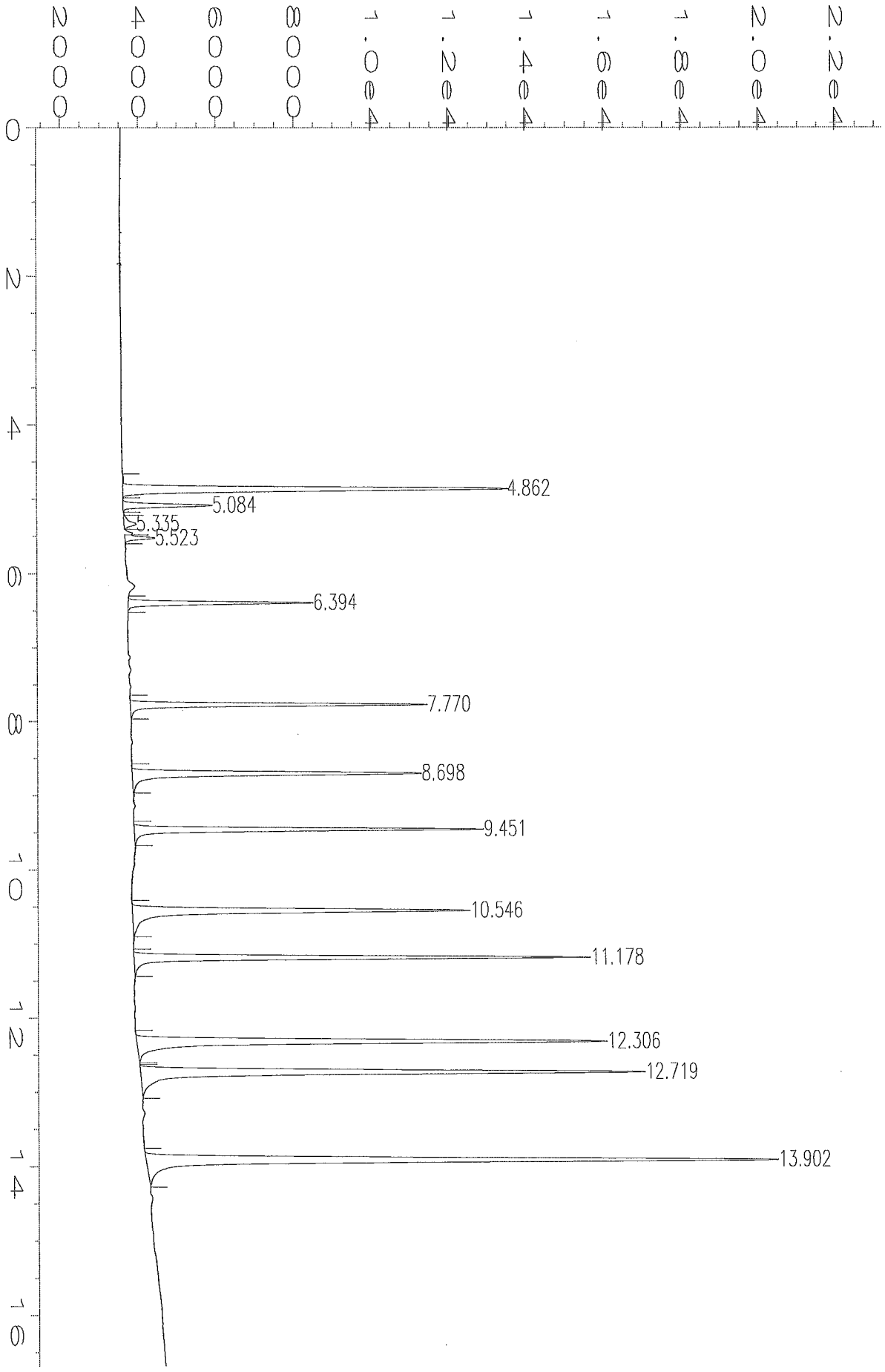
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08046K\QC08046A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST63479
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 04 Aug 26 08:59 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 04 Aug 26 09:16 AM
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08046K\QC08046A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.862	38323	9966	BV	0.060	9.6243
2	5.084	6763	2303	PB	0.046	1.6984
3	5.335	1500	310	BV	0.068	0.3767
4	5.523	2193	767	VB	0.044	0.5507
5	6.394	13246	4758	BB	0.044	3.3264
6	7.770	22574	7638	BB	0.046	5.6691
7	8.698	27792	7457	BB	0.057	6.9795
8	9.451	28339	9017	BB	0.049	7.1168
9	10.546	36683	8710	BB	0.064	9.2124
10	11.178	39574	11770	BB	0.052	9.9384
11	12.306	51640	12115	BB	0.065	12.9685
12	12.719	57089	12986	BB	0.066	14.3369
13	13.902	72478	16321	BB	0.068	18.2018

Total area = 398194


4.862
5.084
5.335
5.523
6.394
7.770
8.698
9.451
10.546
11.178
12.306
12.719
13.902
C:\HPCHEM\1\DATA\080246K\QC0804A.D

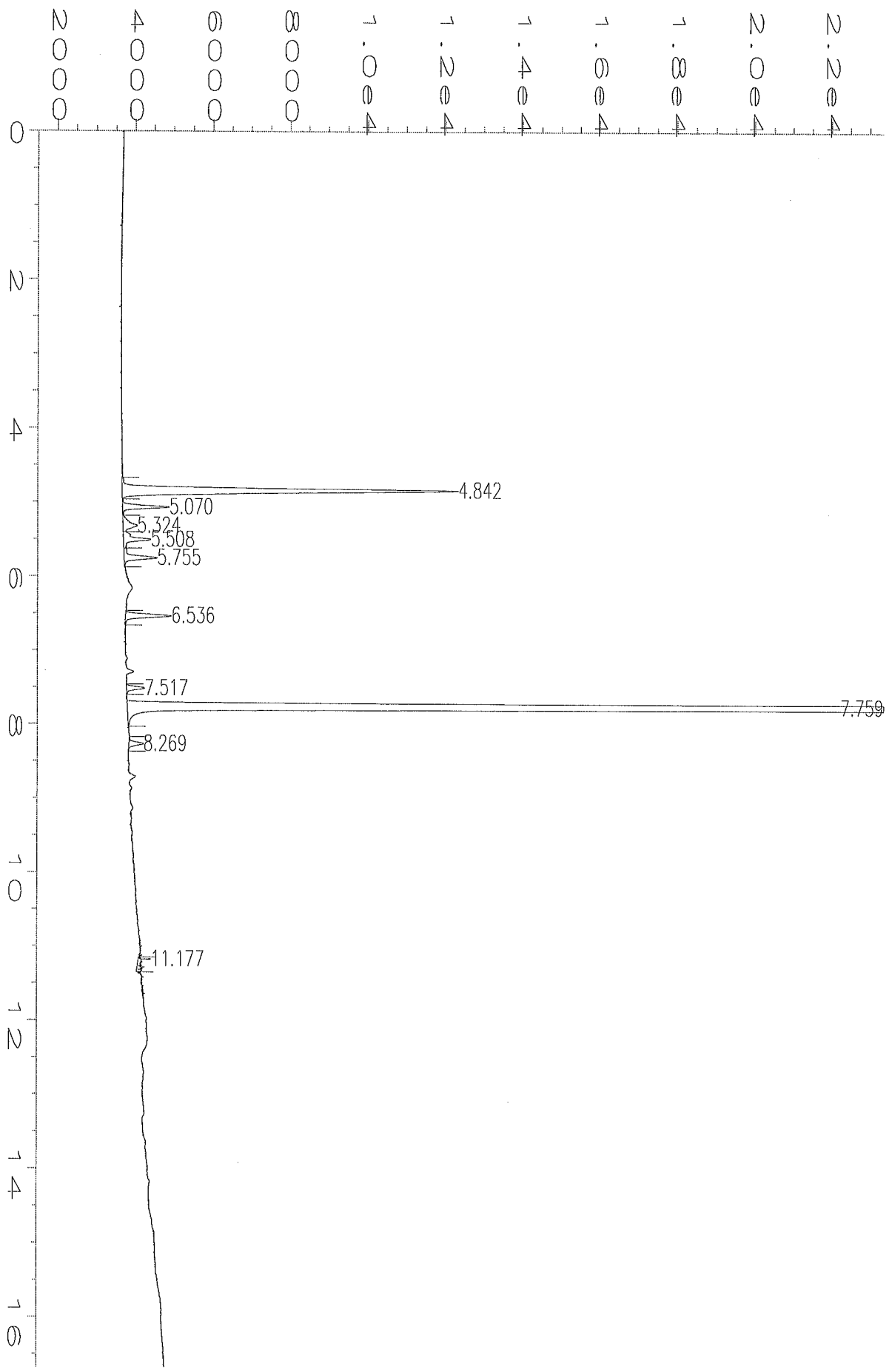
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08046K\C08046A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 04 Aug 26 08:08 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 04 Aug 26 08:25 AM
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08046K\C08046A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.842	35125	8694	BV	0.061	8.4694
2	5.070	3708	1214	VV	0.047	0.8940
3	5.324	2132	368	PV	0.072	0.5140
4	5.508	2898	709	VV	0.059	0.6987
5	5.755	3166	857	VV	0.054	0.7634
6	6.536	3783	1180	BB	0.049	0.9123
7	7.517	1389	471	BV	0.045	0.3350
8	7.759	360303	125150	PB	0.045	86.8768
9	8.269	1191	377	BB	0.046	0.2871
10	11.177	1034	332	BV	0.075	0.2493

Total area = 414729


4.842
5.070
5.324
5.508
5.755
6.536
7.517
7.759
8.269
11.177
C:\HPCHEM\1\DATA\080406K\CO80406A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 080726-GCK
Date: 08/07/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	103		102		70	130	1	25	
110-54-3	n-Hexane	110		108		70	130	2	25	
71-43-2	Benzene	101		98		70	130	3	25	
142-82-5	n-Heptane	115		114		70	130	1	25	
108-88-3	Toluene	124		109		70	130	15	25	
111-65-9	n-Octane	119		108		70	130	10	25	
108-38-3	m,p-xylene	113		100		70	130	13	25	
95-47-6	o-xylene	113		101		70	130	12	25	
108-67-8	1,3,5-Trimethylbenzene	99		92		70	130	7	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08076C**	**QC08076B**	**C08076A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08076C**	**QC08076B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/07/2026**		
QCBatch:	**080726-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**381246**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C **LCS Area**	B **LCD Area**
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**12568**	**12502**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**19923**	**19601**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**21306**	**20751**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**23021**	**22754**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**23661**	**20814**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**27366**	**24975**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**23138**	**20483**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**23128**	**20671**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**23073**	**21382**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	72	14.5	44.1
n-Hexane	86.2	6	115	19.1	69.6
Benzene	78.1	6	123	20.4	67.4
n-Heptane	100.2	7	133	18.9	80.1
Toluene	92.1	7	136	19.5	75.7
n-Octane	114.2	8	158	19.7	95.0
m,p-xylene	106.2	8	133	16.7	74.7
o-xylene	106.2	8	133	16.6	74.7
1,3,5-Trimethylbenzene	120.2	9	133	14.8	74.9

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	72	14.4
n-Hexane	86.2	6	113	18.8
Benzene	78.1	6	119	19.9
n-Heptane	100.2	7	131	18.7
Toluene	92.1	7	120	17.1
n-Octane	114.2	8	144	18.0
m,p-xylene	106.2	8	118	14.7
o-xylene	106.2	8	119	14.9
1,3,5-Trimethylbenzene	120.2	9	123	13.7

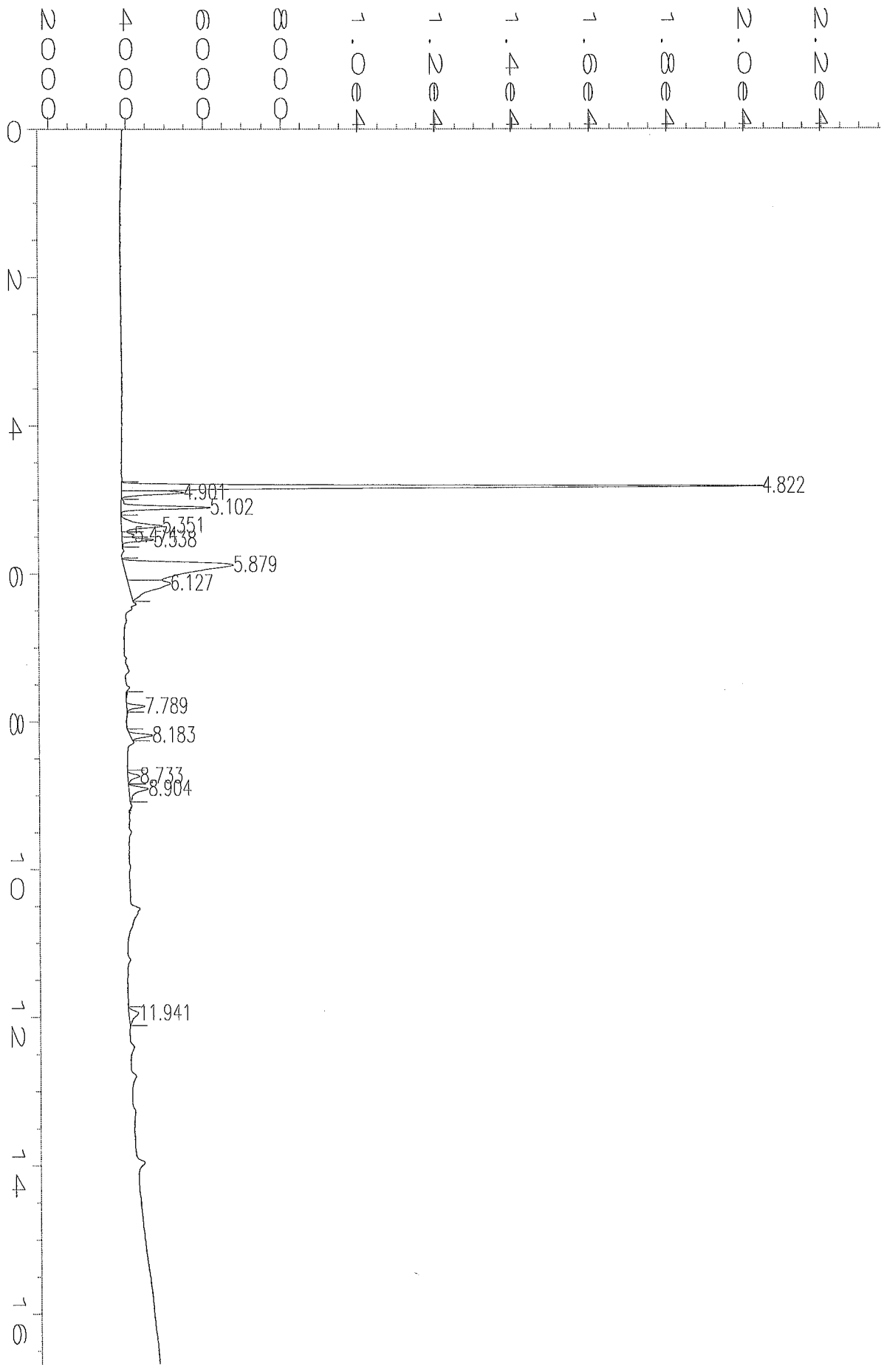
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08076K\B08076A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : HUMID BLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 07 Aug 26 10:57 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 07 Aug 26 11:13 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08076K\B08076A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.822	43946	16674	BV	0.041	39.4073
2	4.901	5210	1611	VV	0.050	4.6718
3	5.102	6903	2316	VV	0.047	6.1902
4	5.351	5218	1049	PV	0.072	4.6792
5	5.474	1027	328	VV	0.044	0.9206
6	5.538	2389	814	VB	0.045	2.1424
7	5.879	28298	2848	BV	0.136	25.3755
8	6.127	9682	1085	VV	0.119	8.6821
9	7.789	1483	474	VB	0.049	1.3299
10	8.183	1895	569	BV	0.052	1.6993
11	8.733	1280	312	BV	0.060	1.1475
12	8.904	2543	506	VB	0.072	2.2804
13	11.941	1643	246	BB	0.089	1.4736

Total area = 111516


4.822
4.901
5.102
5.351
5.938
5.879
6.127
7.789
8.183
8.733
8.904
11.941
C:\HPCHEM\1\DATA\080726K\B080726A.D

Area Percent Report

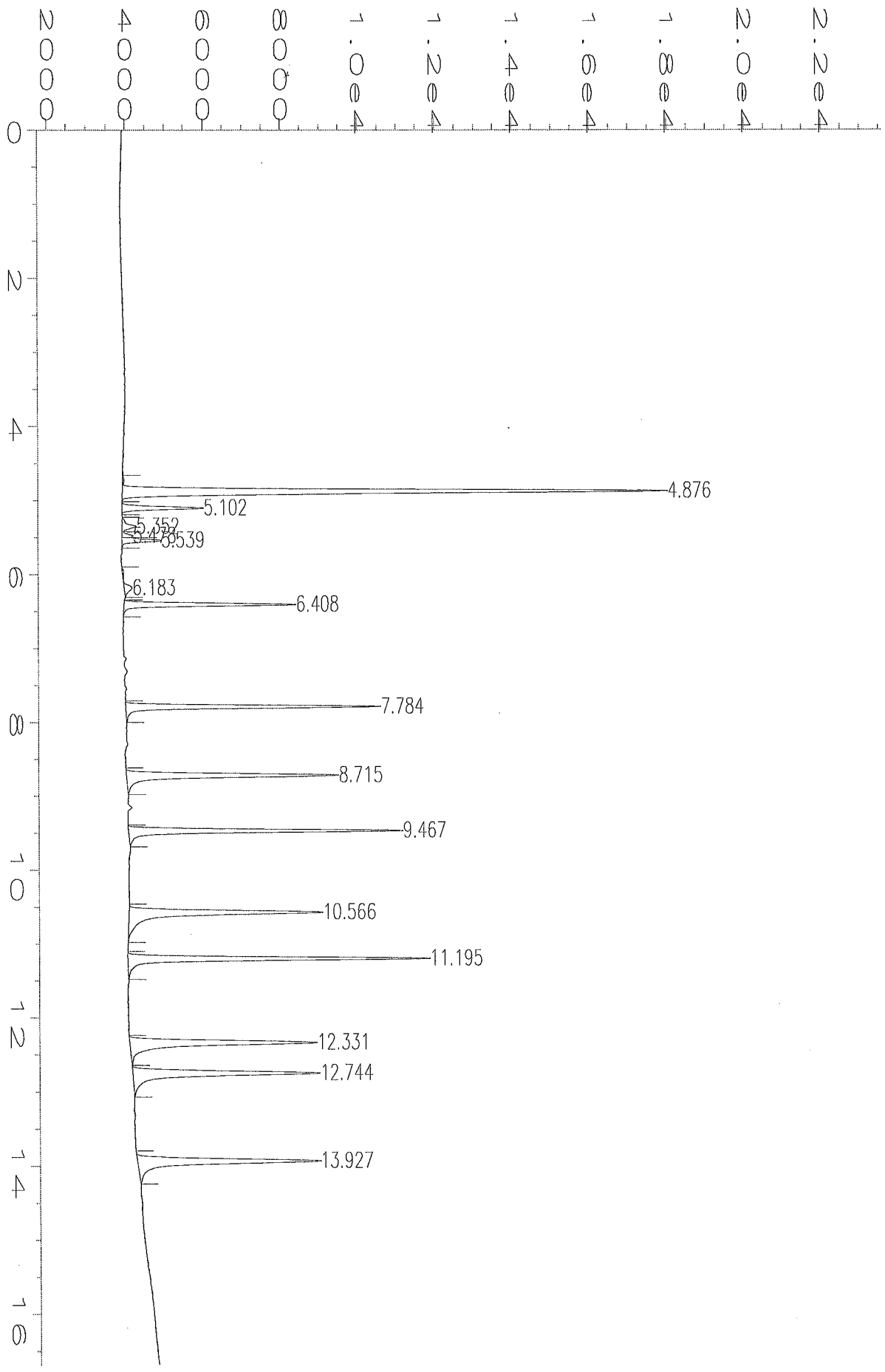
Data File Name : C:\HPCHEM\1\DATA\08076K\QC08076C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 07 Aug 26 10:15 AM
Report Created on: 07 Aug 26 10:31 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08076K\QC08076C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.876	54060	14093	BV	0.058	20.4781
2	5.102	6171	2093	PB	0.046	2.3376
3	5.352	1552	359	BV	0.063	0.5881
4	5.478	746	281	VV	0.040	0.2827
5	5.539	2917	1001	VB	0.045	1.1049
6	6.183	1358	200	BB	0.099	0.5143
7	6.408	12568	4432	BB	0.044	4.7606
8	7.784	19923	6583	BB	0.047	7.5470
9	8.715	21306	5488	BB	0.059	8.0710
10	9.467	23021	7090	BB	0.050	8.7203
11	10.566	23661	5003	BB	0.070	8.9628
12	11.195	27366	7827	BB	0.053	10.3663
13	12.331	23138	4831	BB	0.070	8.7649
14	12.744	23128	4830	BB	0.071	8.7611
15	13.927	23073	4748	BB	0.074	8.7402

Total area = 263988



C:\HPCHEM\1\DATA\080726K\QCC08076C.D

Area Percent Report

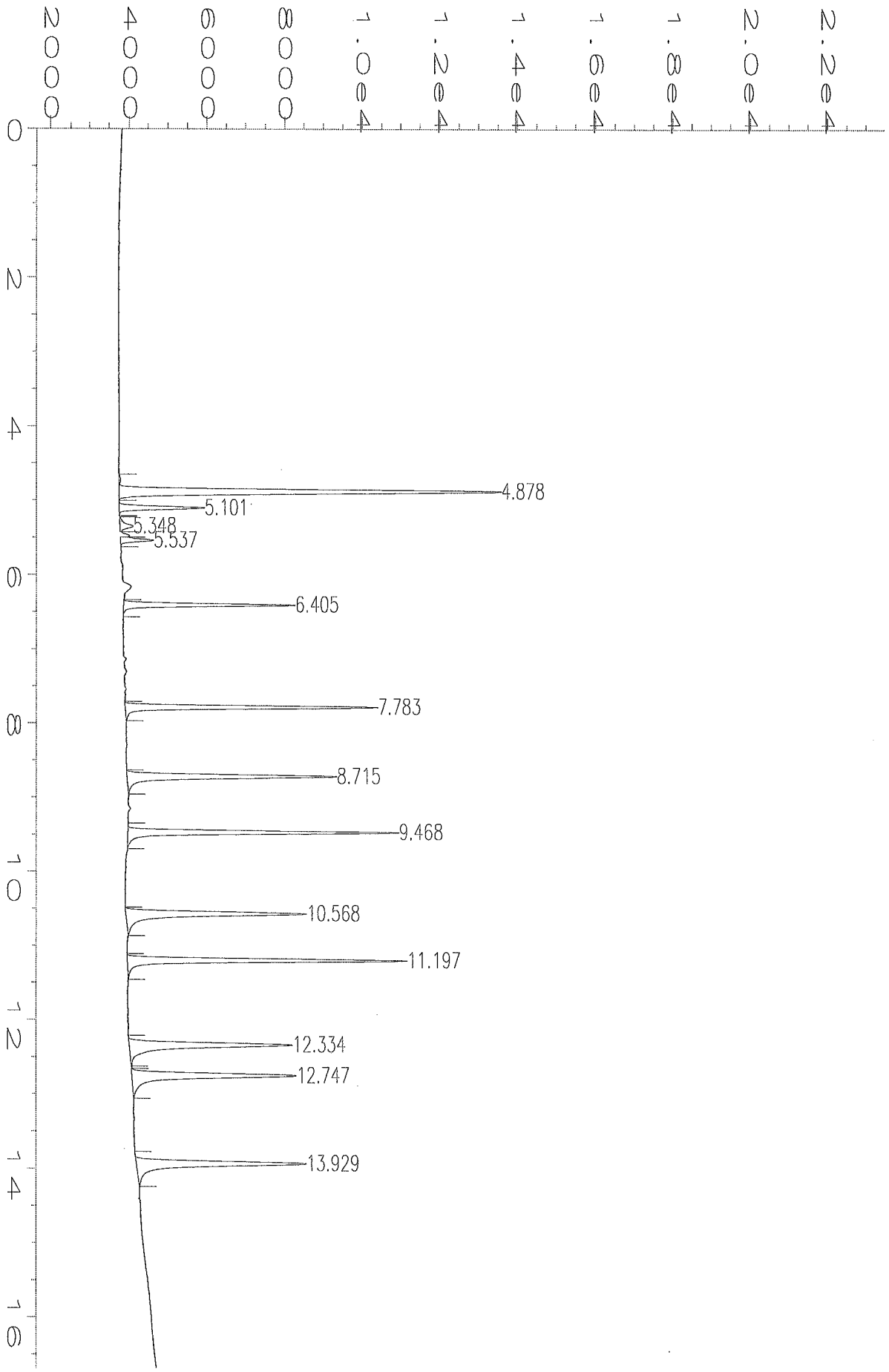
Data File Name : C:\HPCHEM\1\DATA\08076K\QC08076B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 07 Aug 26 09:35 AM
Report Created on: 07 Aug 26 09:52 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08076K\QC08076B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.878	39304	9857	BV	0.062	16.8204
2	5.101	6483	2199	PB	0.046	2.7745
3	5.348	1464	326	BV	0.066	0.6266
4	5.537	2486	852	VB	0.045	1.0639
5	6.405	12502	4428	BB	0.044	5.3501
6	7.783	19601	6511	BB	0.047	8.3881
7	8.715	20751	5422	BB	0.058	8.8803
8	9.468	22754	7013	BB	0.050	9.7377
9	10.568	20814	4658	BB	0.068	8.9076
10	11.197	24975	7216	BB	0.054	10.6882
11	12.334	20483	4210	BB	0.073	8.7656
12	12.747	20671	4241	BB	0.074	8.8463
13	13.929	21382	4374	BB	0.071	9.1507

Total area = 233671


4.878
5.101
5.348
5.537
6.405
7.783
8.715
9.468
10.568
11.197
12.334
12.747
13.929
C:\HPCHEM\1\DATA\080706K\QCO80706B.D

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08076K\QC08076A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 07 Aug 26 08:50 AM
Report Created on: 07 Aug 26 09:06 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

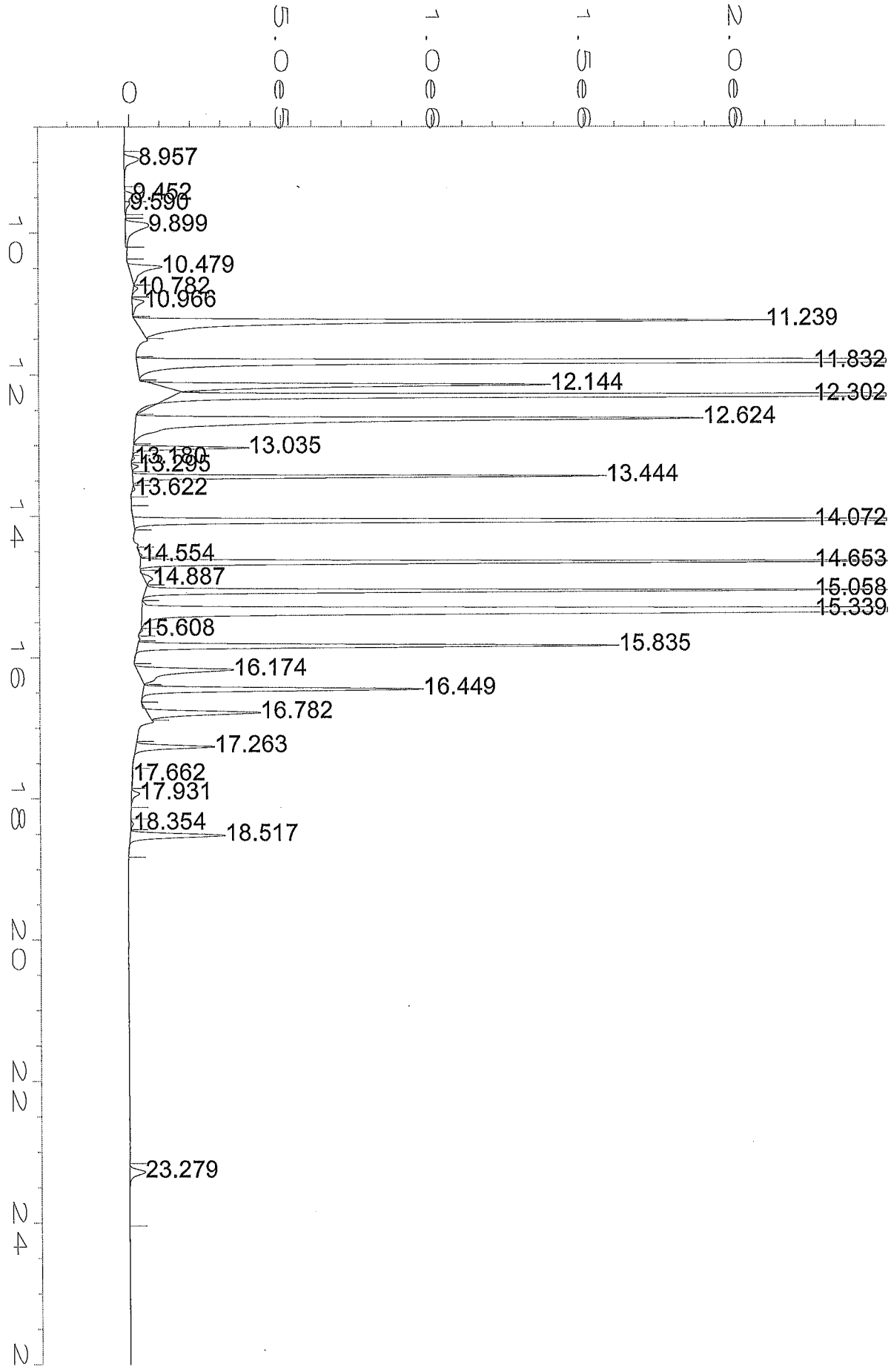
Sig. 1 in C:\HPCHEM\1\DATA\08076K\QC08076A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.887	50770	12920	BV	0.060	14.3162
2	5.111	7313	2460	PB	0.047	2.0622
3	5.362	1720	350	BV	0.074	0.4849
4	5.550	2423	833	VB	0.045	0.6831
5	6.422	13702	4867	BB	0.044	3.8637
6	7.803	23390	7801	BV	0.046	6.5956
7	8.734	27493	7197	BB	0.057	7.7525
8	9.487	27937	8797	BB	0.049	7.8777
9	10.583	31834	7474	BB	0.064	8.9764
10	11.216	35872	10329	BB	0.053	10.1152
11	12.349	39149	8743	BV	0.068	11.0392
12	12.763	42508	9334	VV	0.070	11.9866
13	13.946	50523	11173	BB	0.070	14.2466

Total area = 354634

Total area = 1.13314E+008

==========


0
5.000
10.000
15.000
20.000
8.957
9.452
9.596
9.899
10.479
10.782
10.966
11.239
11.832
12.144
12.302
12.624
13.035
13.180
13.295
13.444
13.622
14.072
14.554
14.653
14.887
15.058
15.339
15.608
15.835
16.174
16.449
16.782
17.263
17.662
17.931
18.354
18.517
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26
C:\GCCHEM\1\DATA\QSRO76GCL\CO8076BD

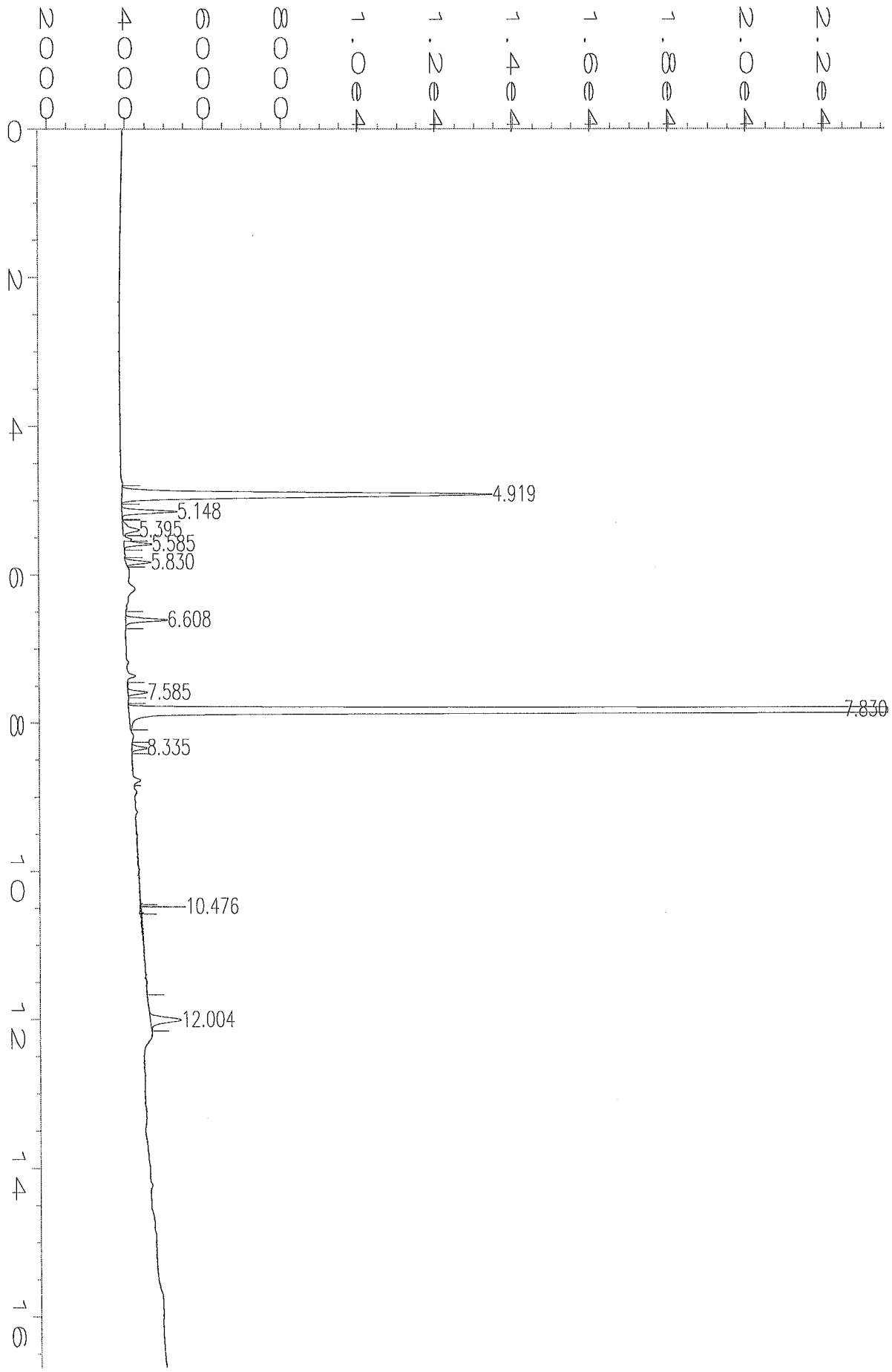
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08076K\C08076A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 07 Aug 26 08:01 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 07 Aug 26 08:18 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08076K\C08076A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.919	42637	9538	BV	0.070	9.5876
2	5.148	4287	1423	PB	0.048	0.9641
3	5.395	1975	406	BV	0.068	0.4441
4	5.585	2054	708	VB	0.045	0.4620
5	5.830	1868	638	BV	0.047	0.4201
6	6.608	3468	1074	BB	0.050	0.7799
7	7.585	1478	496	PB	0.046	0.3324
8	7.830	381246	132349	BB	0.045	85.7296
9	8.335	1164	380	BB	0.048	0.2617
10	10.476	480	1278	BV	0.006	0.1079
11	12.004	4049	796	BB	0.075	0.9104

Total area = 444708


4.919
5.148
5.395
5.585
5.830
6.608
7.585
7.830
8.335
10.476
12.004
C:\HPCHEM\1\DATA\QR0726K\CO8076A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081026-GCK
Date: 08/10/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	103		101		70	130	2	25	
110-54-3	n-Hexane	107		106		70	130	1	25	
71-43-2	Benzene	101		92		70	130	10	25	
142-82-5	n-Heptane	114		107		70	130	8	25	
108-88-3	Toluene	114		101		70	130	13	25	
111-65-9	n-Octane	117		100		70	130	16	25	
108-38-3	m,p-xylene	110		92		70	130	18	25	
95-47-6	o-xylene	110		93		70	130	17	25	
108-67-8	1,3,5-Trimethylbenzene	94		90		70	130	4	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08106C**	**QC08106B**	**C08106A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08106C**	**QC08106B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/10/2026**		
QCBatch:	**081026-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**364783**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C **LCS Area**	B **LCD Area**
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**12607**	**12418**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**19437**	**19253**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**21485**	**19454**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**22893**	**21387**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**21861**	**19331**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**26883**	**23153**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**22450**	**18716**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**22512**	**19066**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**21873**	**20873**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	73	14.5	44.2
n-Hexane	86.2	6	112	18.7	67.9
Benzene	78.1	6	124	20.6	68.0
n-Heptane	100.2	7	132	18.8	79.7
Toluene	92.1	7	126	18.0	69.9
n-Octane	114.2	8	155	19.3	93.3
m,p-xylene	106.2	8	129	16.2	72.5
o-xylene	106.2	8	130	16.2	72.7
1,3,5-Trimethylbenzene	120.2	9	126	14.0	71.0

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	72	14.3
n-Hexane	86.2	6	111	18.5
Benzene	78.1	6	112	18.7
n-Heptane	100.2	7	123	17.6
Toluene	92.1	7	111	15.9
n-Octane	114.2	8	133	16.7
m,p-xylene	106.2	8	108	13.5
o-xylene	106.2	8	110	13.7
1,3,5-Trimethylbenzene	120.2	9	120	13.4

Area Percent Report

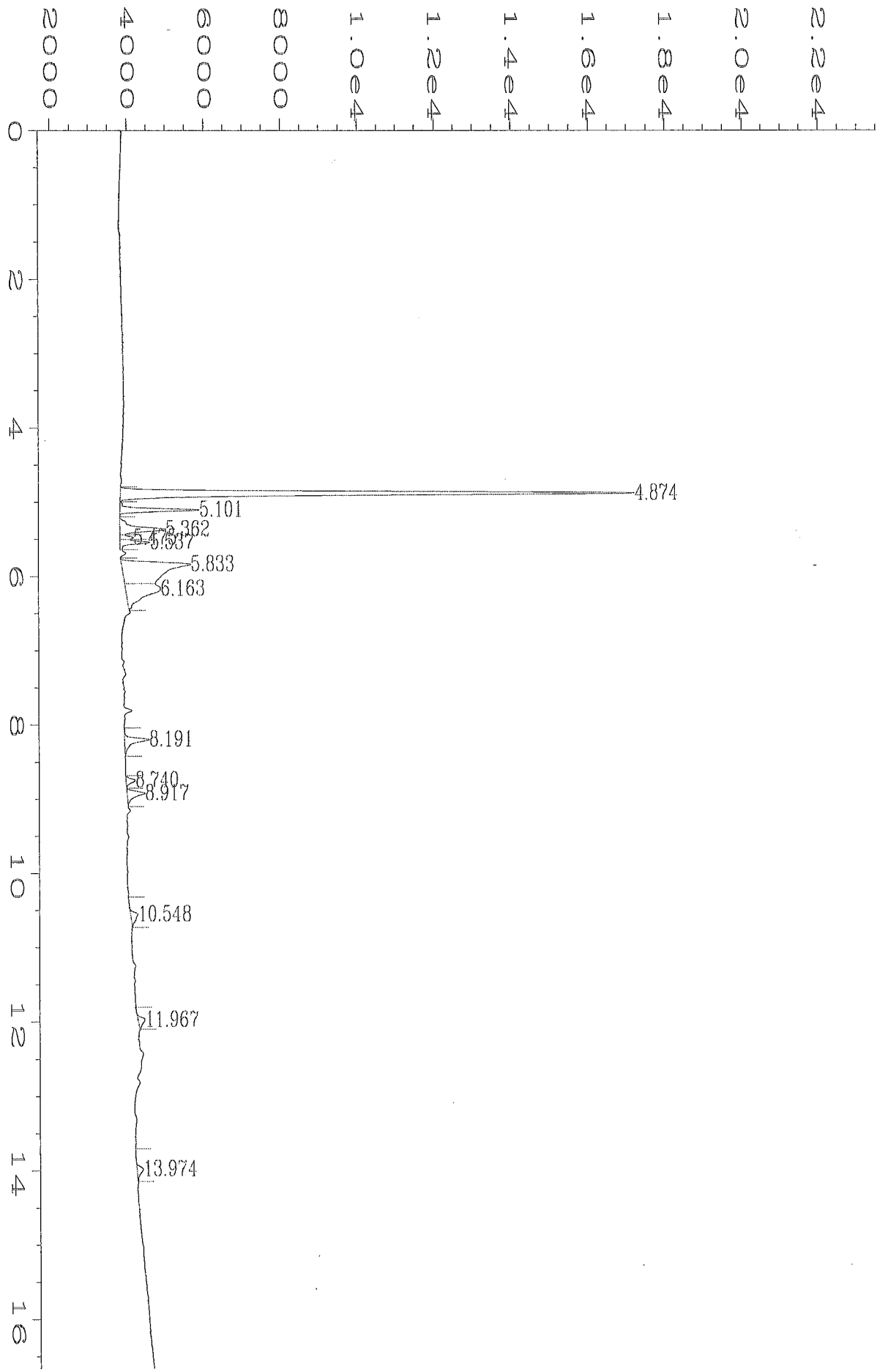
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Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 10 Aug 26 11:12 AM
Report Created on: 24 Aug 26 03:25 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08106K\B08106A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.874	46763	13378	BV	0.053	45.0922
2	5.101	6022	2072	VV	0.045	5.8065
3	5.362	5739	1205	PV	0.071	5.5336
4	5.475	1029	351	VV	0.043	0.9923
5	5.537	2499	776	VV	0.049	2.4102
6	5.833	21322	1798	PV	0.155	20.5605
7	6.163	10333	924	VV	0.151	9.9640
8	8.191	3200	648	BB	0.070	3.0856
9	8.740	1016	245	BV	0.060	0.9801
10	8.917	2381	474	PV	0.070	2.2958
11	10.548	1365	194	BB	0.096	1.3162
12	11.967	1089	186	BV	0.074	1.0498
13	13.974	947	164	BB	0.077	0.9132

Total area = 103706


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
4.874
5.101
5.362
5.833
6.163
8.191
8.740
8.917
10.548
11.967
13.974
C:\GCCHEM\1\DATA\GCK\081006K\B081006A.D

Area Percent Report

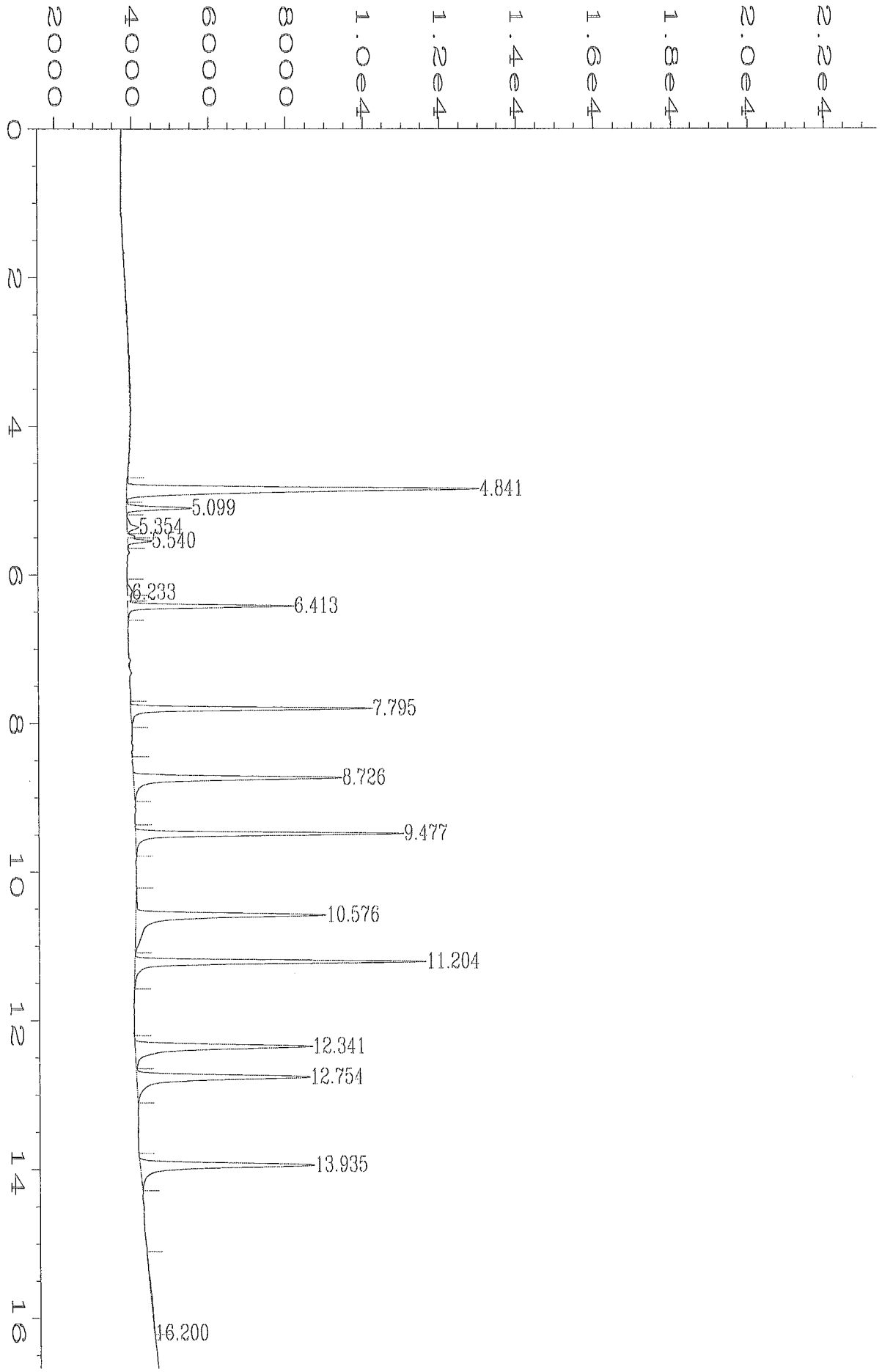
Data File Name : C:\GCCHEM\1\DATA\GCK\08106K\QC08106C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 10 Aug 26 10:35 AM
Report Created on: 24 Aug 26 04:47 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08106K\QC08106C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.841	41221	9179	BV	0.066	16.9426
2	5.099	5067	1702	PV	0.046	2.0828
3	5.354	1506	303	PV	0.064	0.6191
4	5.540	1854	628	VV	0.045	0.7622
5	6.233	838	125	BV	0.086	0.3444
6	6.413	12607	4321	VV	0.045	5.1819
7	7.795	19437	6303	PV	0.047	7.9890
8	8.726	21485	5418	BB	0.060	8.8308
9	9.477	22893	6968	BB	0.050	9.4096
10	10.576	21861	4945	MM	0.074	8.9852
11	11.204	26883	7569	FB	0.054	11.0495
12	12.341	22450	4611	BV	0.072	9.2275
13	12.754	22512	4487	VB	0.073	9.2528
14	13.935	21873	4519	BB	0.074	8.9901
15	16.200	809	10	BV	0.941	0.3324

Total area = 243297

User Modified



C:\GCCHEM\1\DATA\GCK\081006K\QC081006C.D

Area Percent Report

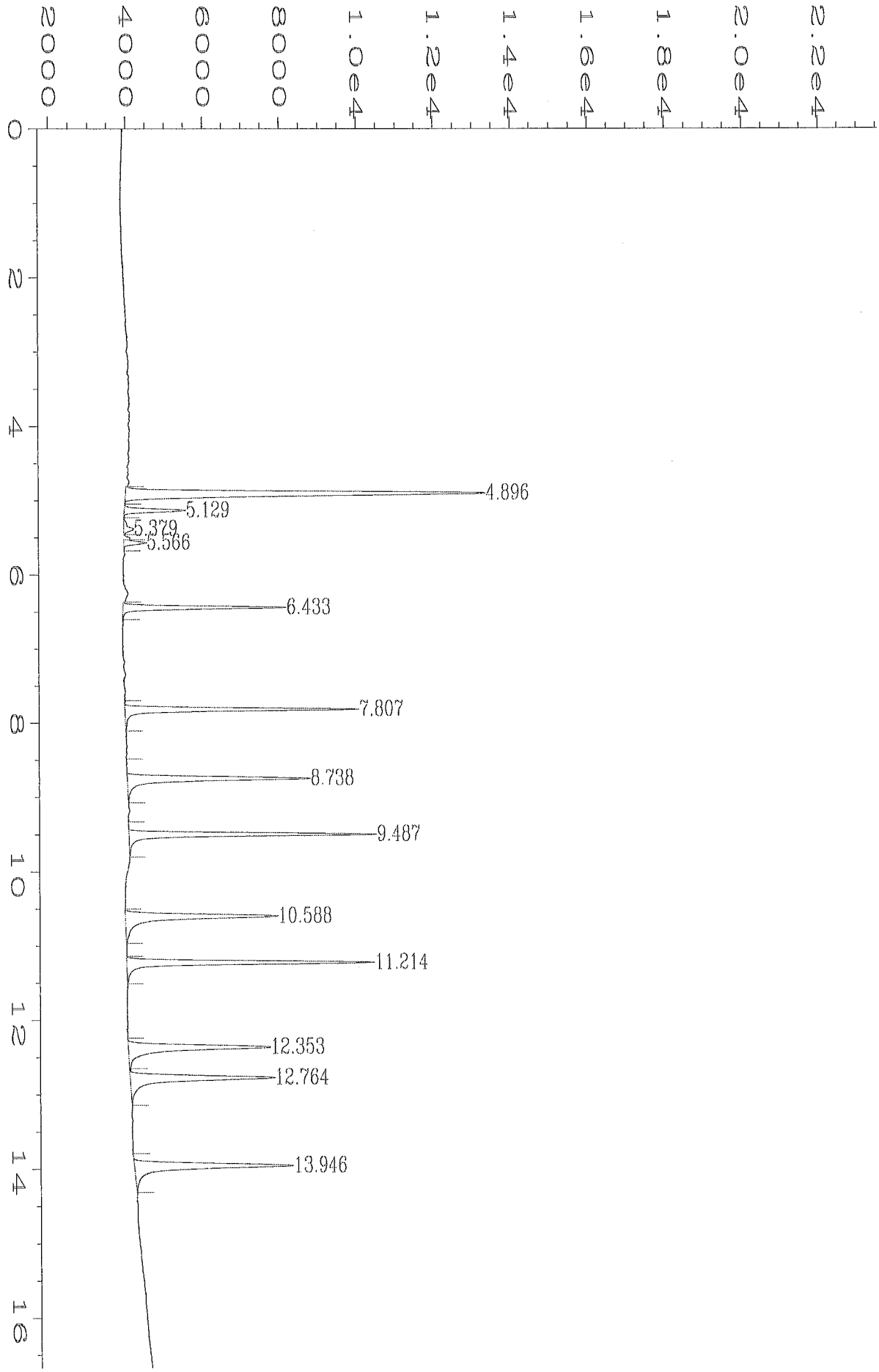
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 10 Aug 26 09:59 AM
Report Created on: 24 Aug 26 03:24 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08106K\QC08106B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.896	40604	9355	VV	0.067	18.2720
2	5.129	4868	1611	PV	0.048	2.1905
3	5.379	1291	264	PV	0.068	0.5810
4	5.566	1807	600	VV	0.047	0.8129
5	6.433	12418	4259	VV	0.045	5.5881
6	7.807	19253	6097	PV	0.049	8.6641
7	8.738	19454	4766	BB	0.062	8.7541
8	9.487	21387	6442	BB	0.051	9.6241
9	10.588	19331	3998	BB	0.072	8.6989
10	11.214	23153	6450	BB	0.055	10.4191
11	12.353	18716	3709	BV	0.075	8.4221
12	12.764	19066	3782	VB	0.075	8.5800
13	13.946	20873	4153	BB	0.075	9.3930

Total area = 222221



C:\GCCHEM\1\DATA\GCK\081006K\QC081006B.D

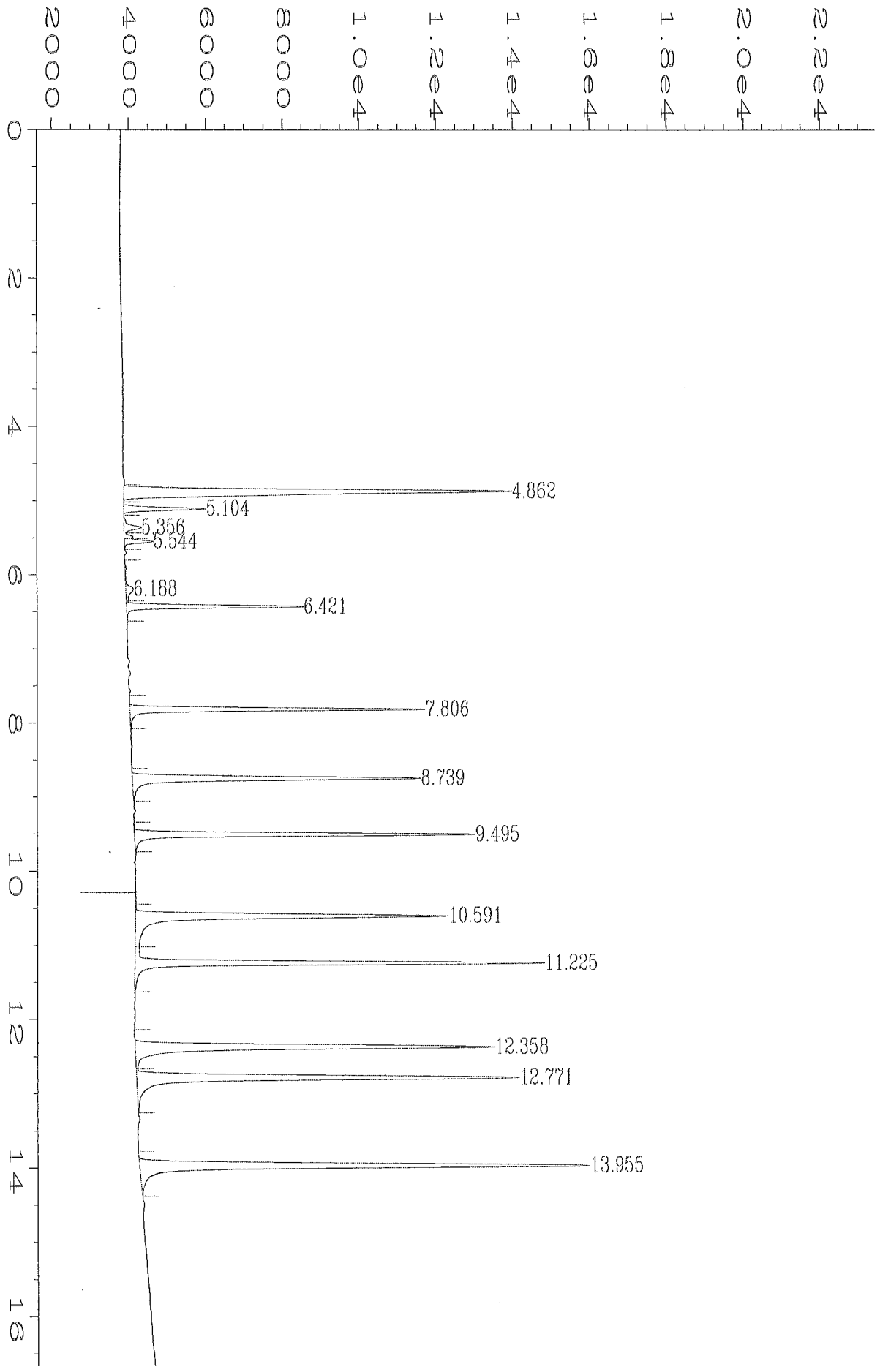
Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCK\08106K\QC08106A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 10 Aug 26 09:25 AM
Report Created on: 24 Aug 26 03:24 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08106K\QC08106A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.862	46284	10115	BV	0.067	12.4924
2	5.104	6292	2139	PV	0.046	1.6983
3	5.356	2014	456	PV	0.066	0.5436
4	5.544	2243	756	VV	0.046	0.6054
5	6.188	1756	200	BV	0.115	0.4741
6	6.421	13293	4619	VB	0.045	3.5880
7	7.806	23314	7707	BV	0.047	6.2925
8	8.739	28707	7519	BV	0.057	7.7482
9	9.495	28879	8892	PV	0.050	7.7948
10	10.591	37113	8157	PV	0.068	10.0172
11	11.225	38892	10677	VB	0.055	10.4972
12	12.358	42060	9378	BV	0.069	11.3524
13	12.771	46175	9960	VV	0.070	12.4630
14	13.955	53474	11689	BB	0.068	14.4330

Total area = 370496



C:\GCCHEM\1\DATA\GCK\081006K\RC081006A.D

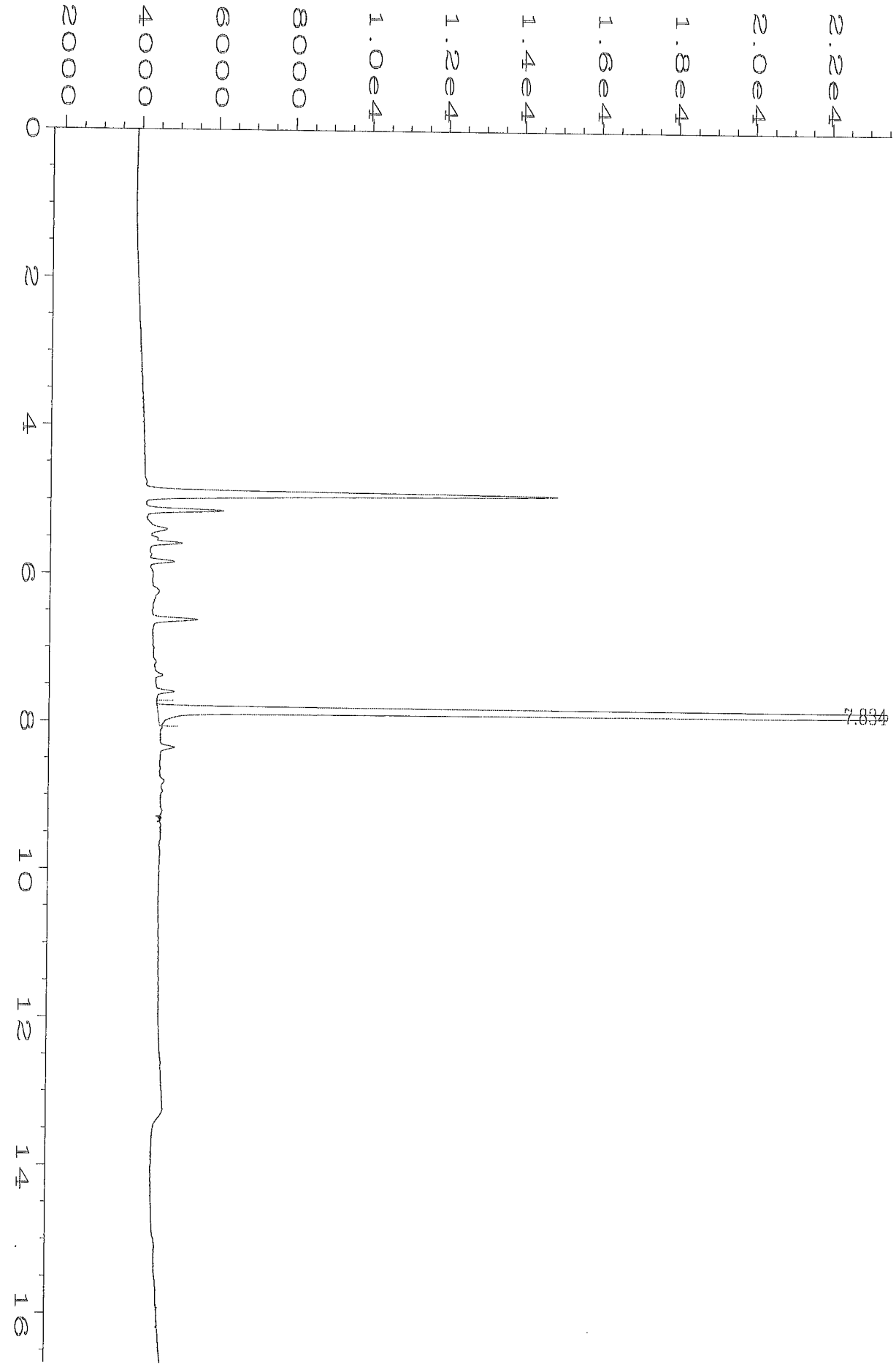
Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCK\08106K\C08106A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 10 Aug 26 08:44 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 24 Aug 26 03:23 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08106K\C08106A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	7.834	364783	128324	PV	0.044	100.0000

Total area = 364783


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
7.834
C:\GCCHEM\1\DATA\C081106K\C081106A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081126-GCK
Date: 08/11/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	80		83		70	130	3	25	
110-54-3	n-Hexane	84		84		70	130	0	25	
71-43-2	Benzene	79		79		70	130	0	25	
142-82-5	n-Heptane	90		87		70	130	3	25	
108-88-3	Toluene	90		81		70	130	8	25	
111-65-9	n-Octane	91		83		70	130	8	25	
108-38-3	m,p-xylene	83		76		70	130	7	25	
95-47-6	o-xylene	82		75		70	130	7	25	
108-67-8	1,3,5-Trimethylbenzene	71		75		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08116C**	**QC08116B**	**C08116A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08116C**	**QC08116B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/11/2026**		
QCBatch:	**081126-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**276092**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**9138**	**9436**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**14310**	**14228**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**15501**	**15548**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**16917**	**16335**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**16098**	**14592**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**19741**	**17978**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**15678**	**14280**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**15515**	**14163**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**14840**	**15539**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	53	10.5	32.0
n-Hexane	86.2	6	82	13.7	50.0
Benzene	78.1	6	89	14.9	49.1
n-Heptane	100.2	7	97	13.9	58.9
Toluene	92.1	7	93	13.2	51.5
n-Octane	114.2	8	114	14.2	68.5
m,p-xylene	106.2	8	90	11.3	50.6
o-xylene	106.2	8	89	11.2	50.1
1,3,5-Trimethylbenzene	120.2	9	85	9.5	48.2

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	54	10.9
n-Hexane	86.2	6	82	13.7
Benzene	78.1	6	90	14.9
n-Heptane	100.2	7	94	13.4
Toluene	92.1	7	84	12.0
n-Octane	114.2	8	104	12.9
m,p-xylene	106.2	8	82	10.3
o-xylene	106.2	8	82	10.2
1,3,5-Trimethylbenzene	120.2	9	89	9.9

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08116K\B08116B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 11 Aug 26 11:27 AM
Report Created on: 24 Aug 26 01:05 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08116K\B08116B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.168	912	399	PV	0.031	1.9791
2	3.201	1052	437	VV	0.033	2.2817
3	3.279	1488	485	VV	0.041	3.2282
4	3.361	1450	523	VV	0.038	3.1465
5	4.155	37509	17863	PV	0.033	81.3767
6	5.175	3682	1219	BV	0.043	7.9878

Total area = 46093

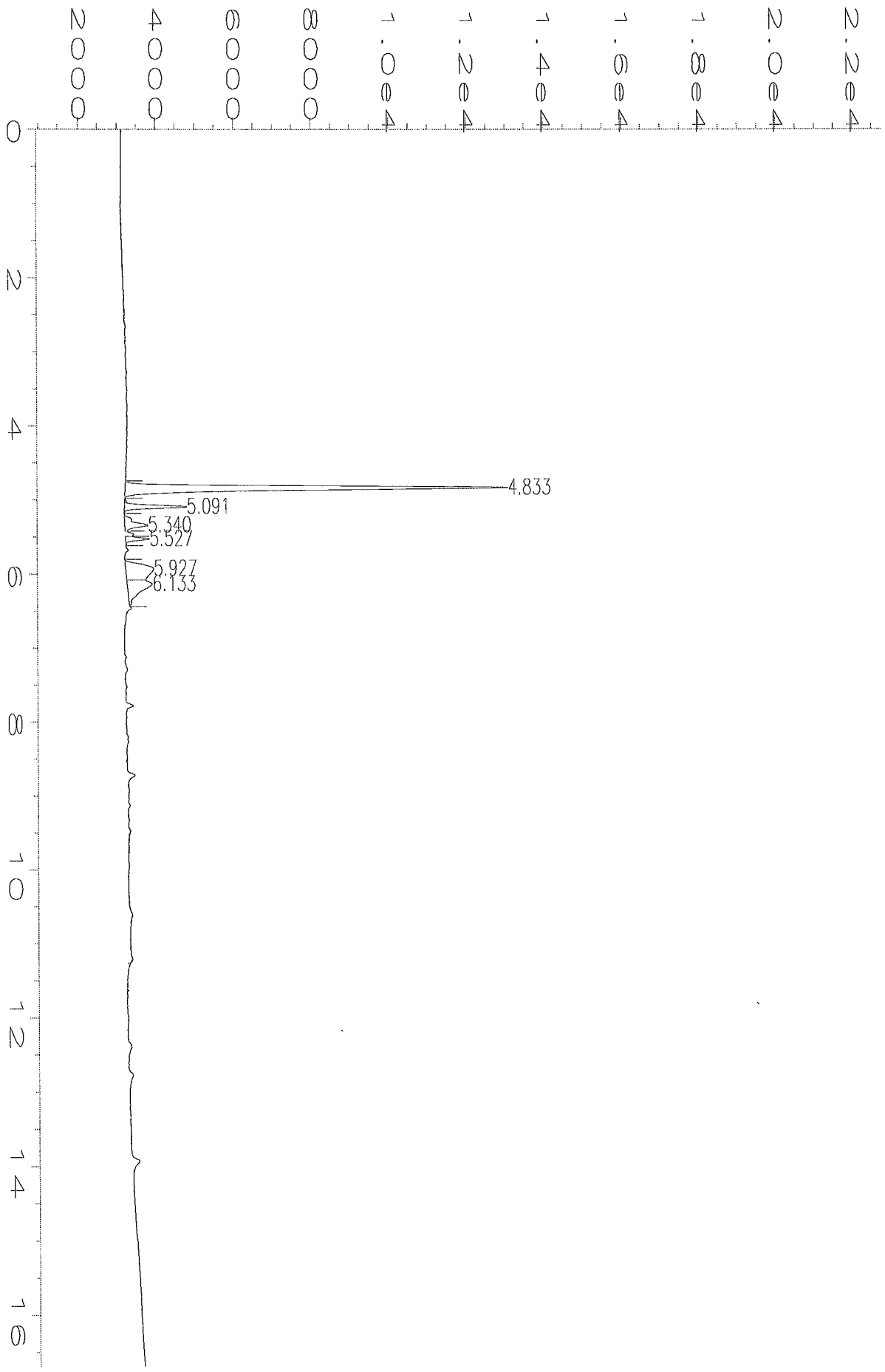
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08116K\B08116A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 11 Aug 26 10:56 AM
Report Created on: 24 Aug 26 01:05 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08116K\B08116A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.833	38220	9862	BV	0.059	61.0838
2	5.091	4753	1605	VV	0.046	7.5963
3	5.340	3069	597	PV	0.073	4.9052
4	5.527	1771	612	VB	0.045	2.8298
5	5.927	8235	718	BV	0.150	13.1615
6	6.133	6522	646	VV	0.125	10.4234

Total area = 62570


4.833
5.091
5.340
5.527
5.927
6.133

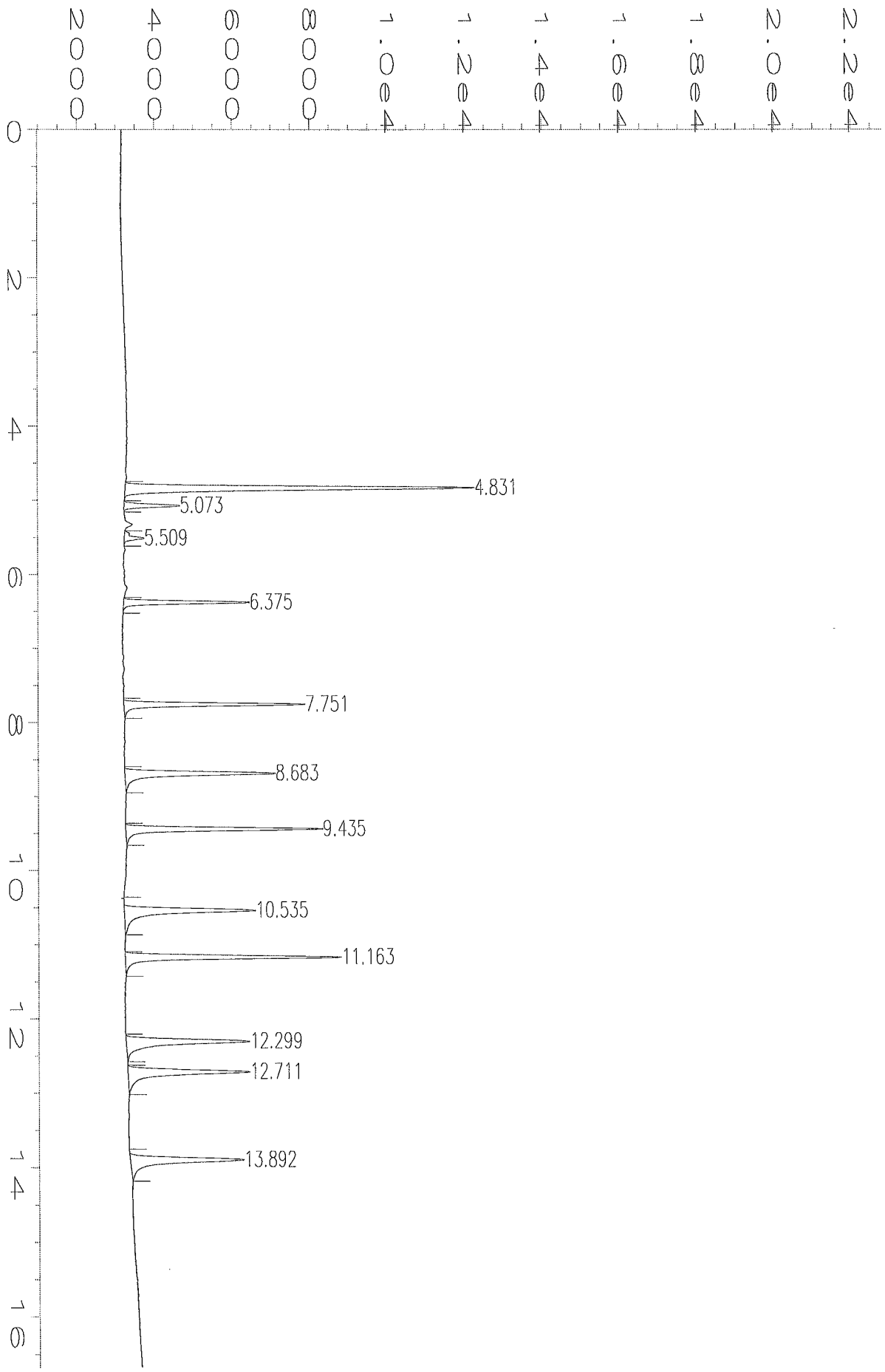
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08116K\QC08116C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 11 Aug 26 10:20 AM
Report Created on: 24 Aug 26 01:04 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08116K\QC08116C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.831	33765	8999	BV	0.057	19.0220
2	5.073	4179	1431	PB	0.046	2.3545
3	5.509	1825	512	VB	0.052	1.0279
4	6.375	9138	3238	BB	0.044	5.1477
5	7.751	14310	4685	BB	0.047	8.0619
6	8.683	15501	3877	BB	0.059	8.7325
7	9.435	16917	5095	BB	0.051	9.5302
8	10.535	16098	3380	BB	0.071	9.0690
9	11.163	19741	5562	BB	0.054	11.1213
10	12.299	15678	3176	BB	0.074	8.8321
11	12.711	15515	3135	BB	0.074	8.7408
12	13.892	14840	2920	BB	0.077	8.3601

Total area = 177506



C:\HPCHEM\1\DATA\0811 6K\QC0811 6C.D

Area Percent Report

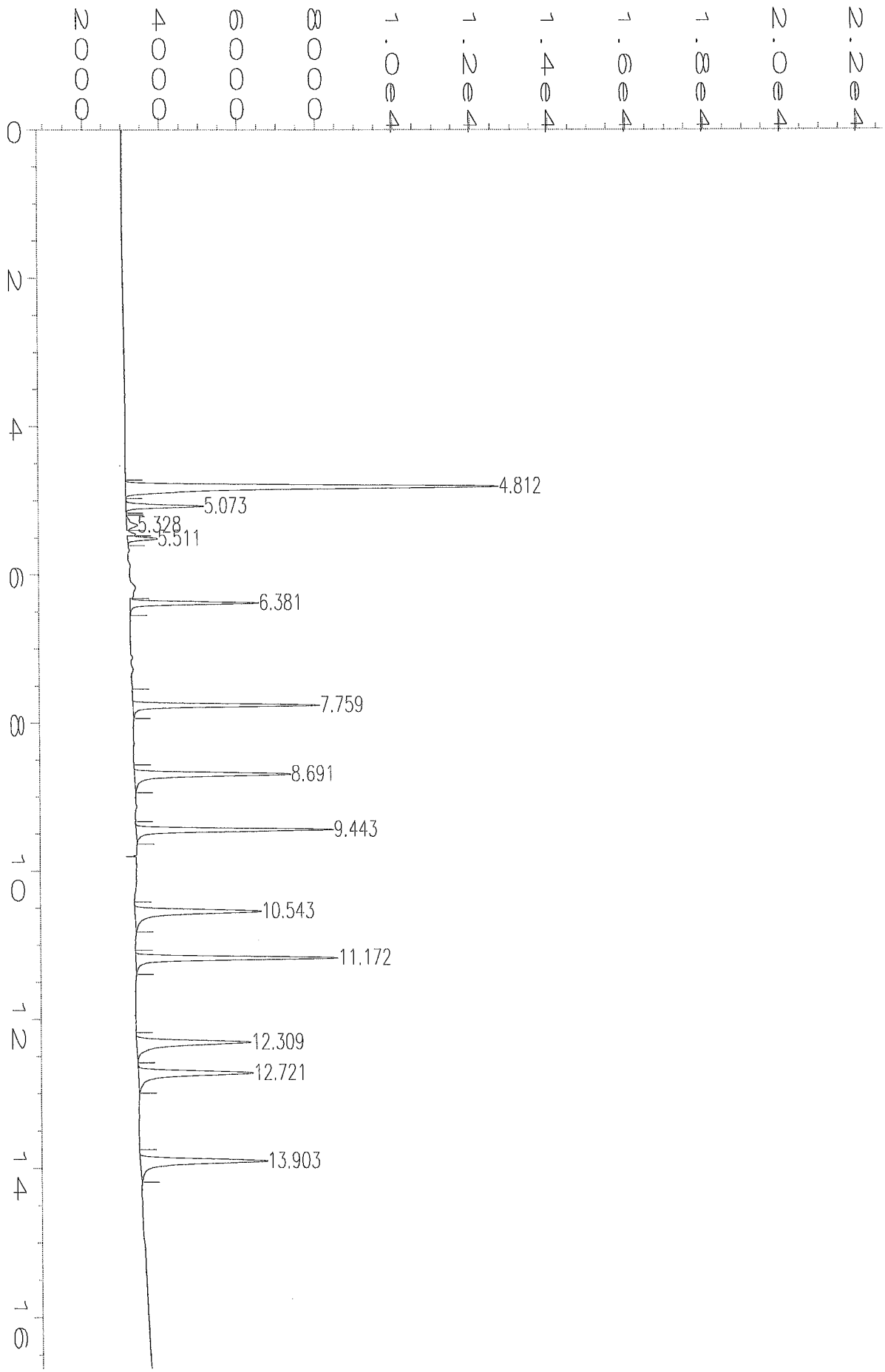
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 11 Aug 26 09:44 AM
Report Created on: 24 Aug 26 01:04 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08116K\QC08116B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.812	38452	9607	BV	0.060	21.3604
2	5.073	5802	1998	PB	0.045	3.2232
3	5.328	1409	291	BV	0.067	0.7825
4	5.511	2251	775	VB	0.045	1.2506
5	6.381	9436	3318	VB	0.044	5.2418
6	7.759	14228	4811	BB	0.045	7.9041
7	8.691	15548	4031	BB	0.059	8.6370
8	9.443	16335	5088	BB	0.050	9.0744
9	10.543	14592	3240	BB	0.068	8.1059
10	11.172	17978	5214	BB	0.053	9.9868
11	12.309	14280	2942	BB	0.072	7.9330
12	12.721	14163	2960	BB	0.071	7.8679
13	13.903	15539	3257	BB	0.073	8.6324

Total area = 180014



C:\HPCHEM\1\DATA\081_16K\CC081_16B.D

Area Percent Report

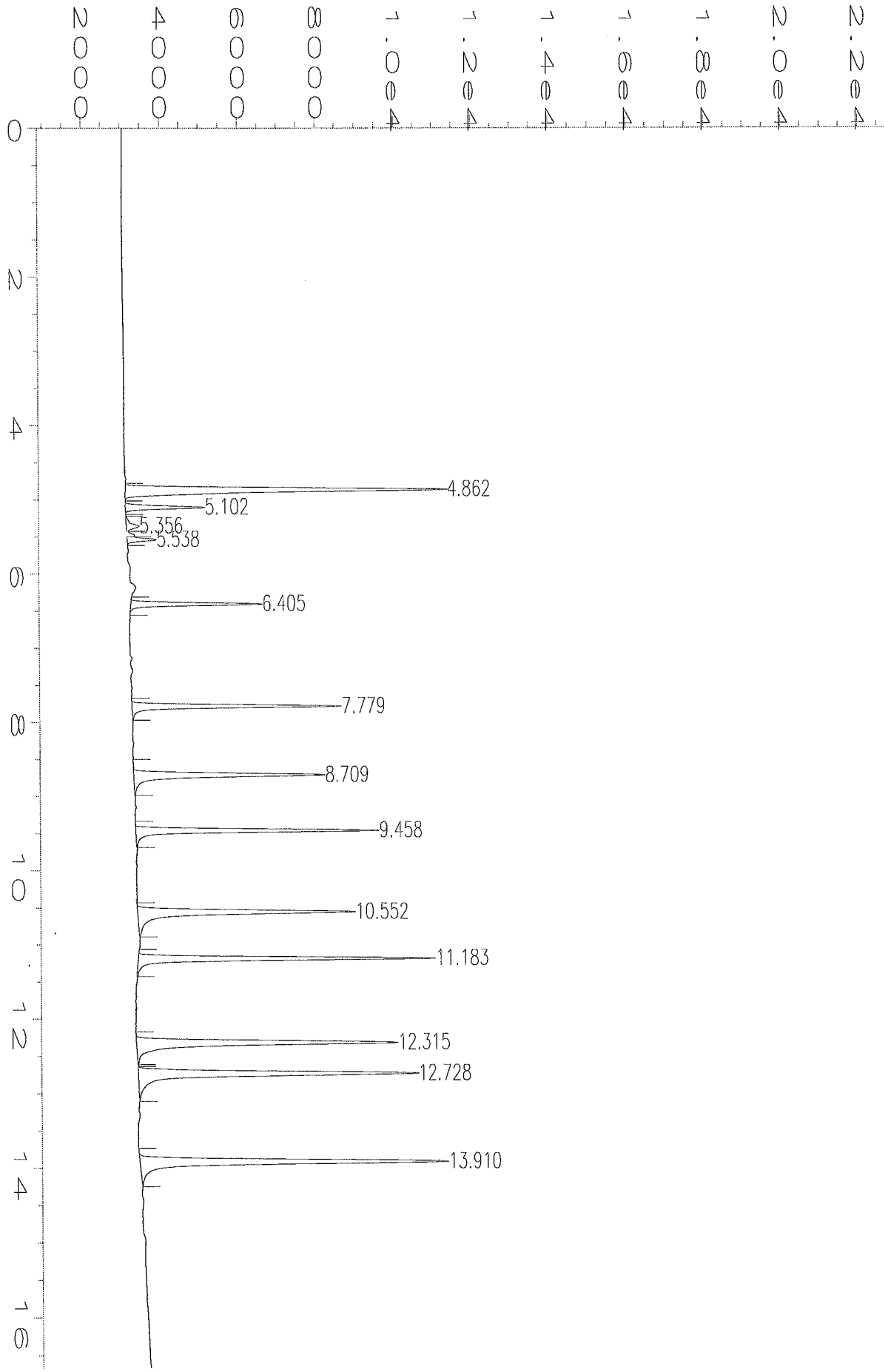
Data File Name : C:\HPCHEM\1\DATA\08116K\QC08116A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 11 Aug 26 08:52 AM
Report Created on: 24 Aug 26 01:04 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08116K\QC08116A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.862	33568	8294	BV	0.060	13.0512
2	5.102	6002	2030	PB	0.046	2.3334
3	5.356	1573	325	BV	0.069	0.6116
4	5.538	2112	730	VB	0.044	0.8211
5	6.405	9468	3365	BB	0.044	3.6813
6	7.779	16294	5372	BB	0.047	6.3352
7	8.709	19220	4912	BB	0.059	7.4727
8	9.458	20227	6242	BB	0.050	7.8642
9	10.552	24257	5570	BB	0.064	9.4312
10	11.183	25867	7627	BB	0.052	10.0569
11	12.315	30061	6694	BB	0.067	11.6877
12	12.728	32678	7197	BB	0.069	12.7054
13	13.910	35875	7922	BB	0.067	13.9481

Total area = 257202



C:\HPCHEM\1\DATA\0811 6K\QCC0811 6A.D

Area Percent Report

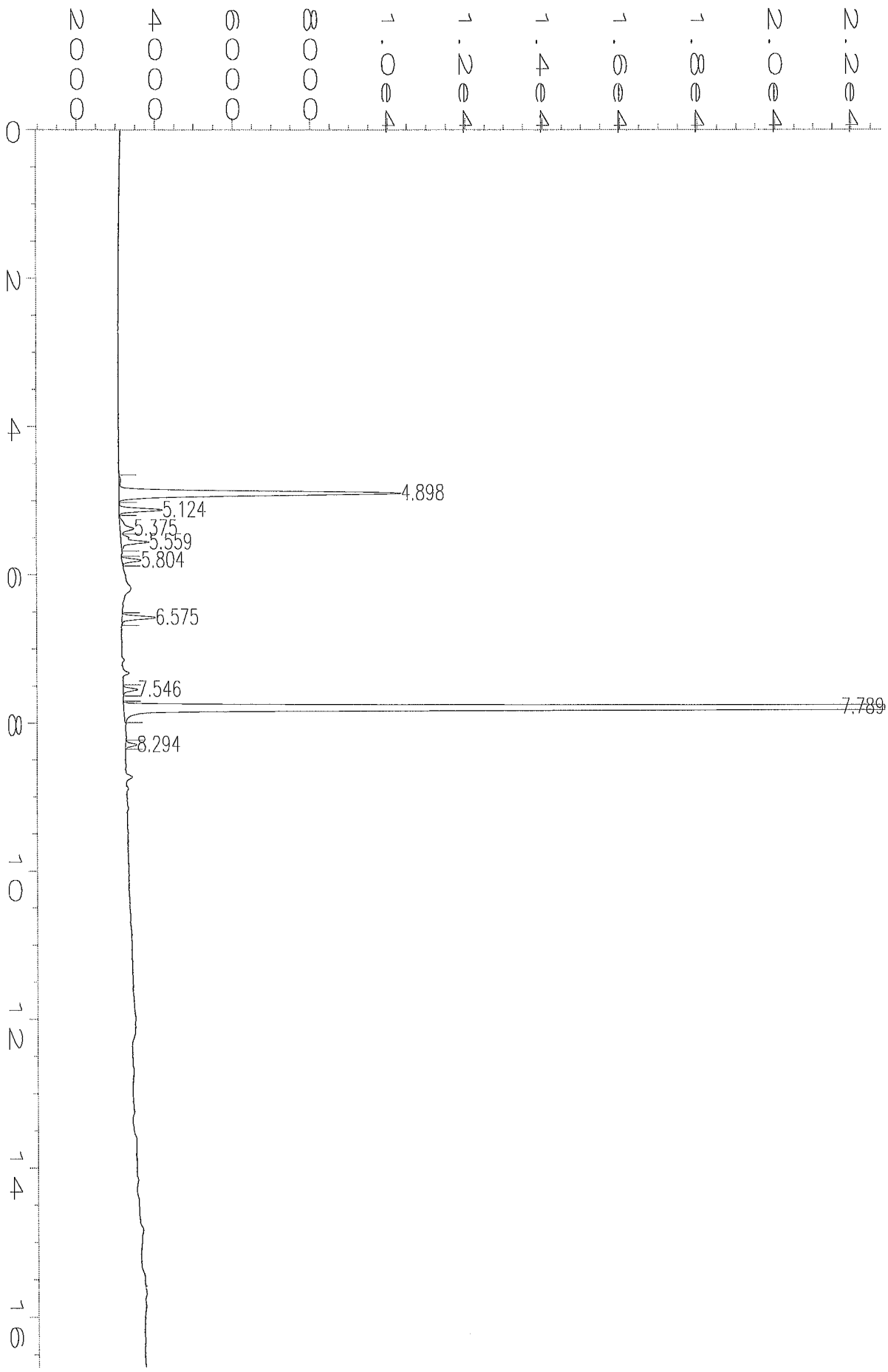
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 11 Aug 26 08:01 AM
Report Created on: 24 Aug 26 01:04 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08116K\C08116A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.898	31019	7257	BV	0.066	9.6502
2	5.124	3440	1106	VV	0.048	1.0703
3	5.375	1966	346	PV	0.076	0.6116
4	5.559	2825	713	VB	0.057	0.8790
5	5.804	1408	480	BB	0.046	0.4381
6	6.575	2702	850	BB	0.050	0.8405
7	7.546	1104	369	BB	0.047	0.3434
8	7.789	276092	96561	BB	0.045	85.8949
9	8.294	874	287	BB	0.048	0.2719

Total area = 321430


4.898
5.124
5.375
5.559
5.804
6.575
7.546
7.789
8.294
C:\HPCHEM\1\DATA\081116K\C08116A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081226-GCK
Date: 08/12/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	84		82		70	130	3	25	
110-54-3	n-Hexane	86		87		70	130	1	25	
71-43-2	Benzene	80		85		70	130	4	25	
142-82-5	n-Heptane	92		88		70	130	4	25	
108-88-3	Toluene	92		82		70	130	9	25	
111-65-9	n-Octane	92		85		70	130	7	25	
108-38-3	m,p-xylene	84		81		70	130	3	25	
95-47-6	o-xylene	84		83		70	130	1	25	
108-67-8	1,3,5-Trimethylbenzene	75		90		70	130	15	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08126C**	**QC08126B**	**C08126A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08126C**	**QC08126B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/12/2026**		
QCBatch:	**081226-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**293658**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**9557**	**9265**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**14705**	**14793**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**15851**	**16692**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**17437**	**16667**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**16422**	**14788**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**19839**	**18415**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**15804**	**15225**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**15888**	**15650**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**15697**	**18732**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	55	11.0	33.5
n-Hexane	86.2	6	85	14.1	51.4
Benzene	78.1	6	91	15.2	50.2
n-Heptane	100.2	7	100	14.3	60.7
Toluene	92.1	7	95	13.5	52.5
n-Octane	114.2	8	114	14.3	68.9
m,p-xylene	106.2	8	91	11.4	51.0
o-xylene	106.2	8	91	11.4	51.3
1,3,5-Trimethylbenzene	120.2	9	90	10.0	51.0

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	53	10.7
n-Hexane	86.2	6	85	14.2
Benzene	78.1	6	96	16.0
n-Heptane	100.2	7	96	13.7
Toluene	92.1	7	85	12.2
n-Octane	114.2	8	106	13.3
m,p-xylene	106.2	8	88	11.0
o-xylene	106.2	8	90	11.3
1,3,5-Trimethylbenzene	120.2	9	108	12.0

Area Percent Report

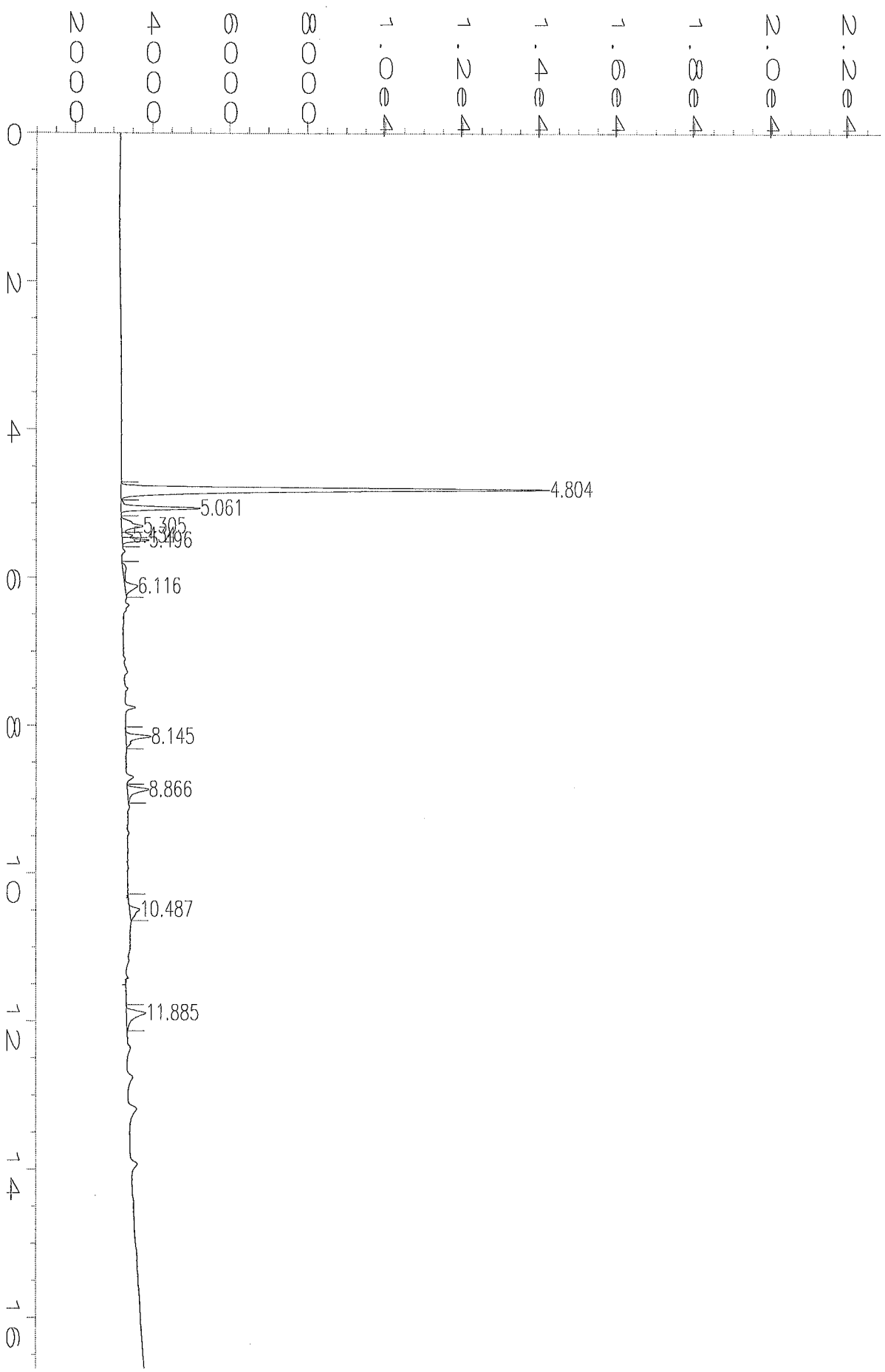
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Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 12 Aug 26 10:35 AM
Report Created on: 12 Aug 26 10:52 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08126K\B08126A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.804	40356	11074	BV	0.054	62.3654
2	5.061	6038	2040	VV	0.046	9.3304
3	5.305	3038	550	PV	0.078	4.6947
4	5.434	816	270	VV	0.044	1.2618
5	5.496	1934	681	VB	0.043	2.9894
6	6.116	2532	318	BB	0.108	3.9125
7	8.145	2770	644	BB	0.063	4.2804
8	8.866	2602	544	PB	0.069	4.0211
9	10.487	1417	256	BB	0.073	2.1904
10	11.885	3206	491	BB	0.091	4.9540

Total area = 64709


4.804
5.061
5.305
5.496
6.116
8.145
8.866
10.487
11.885
C:\HPCHEM\1\DATA\DS1268K\BO81268A.D

Area Percent Report

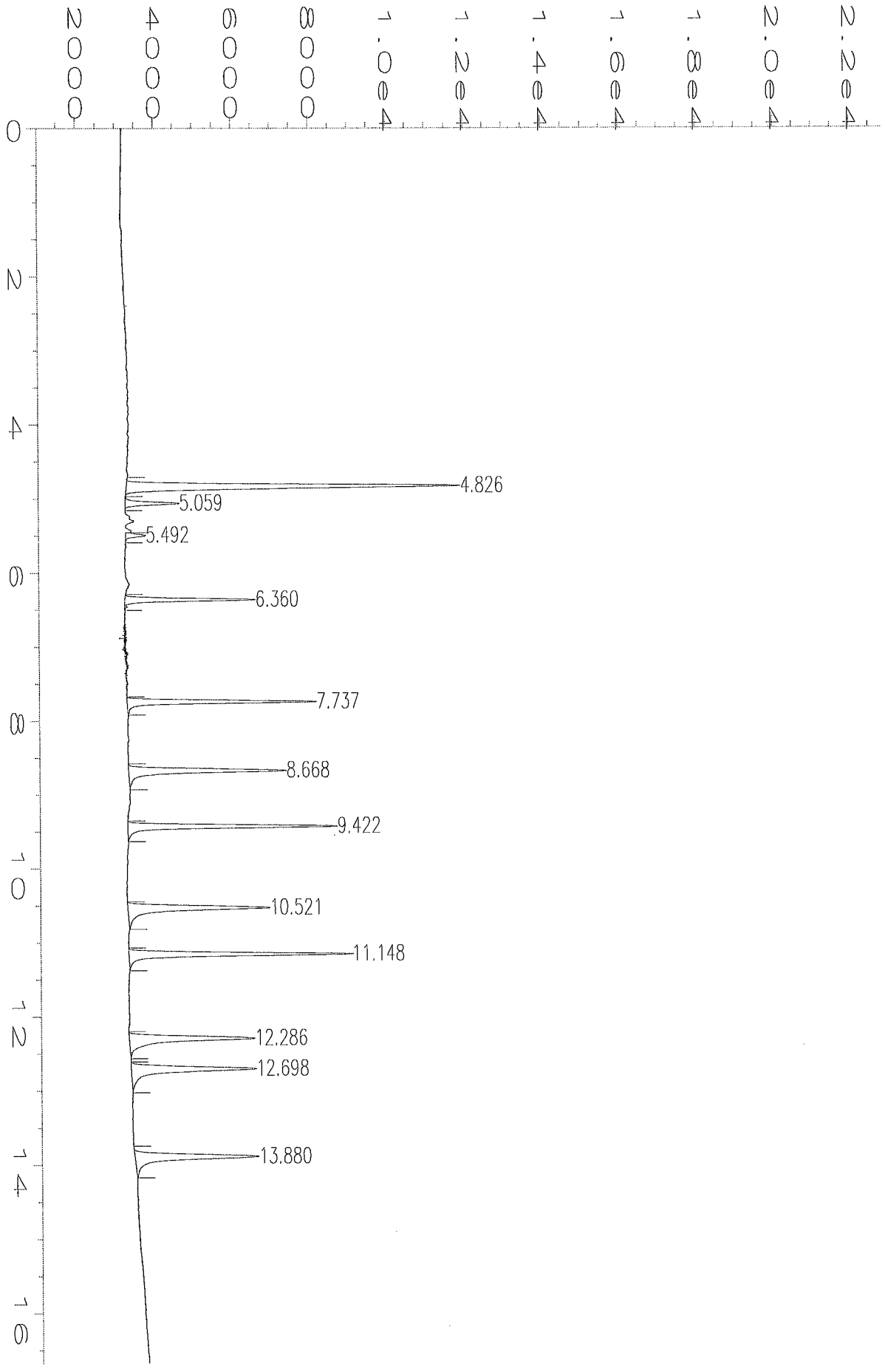
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 12 Aug 26 09:52 AM
Report Created on: 12 Aug 26 10:09 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08126K\QC08126C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.826	33372	8614	BV	0.059	18.5233
2	5.059	4092	1392	PB	0.046	2.2712
3	5.492	1500	504	VB	0.044	0.8324
4	6.360	9557	3355	BB	0.044	5.3047
5	7.737	14705	4886	BB	0.046	8.1617
6	8.668	15851	4073	BB	0.059	8.7983
7	9.422	17437	5412	BB	0.050	9.6786
8	10.521	16422	3668	BB	0.066	9.1148
9	11.148	19839	5817	BB	0.053	11.0116
10	12.286	15804	3233	BB	0.074	8.7719
11	12.698	15888	3233	BB	0.074	8.8189
12	13.880	15697	3195	BB	0.073	8.7127

Total area = 180164


4.826
5.059
5.492
6.360
7.737
8.668
9.422
10.521
11.148
12.286
12.698
13.880
C:\HPCHEM\1\DATA\081126K\QC0812 6C.D

Area Percent Report

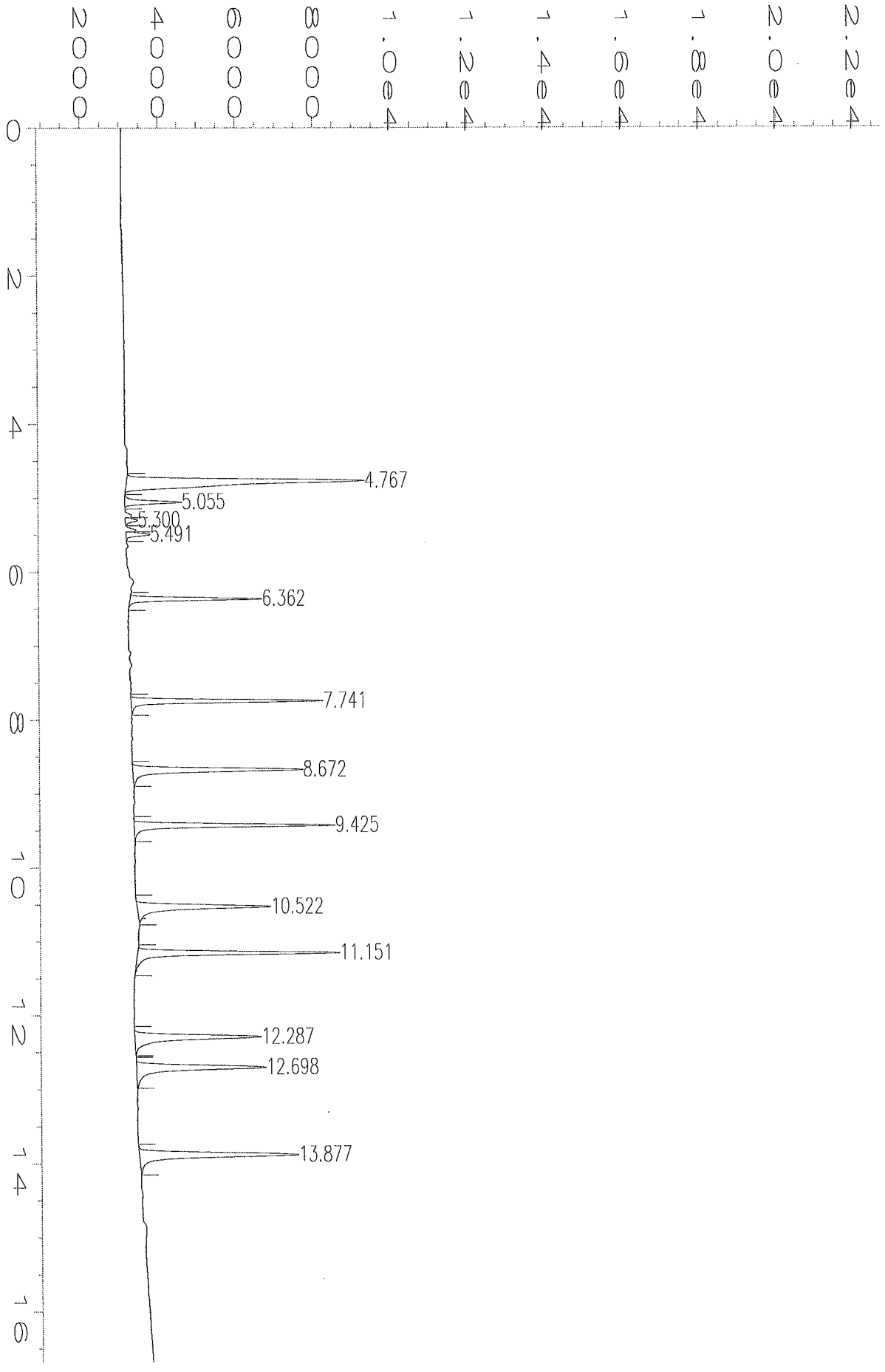
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 12 Aug 26 09:18 AM
Report Created on: 12 Aug 26 09:35 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08126K\QC08126B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.767	32197	6128	BV	0.076	17.9132
2	5.055	4491	1480	PB	0.047	2.4985
3	5.300	1036	304	VV	0.050	0.5763
4	5.491	1789	610	VB	0.045	0.9953
5	6.362	9265	3404	BB	0.043	5.1548
6	7.741	14793	4970	BB	0.046	8.2302
7	8.672	16692	4402	BB	0.057	9.2867
8	9.425	16667	5207	BB	0.049	9.2729
9	10.522	14788	3447	BB	0.065	8.2274
10	11.151	18415	5230	BB	0.054	10.2455
11	12.287	15225	3259	BB	0.071	8.4705
12	12.698	15650	3339	BB	0.071	8.7070
13	13.877	18732	4114	BB	0.069	10.4217

Total area = 179738


4.767
5.055
5.300
5.491
6.362
7.741
8.672
9.425
10.522
11.151
12.287
12.698
13.877
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Area Percent Report

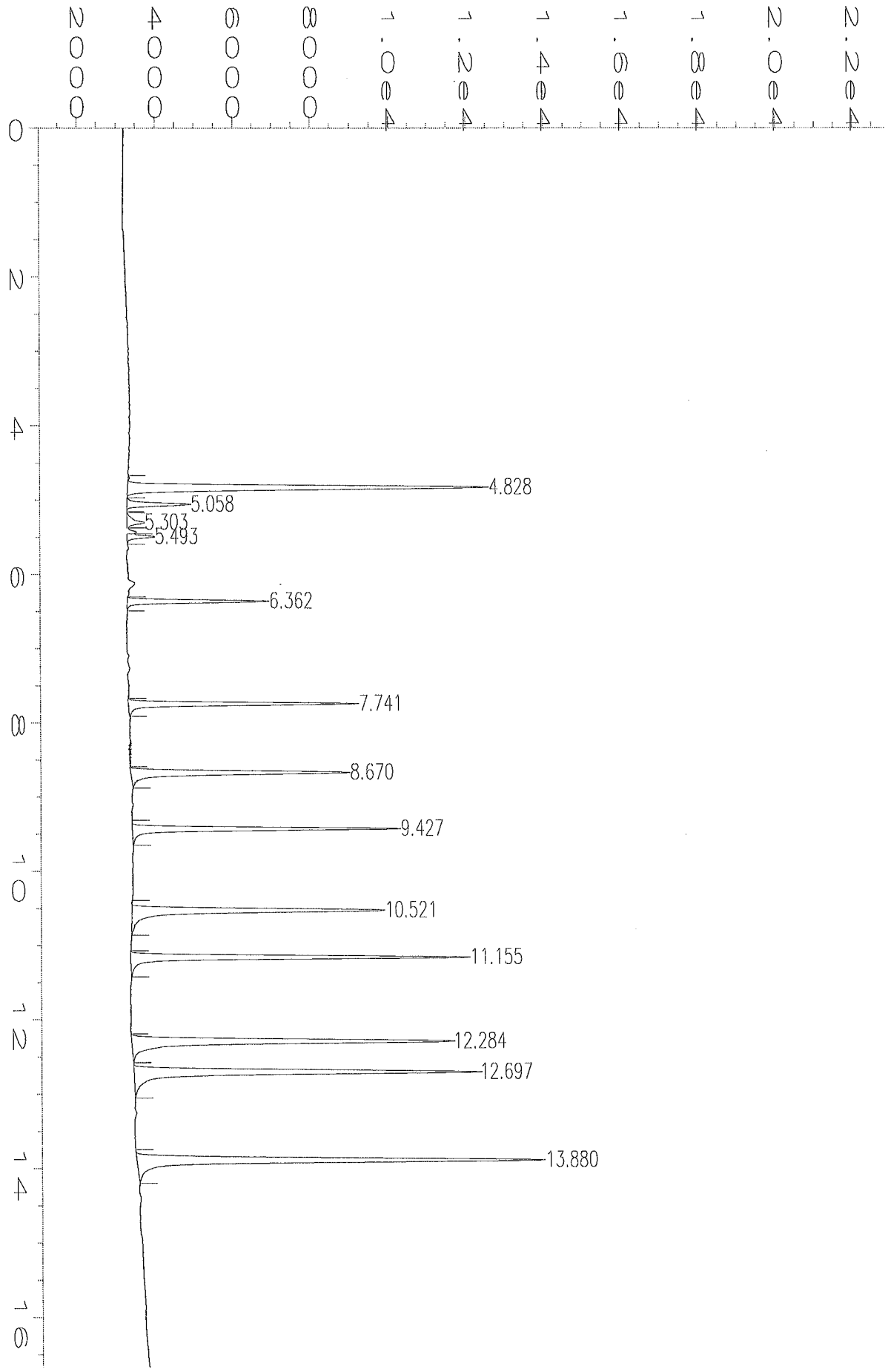
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 12 Aug 26 08:36 AM
Report Created on: 12 Aug 26 08:53 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08126K\QC08126A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.828	37279	9295	BV	0.062	12.5790
2	5.058	4817	1632	PB	0.046	1.6253
3	5.303	1896	438	BV	0.061	0.6399
4	5.493	2028	693	VB	0.045	0.6843
5	6.362	10225	3649	BB	0.044	3.4503
6	7.741	17727	5921	BB	0.046	5.9816
7	8.670	21193	5636	BB	0.058	7.1511
8	9.427	22004	6892	BB	0.049	7.4246
9	10.521	27213	6490	BB	0.063	9.1822
10	11.155	29856	8722	BB	0.053	10.0742
11	12.284	36486	8311	BB	0.065	12.3112
12	12.697	39601	8947	BB	0.067	13.3623
13	13.880	46037	10497	BB	0.067	15.5340

Total area = 296362


4.828
5.058
5.303
5.493
6.362
7.741
8.670
9.427
10.521
11.155
12.284
12.697
13.880
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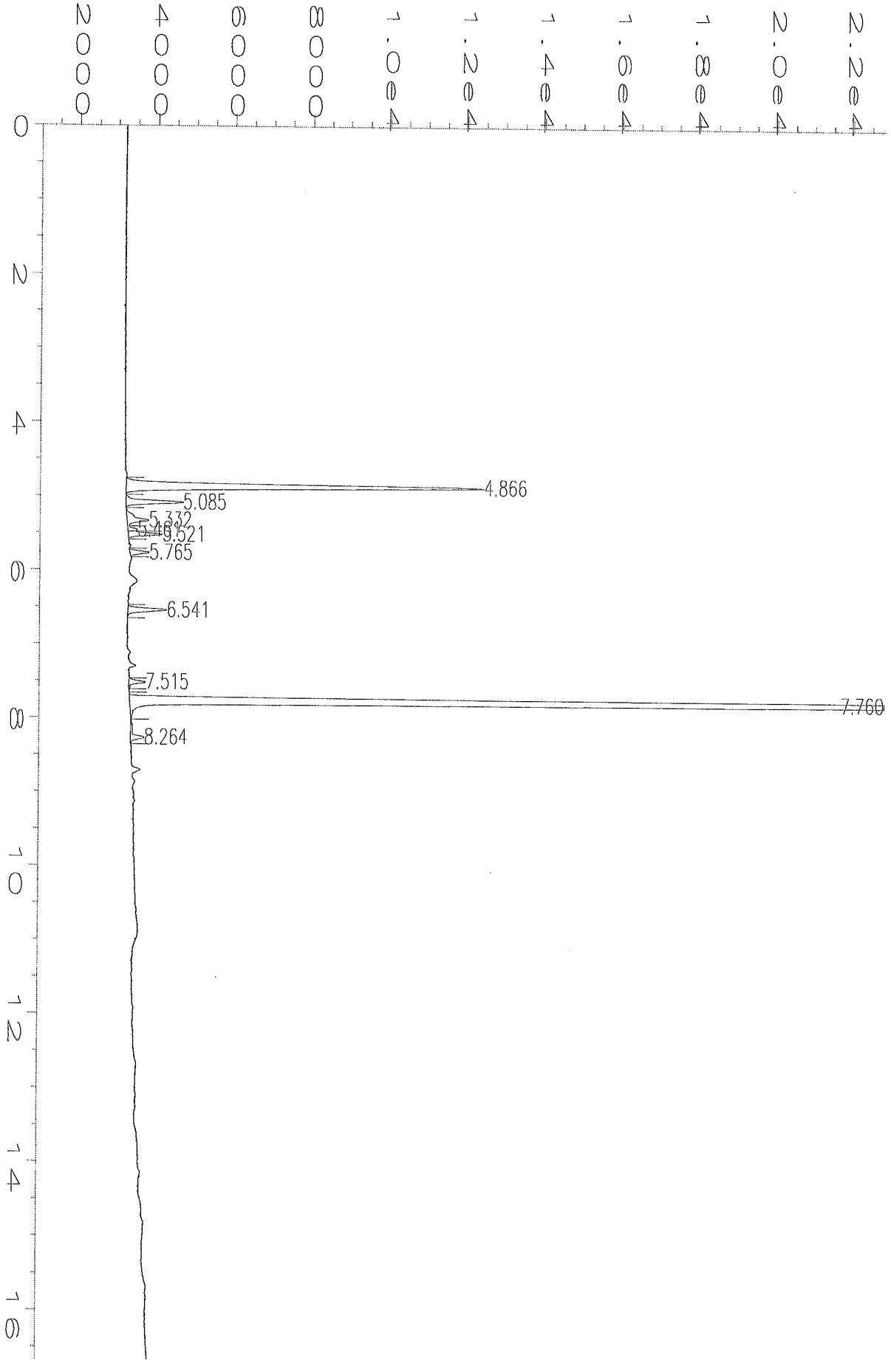
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08126K\C08126A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 12 Aug 26 08:01 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 12 Aug 26 08:17 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08126K\C08126A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.866	35824	9237	BV	0.060	10.3362
2	5.085	4548	1468	PV	0.049	1.3123
3	5.332	2510	540	PV	0.065	0.7241
4	5.461	633	234	VV	0.045	0.1826
5	5.521	2364	851	VB	0.043	0.6820
6	5.765	1357	477	BV	0.045	0.3916
7	6.541	3084	978	BB	0.050	0.8897
8	7.515	1213	409	BB	0.047	0.3499
9	7.760	293658	105639	BB	0.044	84.7293
10	8.264	1394	332	BB	0.061	0.4023

Total area = 346583


4.866
5.085
5.332
5.521
5.765
6.541
7.515
7.760
8.264
C:\HPCHEM\1\DATA\CB1226K\CO81226A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081326-GCK
Date: 08/13/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	78		82		70	130	5	25	
110-54-3	n-Hexane	81		90		70	130	9	25	
71-43-2	Benzene	77		74		70	130	3	25	
142-82-5	n-Heptane	86		82		70	130	4	25	
108-88-3	Toluene	89		78		70	130	11	25	
111-65-9	n-Octane	85		78		70	130	7	25	
108-38-3	m,p-xylene	88		81		70	130	7	25	
95-47-6	o-xylene	88		79		70	130	9	25	
108-67-8	1,3,5-Trimethylbenzene	82		79		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08136C**	**QC08136B**	**C08136A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08136C**	**QC08136B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/13/2026**		
QCBatch:	**081326-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**284170**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**8804**	**9323**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**13792**	**15356**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**15168**	**14627**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**16312**	**15533**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**15936**	**13939**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**18451**	**16891**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**16612**	**15285**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**16507**	**14859**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**16983**	**16389**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	51	10.1	30.9
n-Hexane	86.2	6	79	13.2	48.2
Benzene	78.1	6	87	14.6	48.0
n-Heptane	100.2	7	94	13.4	56.8
Toluene	92.1	7	92	13.1	51.0
n-Octane	114.2	8	106	13.3	64.0
m,p-xylene	106.2	8	96	12.0	53.6
o-xylene	106.2	8	95	11.9	53.3
1,3,5-Trimethylbenzene	120.2	9	98	10.9	55.2

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	54	10.7
n-Hexane	86.2	6	88	14.7
Benzene	78.1	6	84	14.0
n-Heptane	100.2	7	89	12.8
Toluene	92.1	7	80	11.5
n-Octane	114.2	8	97	12.2
m,p-xylene	106.2	8	88	11.0
o-xylene	106.2	8	86	10.7
1,3,5-Trimethylbenzene	120.2	9	94	10.5

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08136K\B08136B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 13 Aug 26 11:16 AM
Report Created on: 13 Aug 26 11:53 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08136K\B08136B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.151	945	401	VV	0.036	1.4575
2	3.258	2339	618	VV	0.053	3.6081
3	3.343	1405	528	VV	0.035	2.1674
4	3.416	1862	544	VV	0.045	2.8725
5	3.533	1448	598	VV	0.034	2.2341
6	3.563	946	637	VV	0.025	1.4602
7	3.585	829	653	VV	0.019	1.2796
8	3.654	970	515	VV	0.028	1.4964
9	3.717	3641	647	VV	0.072	5.6173
10	3.858	1626	471	VV	0.045	2.5091
11	4.149	42850	21977	PV	0.031	66.1079
12	5.168	3913	1588	BV	0.038	6.0364
13	7.232	2044	782	PV	0.040	3.1535

Total area = 64818

Area Percent Report

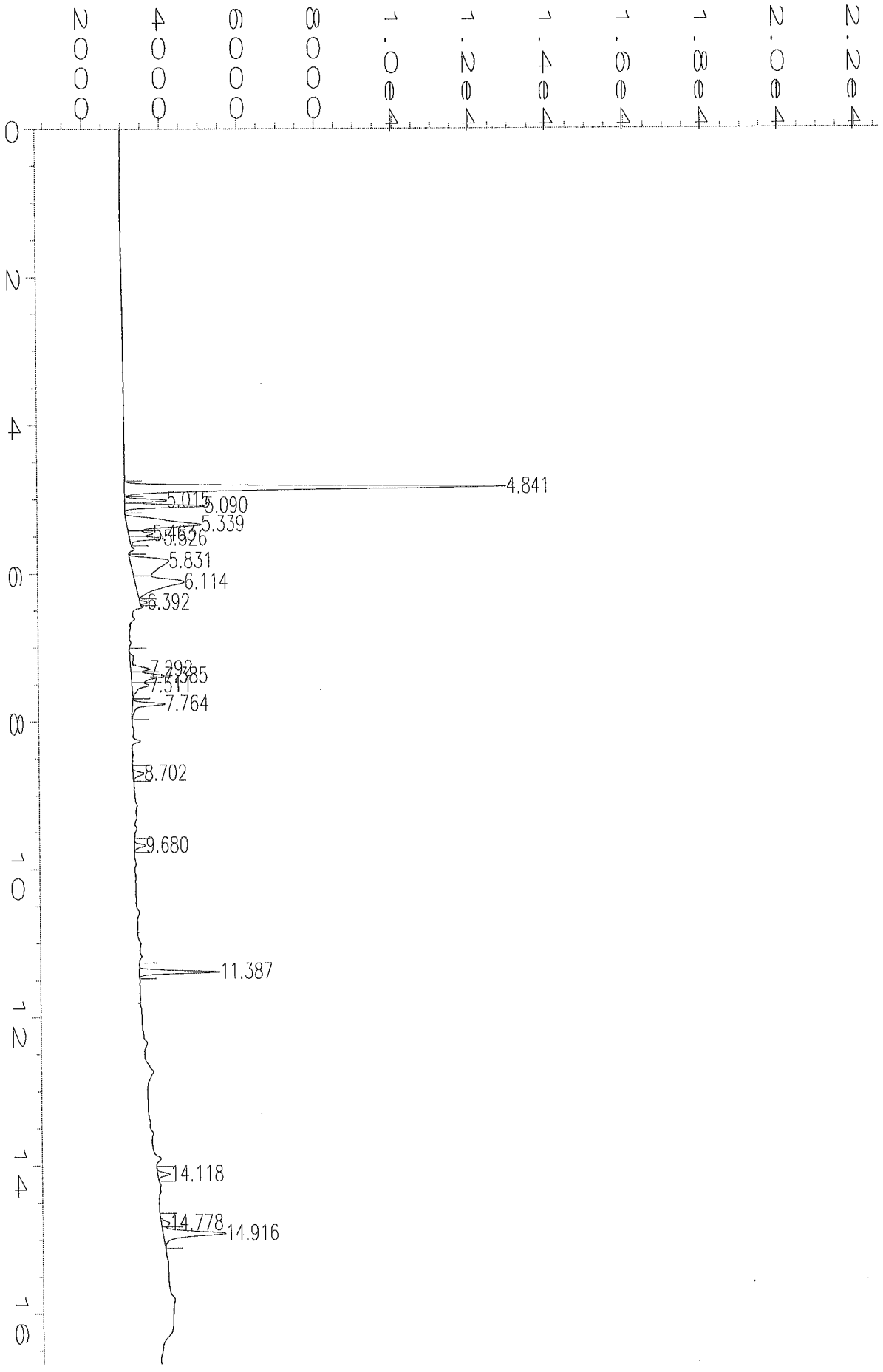
Data File Name : C:\HPCHEM\1\DATA\08136K\B08136A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 13 Aug 26 10:44 AM
Report Created on: 13 Aug 26 11:01 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08136K\B08136A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.841	36044	9899	BV	0.054	31.0183
2	5.015	3053	1092	VV	0.043	2.6271
3	5.090	5983	2055	VV	0.045	5.1491
4	5.339	12763	1911	PV	0.094	10.9837
5	5.463	2042	618	VV	0.048	1.7570
6	5.526	2711	876	VB	0.047	2.3331
7	5.831	11162	1004	PV	0.152	9.6055
8	6.114	11552	1268	VV	0.130	9.9409
9	6.392	428	178	VV	0.039	0.3683
10	7.292	2441	506	BV	0.069	2.1003
11	7.385	4703	855	VV	0.080	4.0472
12	7.511	2291	437	VB	0.072	1.9714
13	7.764	3006	844	BB	0.054	2.5871
14	8.702	1110	286	BB	0.058	0.9551
15	9.680	915	283	BB	0.050	0.7877
16	11.387	5889	2072	BB	0.045	5.0675
17	14.118	1105	333	BV	0.051	0.9512
18	14.778	968	221	BV	0.072	0.8328
19	14.916	8037	1606	VB	0.074	6.9167

Total area = 116203


4.841
5.015
5.090
5.339
5.831
6.114
6.392
7.764
8.702
9.680
11.387
14.118
14.778
14.916
C:\HPCHEM\1\DATA\081736K\B0813 6A.D

Area Percent Report

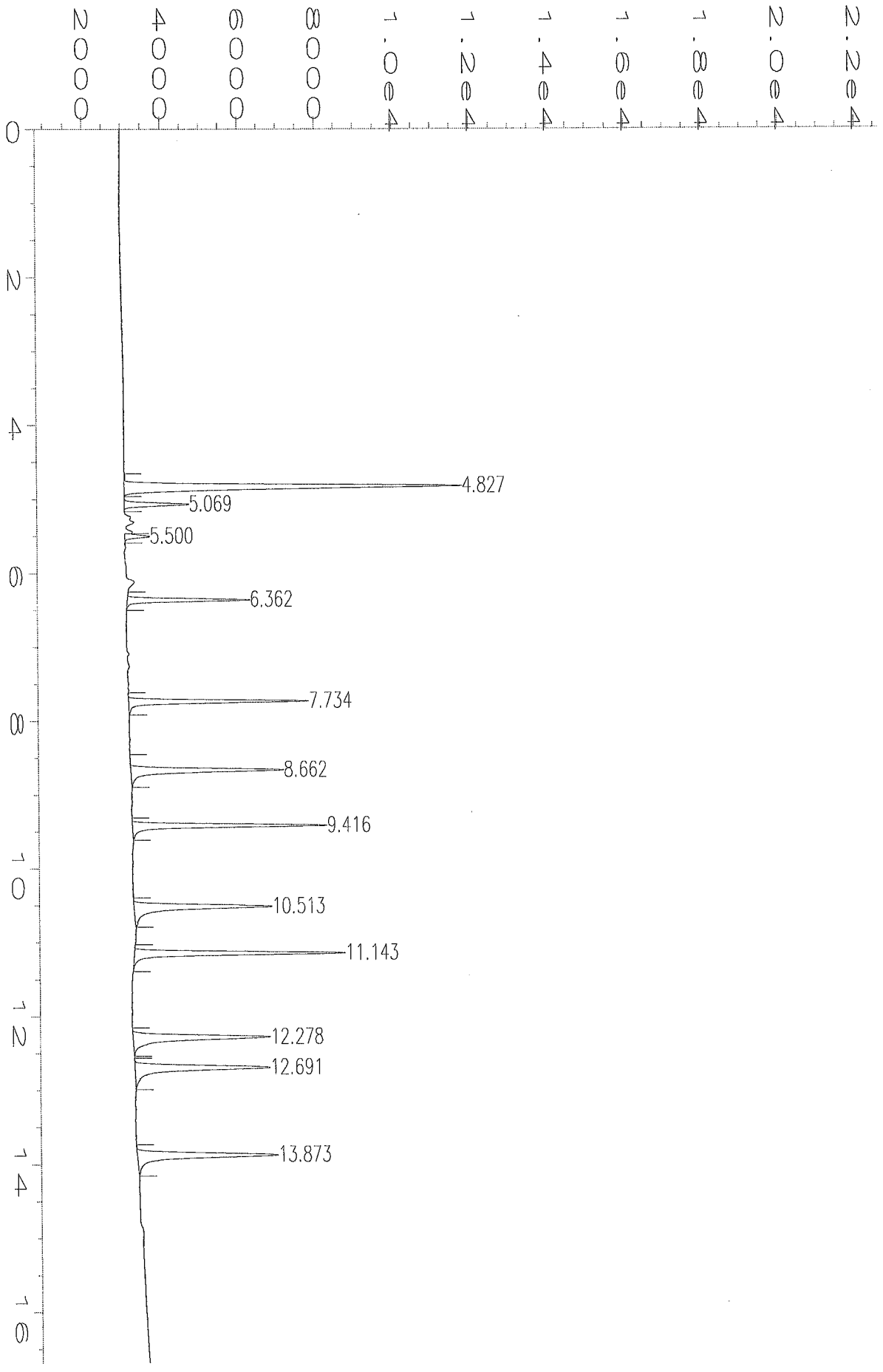
Data File Name : C:\HPCHEM\1\DATA\08136K\QC08136C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 13 Aug 26 10:02 AM
Report Created on: 13 Aug 26 10:19 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08136K\QC08136C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.827	35810	8726	BV	0.061	19.7785
2	5.069	4859	1653	PB	0.046	2.6836
3	5.500	1822	630	VB	0.045	1.0064
4	6.362	8804	3165	BB	0.043	4.8623
5	7.734	13792	4638	BB	0.046	7.6173
6	8.662	15168	3954	BB	0.058	8.3776
7	9.416	16312	5035	BB	0.050	9.0094
8	10.513	15936	3567	BB	0.067	8.8018
9	11.143	18451	5448	BB	0.053	10.1906
10	12.278	16612	3546	BB	0.071	9.1752
11	12.691	16507	3491	BB	0.073	9.1172
12	13.873	16983	3642	BB	0.070	9.3802

Total area = 181057


4.827
5.069
5.500
6.362
7.734
8.662
9.416
10.513
11.143
12.278
12.691
13.873
C:\HPCHEM\1\DATA\081736K\QCC081360.D

Area Percent Report

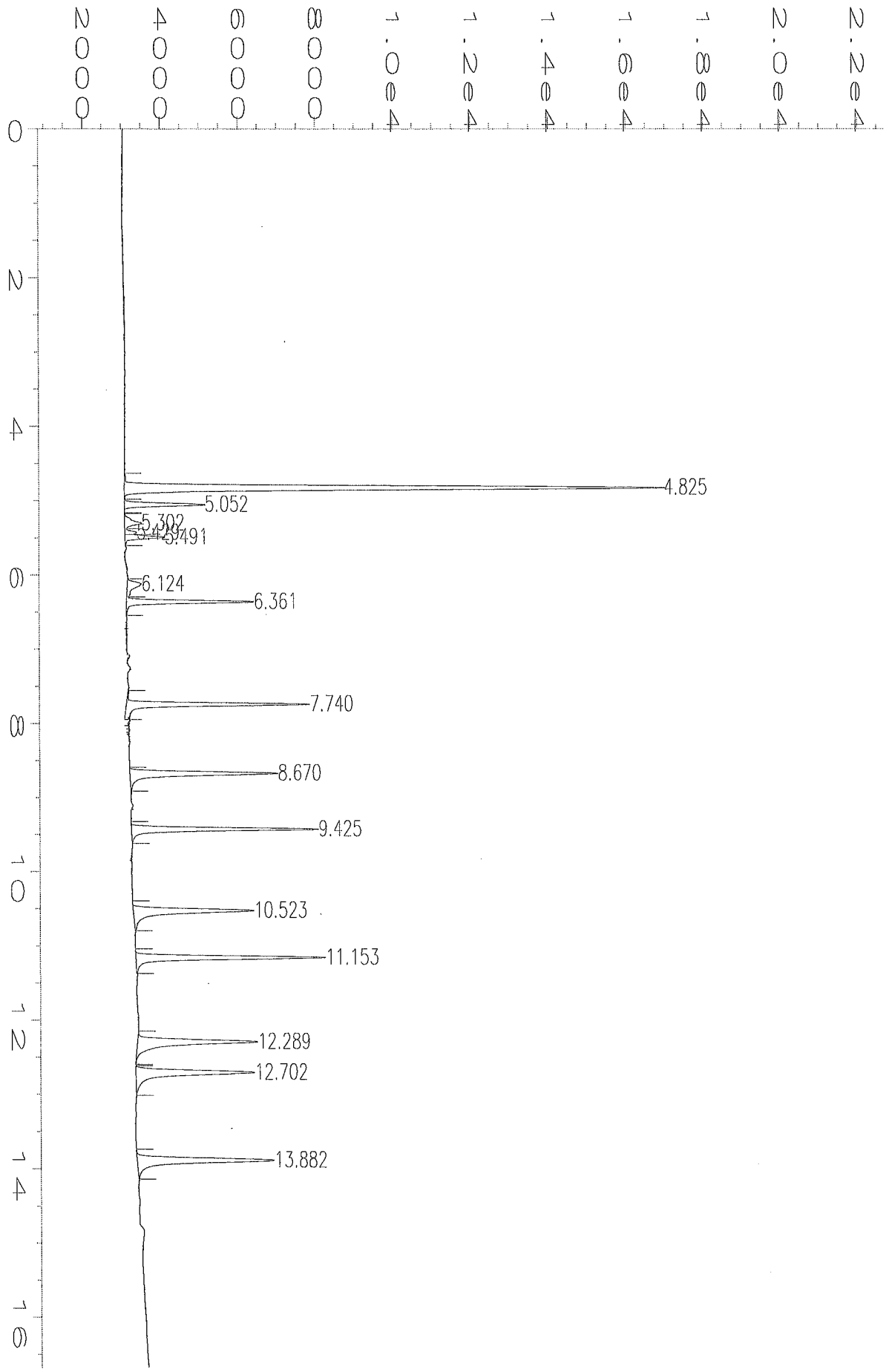
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 13 Aug 26 09:23 AM
Report Created on: 13 Aug 26 09:40 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08136K\QC08136B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.825	52450	13957	BV	0.058	26.3896
2	5.052	5981	2092	PB	0.046	3.0094
3	5.302	2060	446	BV	0.062	1.0365
4	5.429	827	297	VV	0.041	0.4160
5	5.491	2944	1019	VB	0.044	1.4812
6	6.124	2290	353	BV	0.085	1.1524
7	6.361	9323	3286	VB	0.044	4.6905
8	7.740	15356	4730	BV	0.049	7.7260
9	8.670	14627	3817	BB	0.058	7.3594
10	9.425	15533	4834	BB	0.049	7.8151
11	10.523	13939	3111	BB	0.067	7.0131
12	11.153	16891	4901	BB	0.053	8.4984
13	12.289	15285	3095	BB	0.074	7.6905
14	12.702	14859	3066	BB	0.073	7.4762
15	13.882	16389	3542	BB	0.070	8.2457

Total area = 198754


4.825
5.052
5.302
5.491
6.124
6.361
7.740
8.670
9.425
10.523
11.153
12.289
12.702
13.882
C:\HPCHEM\1\DATA\DB1236K\QCO81 36B.D

Area Percent Report

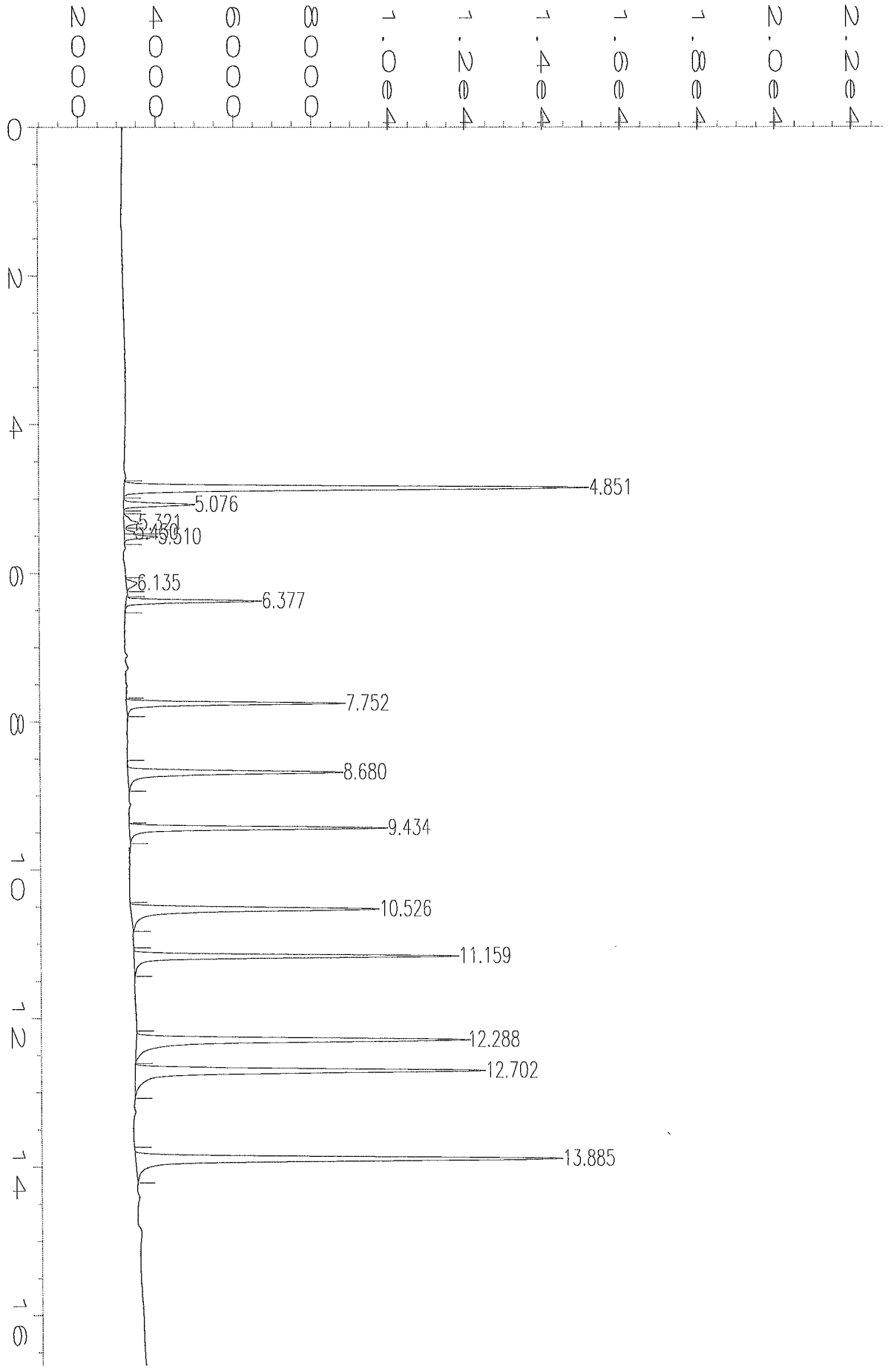
Data File Name : C:\HPCHEM\1\DATA\08136K\C08136B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 13 Aug 26 08:42 AM
Report Created on: 13 Aug 26 08:59 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08136K\C08136B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.851	44883	11982	BV	0.057	14.6408
2	5.076	5314	1823	PB	0.045	1.7333
3	5.321	1838	367	BV	0.069	0.5996
4	5.450	742	269	VV	0.040	0.2421
5	5.510	2514	860	VB	0.045	0.8200
6	6.135	1367	266	BB	0.073	0.4460
7	6.377	9618	3482	BB	0.043	3.1372
8	7.752	16822	5641	BB	0.046	5.4872
9	8.680	21068	5530	BB	0.058	6.8723
10	9.434	21286	6638	BB	0.049	6.9434
11	10.526	26901	6385	BB	0.063	8.7751
12	11.159	28550	8376	BB	0.052	9.3129
13	12.288	37835	8602	BV	0.066	12.3419
14	12.702	39923	9032	PB	0.067	13.0228
15	13.885	47901	11005	BB	0.068	15.6253

Total area = 306562


4.851
5.076
5.321
5.450
5.610
6.135
6.377
7.752
8.680
9.434
10.526
11.159
12.288
12.702
13.885
C:\HPCHEM\1\DATA\OR176K\CO81 36B.D

Area Percent Report

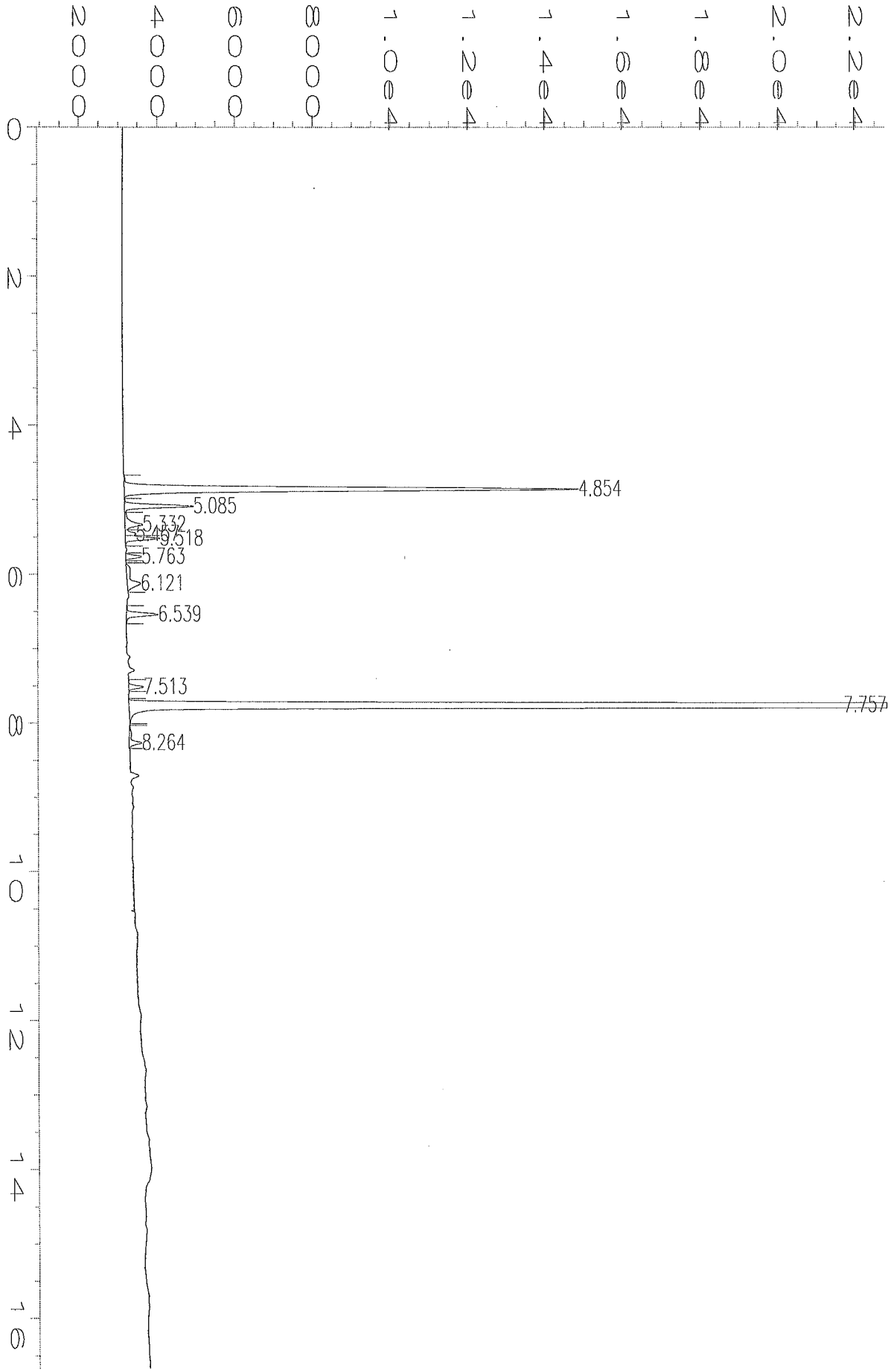
Data File Name : C:\HPCHEM\1\DATA\08136K\C08136A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 13 Aug 26 08:05 AM
Report Created on: 13 Aug 26 08:21 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08136K\C08136A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.854	43319	11700	BV	0.057	12.4678
2	5.085	5310	1772	VV	0.046	1.5283
3	5.332	2248	457	VV	0.070	0.6470
4	5.457	807	273	VV	0.040	0.2321
5	5.518	2578	881	VB	0.045	0.7419
6	5.763	1154	403	BB	0.044	0.3323
7	6.121	2753	338	BV	0.106	0.7925
8	6.539	2650	811	BB	0.050	0.7626
9	7.513	1027	374	BB	0.042	0.2955
10	7.757	284170	99846	BB	0.044	81.7881
11	8.264	1432	322	BB	0.062	0.4121

Total area = 347446


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
4.854
5.085
5.332
5.518
5.763
6.121
6.539
7.513
7.757
8.264
C:\HPCHEM\1\DATA\DS1736K\CO81736A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 081926-GCK
Date: 08/19/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	112		94		70	130	18	25	
110-54-3	n-Hexane	117		99		70	130	18	25	
71-43-2	Benzene	107		88		70	130	19	25	
142-82-5	n-Heptane	120		96		70	130	24	25	
108-88-3	Toluene	111		91		70	130	21	25	
111-65-9	n-Octane	113		89		70	130	24	25	
108-38-3	m,p-xylene	121		99		70	130	22	25	
95-47-6	o-xylene	116		93		70	130	22	25	
108-67-8	1,3,5-Trimethylbenzene	128		105		70	130	23	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08196A**	**QC08196B**	**C08196A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08196A**	**QC08196B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/19/2026**		
QCBatch:	**081926-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**313553**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	A LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**12769**	**10677**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**19944**	**16877**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**21034**	**17317**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**22633**	**18080**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**19977**	**16242**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**24512**	**19360**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**22804**	**18620**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**21823**	**17617**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**26613**	**21811**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	74	14.7	44.8
n-Hexane	86.2	6	115	19.1	69.7
Benzene	78.1	6	121	20.2	66.6
n-Heptane	100.2	7	130	18.6	78.8
Toluene	92.1	7	115	16.4	63.9
n-Octane	114.2	8	141	17.6	85.1
m,p-xylene	106.2	8	131	16.4	73.6
o-xylene	106.2	8	126	15.7	70.4
1,3,5-Trimethylbenzene	120.2	9	153	17.0	86.4

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	61	12.3
n-Hexane	86.2	6	97	16.2
Benzene	78.1	6	100	16.6
n-Heptane	100.2	7	104	14.9
Toluene	92.1	7	94	13.4
n-Octane	114.2	8	111	13.9
m,p-xylene	106.2	8	107	13.4
o-xylene	106.2	8	101	12.7
1,3,5-Trimethylbenzene	120.2	9	126	14.0

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08196K\B08196B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 19 Aug 26 11:02 AM
Report Created on: 24 Aug 26 12:24 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08196K\B08196B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.037	872	294	BV	0.046	0.8846
2	3.263	844	416	VV	0.034	0.8557
3	3.329	2366	655	VV	0.048	2.3996
4	3.431	2109	671	VV	0.043	2.1388
5	3.526	1833	694	VV	0.036	1.8584
6	3.604	1924	694	VV	0.038	1.9512
7	3.811	864	593	VV	0.021	0.8765
8	3.837	2093	810	VV	0.043	2.1220
9	4.023	2977	757	VV	0.051	3.0190
10	4.228	44291	20834	VV	0.034	44.9135
11	4.419	1723	464	VV	0.051	1.7472
12	4.609	1048	580	VV	0.032	1.0626
13	4.632	976	437	VV	0.037	0.9894
14	4.804	2654	903	VV	0.039	2.6916
15	5.016	1851	412	VV	0.069	1.8772
16	5.156	7035	2224	PV	0.045	7.1335
17	5.246	10107	3716	VV	0.040	10.2493
18	5.412	1787	402	VB	0.056	1.8124
19	7.214	1597	426	BV	0.049	1.6198
20	8.430	921	389	VV	0.035	0.9342
21	8.526	4827	1088	VV	0.062	4.8949
22	8.588	3914	1022	VB	0.051	3.9686

Total area = 98615

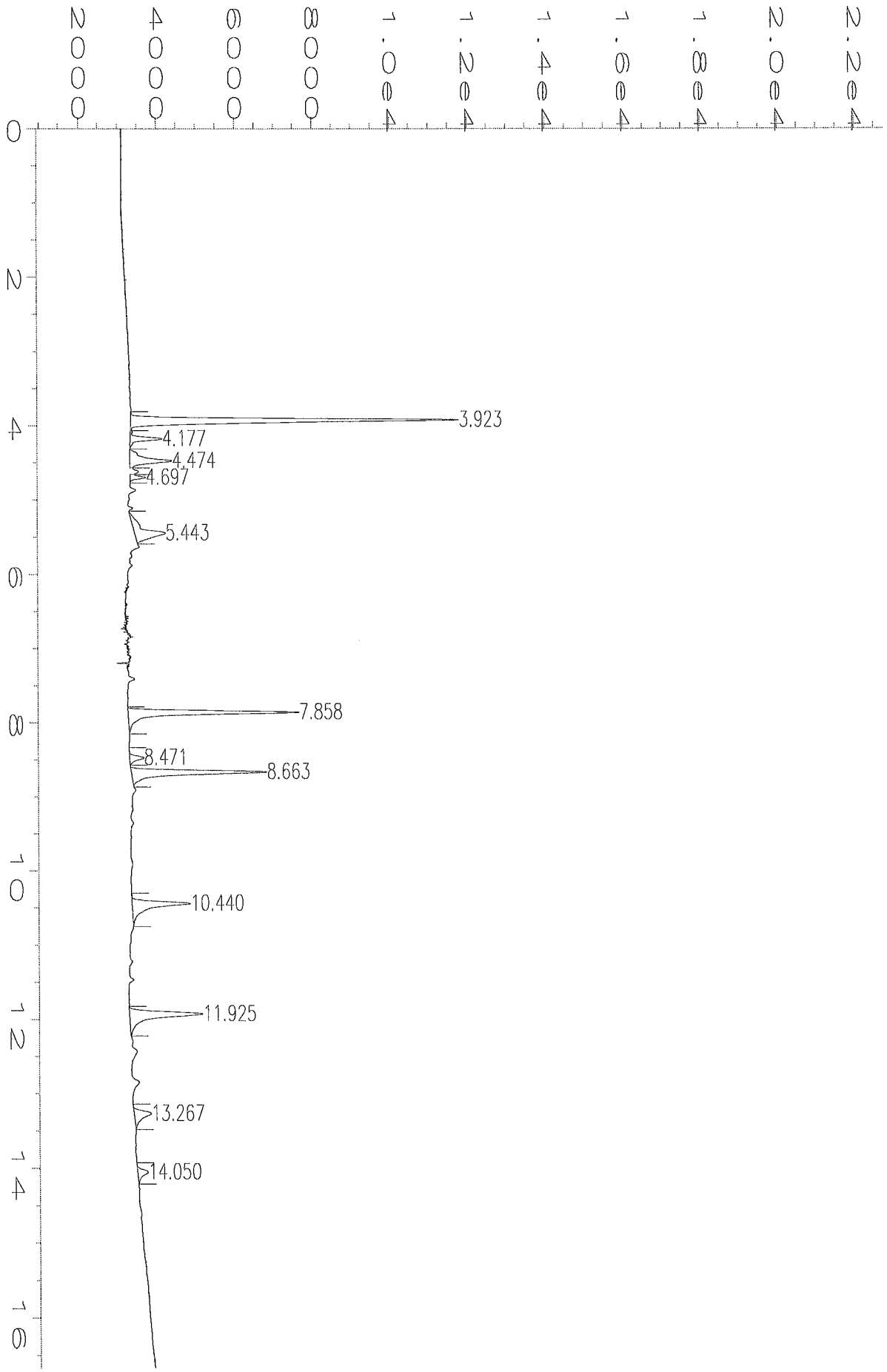
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08196K\B08196A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 19 Aug 26 10:26 AM
Report Created on: 24 Aug 26 12:23 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08196K\B08196A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.923	30736	8447	BV	0.054	30.0804
2	4.177	2901	820	VV	0.053	2.8387
3	4.474	5591	1074	PV	0.073	5.4721
4	4.697	1147	400	VB	0.044	1.1229
5	5.443	6347	786	PV	0.111	6.2115
6	7.858	16449	4403	BB	0.055	16.0985
7	8.471	1477	363	BV	0.063	1.4452
8	8.663	14222	3470	PV	0.063	13.9187
9	10.440	8206	1495	BB	0.079	8.0307
10	11.925	10680	1879	BB	0.084	10.4521
11	13.267	2913	433	BB	0.100	2.8510
12	14.050	1510	270	BB	0.082	1.4780

Total area = 102180


3.923
4.177
4.474
4.697
5.443
7.858
8.471
8.663
10.440
11.925
13.267
14.050
C:\HPCHEM\1\DATA\081896K\B0819 6A.D

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08196K\QC08196C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 19 Aug 26 10:25 AM
Report Created on: 24 Aug 26 12:23 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08196K\QC08196C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %

Total area = 0

C:\HPCHEM\1\DATA\081896K\QC08196C.D

Area Percent Report

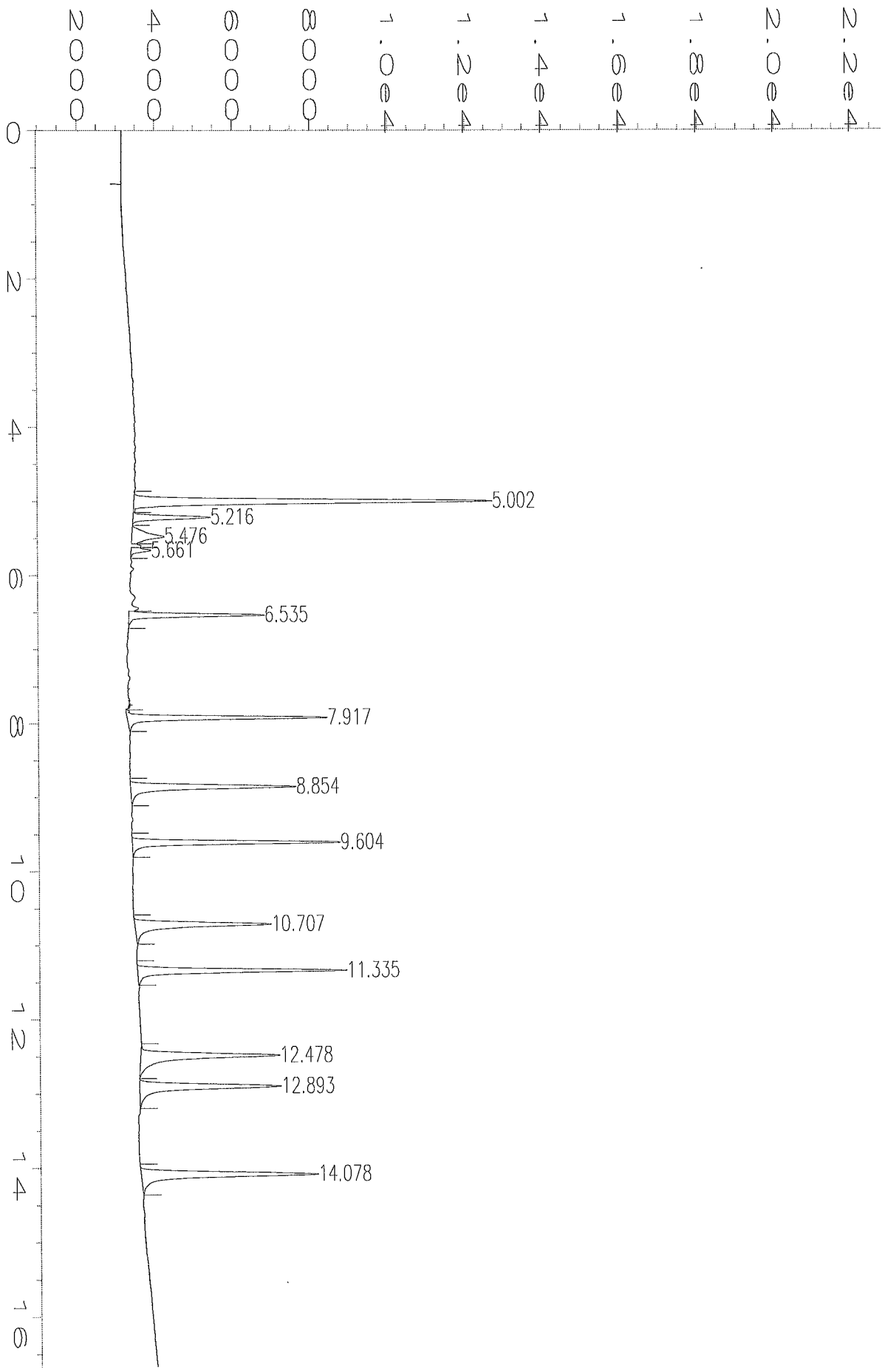
Data File Name : C:\HPCHEM\1\DATA\08196K\QC08196B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 19 Aug 26 09:16 AM
Report Created on: 24 Aug 26 12:23 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08196K\QC08196B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	5.002	37557	9265	BV	0.062	18.0681
2	5.216	6730	1997	VV	0.053	3.2376
3	5.476	5315	831	VV	0.090	2.5571
4	5.661	1661	512	VB	0.049	0.7992
5	6.535	10677	3515	VB	0.047	5.1363
6	7.917	16877	5164	BB	0.050	8.1193
7	8.854	17317	4260	BB	0.061	8.3310
8	9.604	18080	5359	BB	0.052	8.6979
9	10.707	16242	3523	BB	0.070	7.8136
10	11.335	19360	5382	BB	0.055	9.3140
11	12.478	18620	3587	BV	0.076	8.9580
12	12.893	17617	3651	PB	0.073	8.4753
13	14.078	21811	4566	BB	0.073	10.4927

Total area = 207864


5.002
5.216
5.476
5.661
6.535
7.917
8.854
9.604
10.707
11.335
12.478
12.893
14.078
C:\HPCHEM\1\DATA\081896K\QC0819 6B.D

Area Percent Report

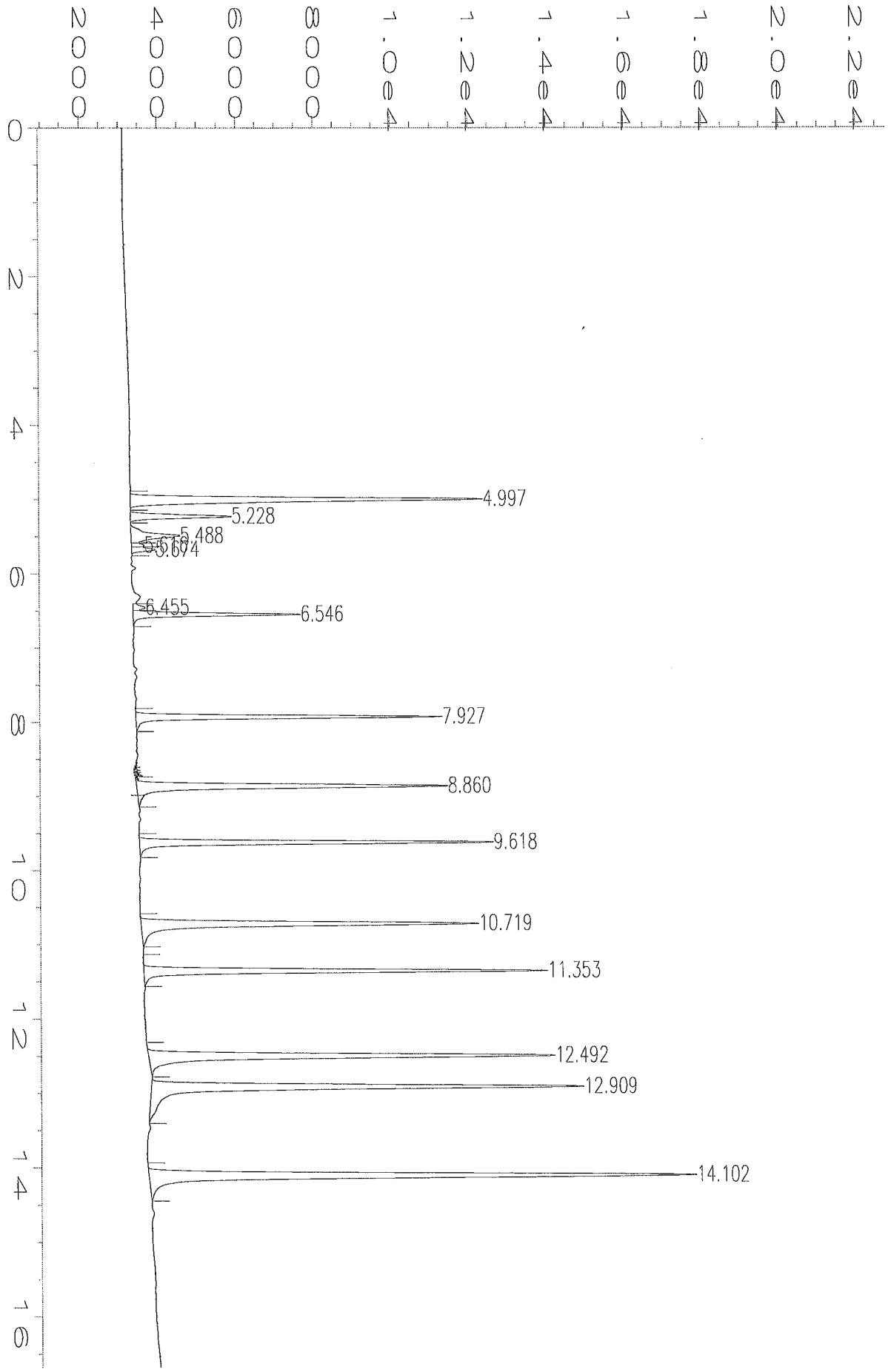
Data File Name : C:\GCCHEM\1\DATA\GCK\08196K\QC08196A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 19 Aug 26 08:44 AM
Report Created on: 25 Aug 26 01:14 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08196K\QC08196A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	6.546	12769	4289	MM	0.050	6.6470
2	7.927	19944	7889	MM	0.042	10.3816
3	8.860	21034	7990	MM	0.044	10.9491
4	9.618	22633	9095	MM	0.041	11.7813
5	10.719	19977	8694	MM	0.038	10.3987
6	11.353	24512	10340	MM	0.040	12.7594
7	12.492	22804	10392	MM	0.037	11.8702
8	12.909	21823	10900	MM	0.033	11.3595
9	14.102	26613	13825	MM	0.032	13.8533

Total area = 192109

User Modified


4.997
5.228
5.488
5.674
6.455
6.546
7.927
8.860
9.618
10.719
11.353
12.492
12.909
14.102

Area Percent Report

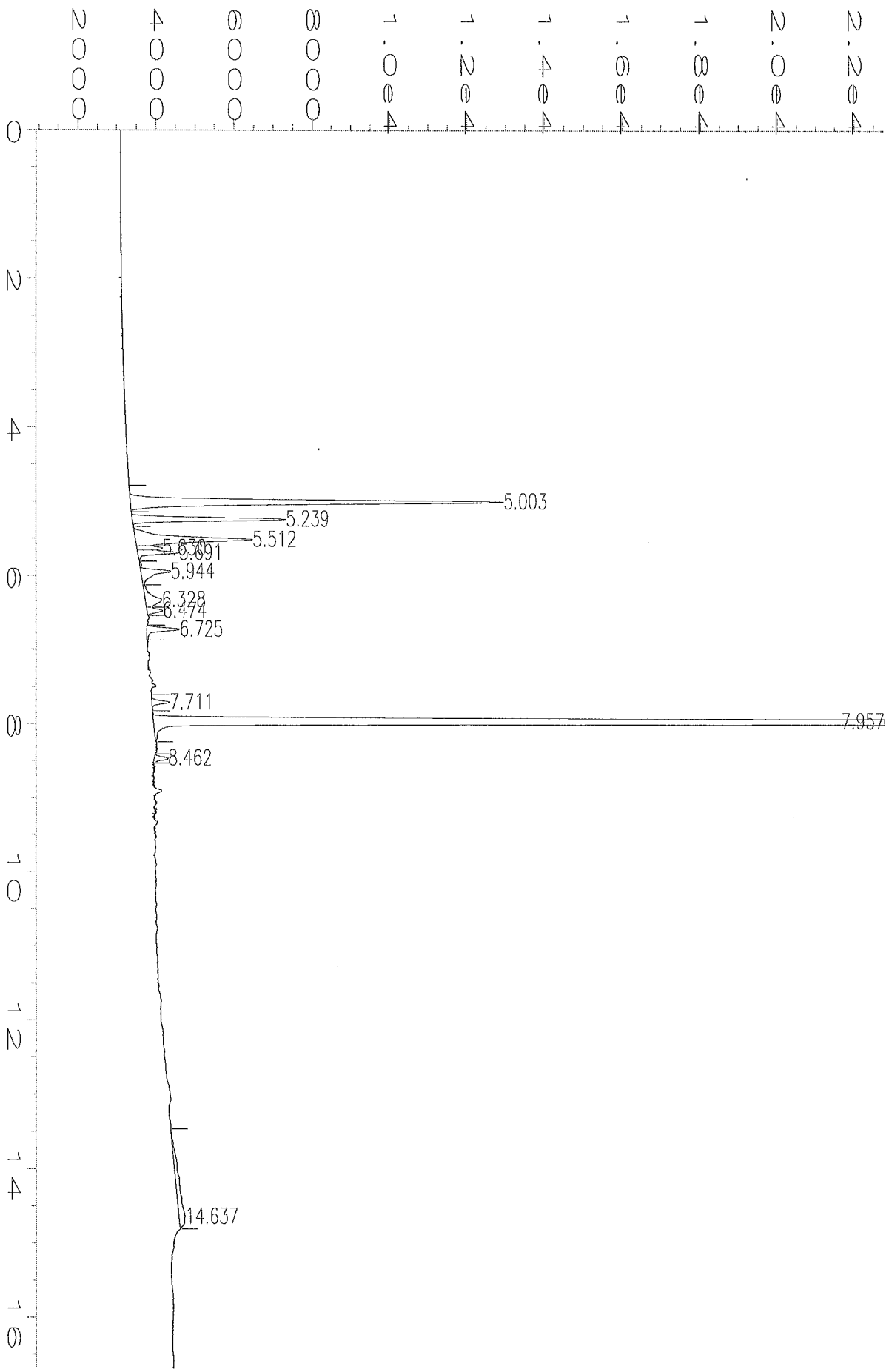
Data File Name : C:\HPCHEM\1\DATA\08196K\C08196A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 19 Aug 26 08:03 AM
Report Created on: 24 Aug 26 12:21 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08196K\C08196A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	5.003	39492	9606	BV	0.061	9.6871
2	5.239	13228	3927	PV	0.053	3.2446
3	5.512	15434	2990	PV	0.075	3.7857
4	5.630	1879	647	VV	0.043	0.4608
5	5.691	3375	1055	VB	0.048	0.8278
6	5.944	3941	765	BV	0.073	0.9667
7	6.328	3541	412	VV	0.112	0.8685
8	6.474	1466	396	VV	0.053	0.3597
9	6.725	2891	827	BB	0.053	0.7092
10	7.711	1408	455	BB	0.049	0.3454
11	7.957	313553	106633	BB	0.046	76.9112
12	8.462	1142	354	BV	0.046	0.2801
13	14.637	6332	158	BB	0.487	1.5532

Total area = 407682


5.003
5.239
5.512
5.691
5.944
6.328
6.474
6.725
7.711
7.957
8.462
14.637
C:\HPCHEM\1\DATA\DSI96K\CO81961A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082026-GCK
Date: 08/20/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	100		87		70	130	14	25	
110-54-3	n-Hexane	95		92		70	130	3	25	
71-43-2	Benzene	90		84		70	130	7	25	
142-82-5	n-Heptane	101		94		70	130	7	25	
108-88-3	Toluene	109		92		70	130	17	25	
111-65-9	n-Octane	109		92		70	130	17	25	
108-38-3	m,p-xylene	113		104		70	130	9	25	
95-47-6	o-xylene	114		108		70	130	6	25	
108-67-8	1,3,5-Trimethylbenzene	118		123		70	130	6	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08206C**	**QC08206B**	**C08206A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08206C**	**QC08206B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/20/2026**		
QCBatch:	**082026-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**310192**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**11779**	**10170**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**16521**	**16082**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**18249**	**16920**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**19574**	**18236**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**20292**	**17119**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**24408**	**20657**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**23057**	**21250**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**23644**	**22359**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**27974**	**29371**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	68	13.6	41.3
n-Hexane	86.2	6	95	15.9	57.7
Benzene	78.1	6	105	17.5	57.8
n-Heptane	100.2	7	113	16.1	68.1
Toluene	92.1	7	117	16.7	64.9
n-Octane	114.2	8	141	17.6	84.7
m,p-xylene	106.2	8	133	16.6	74.4
o-xylene	106.2	8	136	17.0	76.3
1,3,5-Trimethylbenzene	120.2	9	161	17.9	90.8

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	59	11.7
n-Hexane	86.2	6	93	15.4
Benzene	78.1	6	97	16.2
n-Heptane	100.2	7	105	15.0
Toluene	92.1	7	99	14.1
n-Octane	114.2	8	119	14.9
m,p-xylene	106.2	8	122	15.3
o-xylene	106.2	8	129	16.1
1,3,5-Trimethylbenzene	120.2	9	169	18.8

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08206K\B08206B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 20 Aug 26 10:52 AM
Report Created on: 24 Aug 26 12:15 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08206K\B08206B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.120	1437	377	PV	0.050	2.3020
2	3.328	1546	743	VV	0.035	2.4781
3	3.366	2469	778	VV	0.042	3.9564
4	3.507	917	488	VV	0.027	1.4696
5	3.560	1973	614	VV	0.044	3.1609
6	3.727	1205	623	PV	0.030	1.9307
7	3.750	1066	392	VB	0.045	1.7087
8	3.925	915	367	VV	0.042	1.4668
9	4.175	40873	20319	VV	0.032	65.4945
10	5.136	1293	542	BV	0.039	2.0720
11	5.207	3772	1337	VV	0.042	6.0444
12	7.174	803	283	BV	0.038	1.2870
13	7.223	1317	335	VB	0.052	2.1097
14	8.606	2820	893	BB	0.043	4.5190

Total area = 62406

Area Percent Report

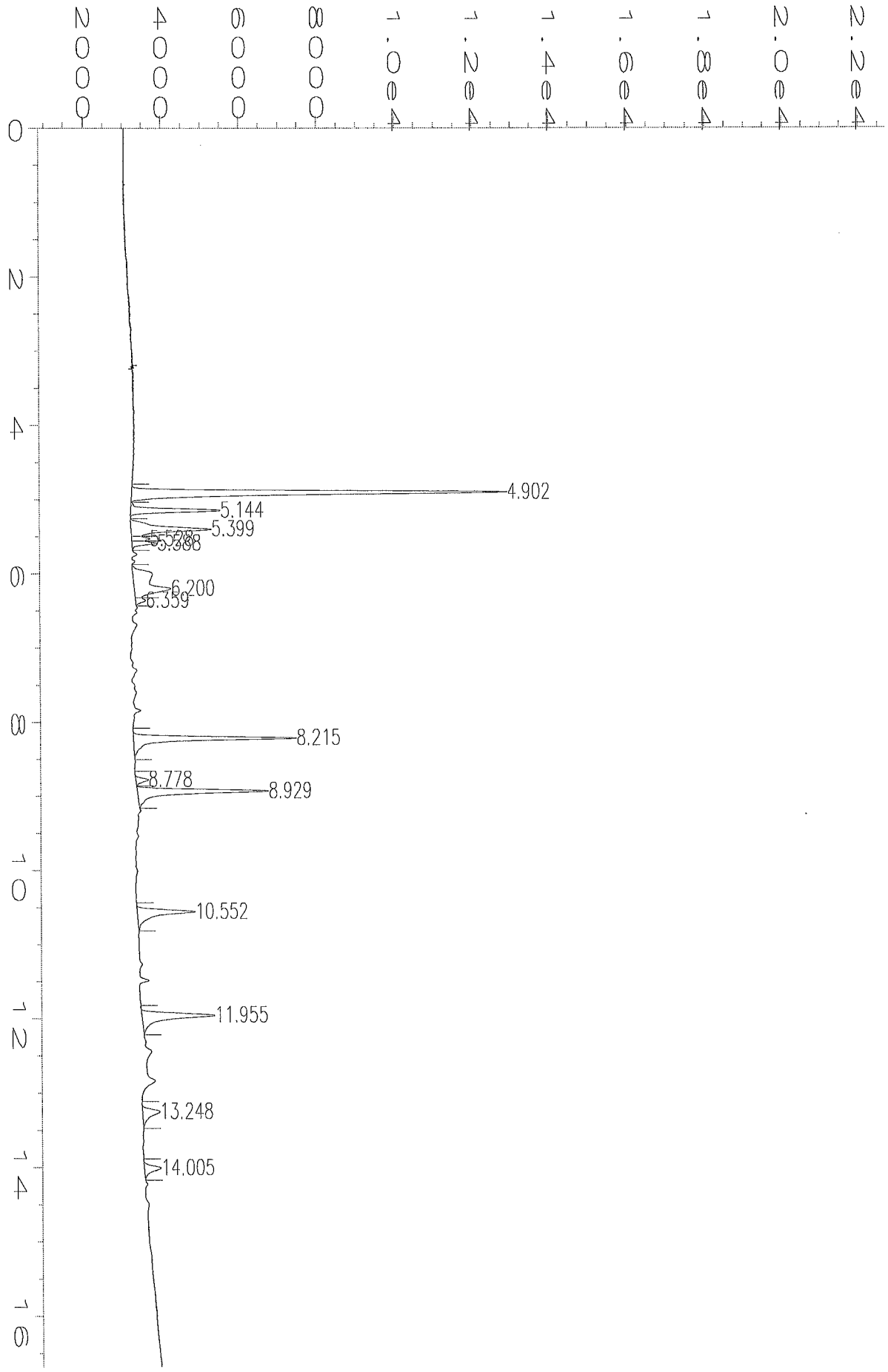
Data File Name : C:\HPCHEM\1\DATA\08206K\B08206A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 20 Aug 26 10:22 AM
Report Created on: 24 Aug 26 12:15 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08206K\B08206A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.902	36593	9694	BV	0.057	29.3068
2	5.144	7709	2300	VV	0.052	6.1738
3	5.399	10542	2057	PV	0.073	8.4425
4	5.528	1430	469	VV	0.044	1.1451
5	5.588	1982	652	VB	0.045	1.5872
6	6.200	11397	934	PV	0.159	9.1272
7	6.359	990	259	VV	0.057	0.7932
8	8.215	15806	4193	BB	0.056	12.6591
9	8.778	1164	326	BV	0.056	0.9326
10	8.929	14136	3367	PV	0.064	11.3210
11	10.552	7745	1479	BB	0.076	6.2026
12	11.955	10083	1873	BB	0.079	8.0755
13	13.248	2973	443	BB	0.091	2.3813
14	14.005	2313	426	BB	0.081	1.8522

Total area = 124863


4.902
5.144
5.399
6.200
6.359
8.215
8.778
8.929
10.552
11.955
13.248
14.005
C:\HPCHEM\1\DATA\082006K\B082006A.D

Area Percent Report

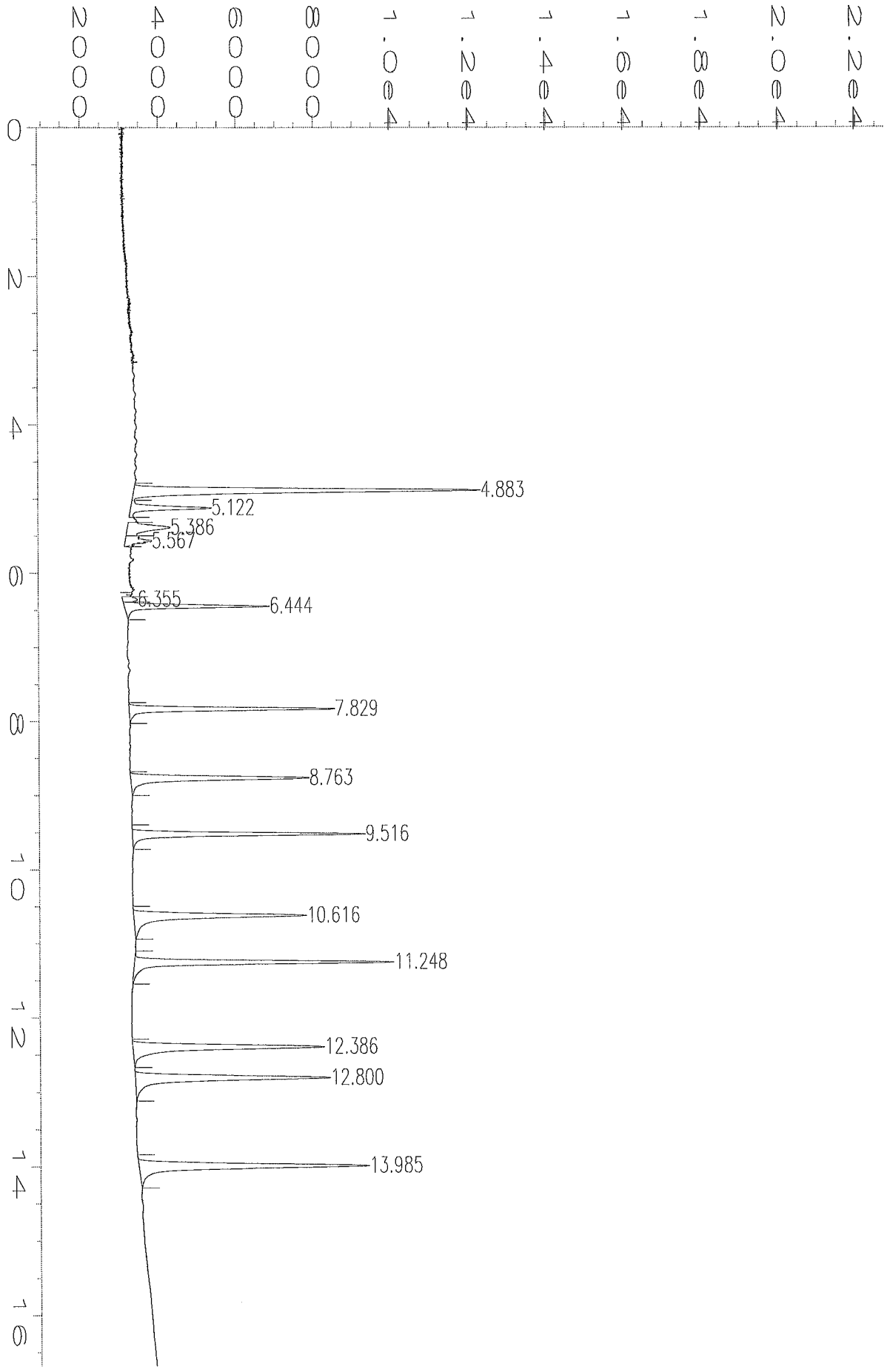
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 20 Aug 26 09:45 AM
Report Created on: 24 Aug 26 12:15 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08206K\QC08206C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.883	35389	8932	BV	0.060	14.7897
2	5.122	7408	2065	VV	0.055	3.0959
3	5.386	6276	1101	VV	0.082	2.6228
4	5.567	3328	682	VV	0.063	1.3907
5	6.355	1386	367	VV	0.053	0.5794
6	6.444	11779	3733	VB	0.048	4.9226
7	7.829	16521	5300	BB	0.048	6.9044
8	8.763	18249	4604	BB	0.060	7.6264
9	9.516	19574	6008	BB	0.050	8.1801
10	10.616	20292	4456	BB	0.067	8.4803
11	11.248	24408	6695	BB	0.056	10.2005
12	12.386	23057	4946	BB	0.070	9.6358
13	12.800	23644	5028	BB	0.071	9.8809
14	13.985	27974	5917	BB	0.072	11.6906

Total area = 239285


4.883
5.122
5.386
5.567
6.355
6.444
7.829
8.763
9.516
10.616
11.248
12.386
12.800
13.985
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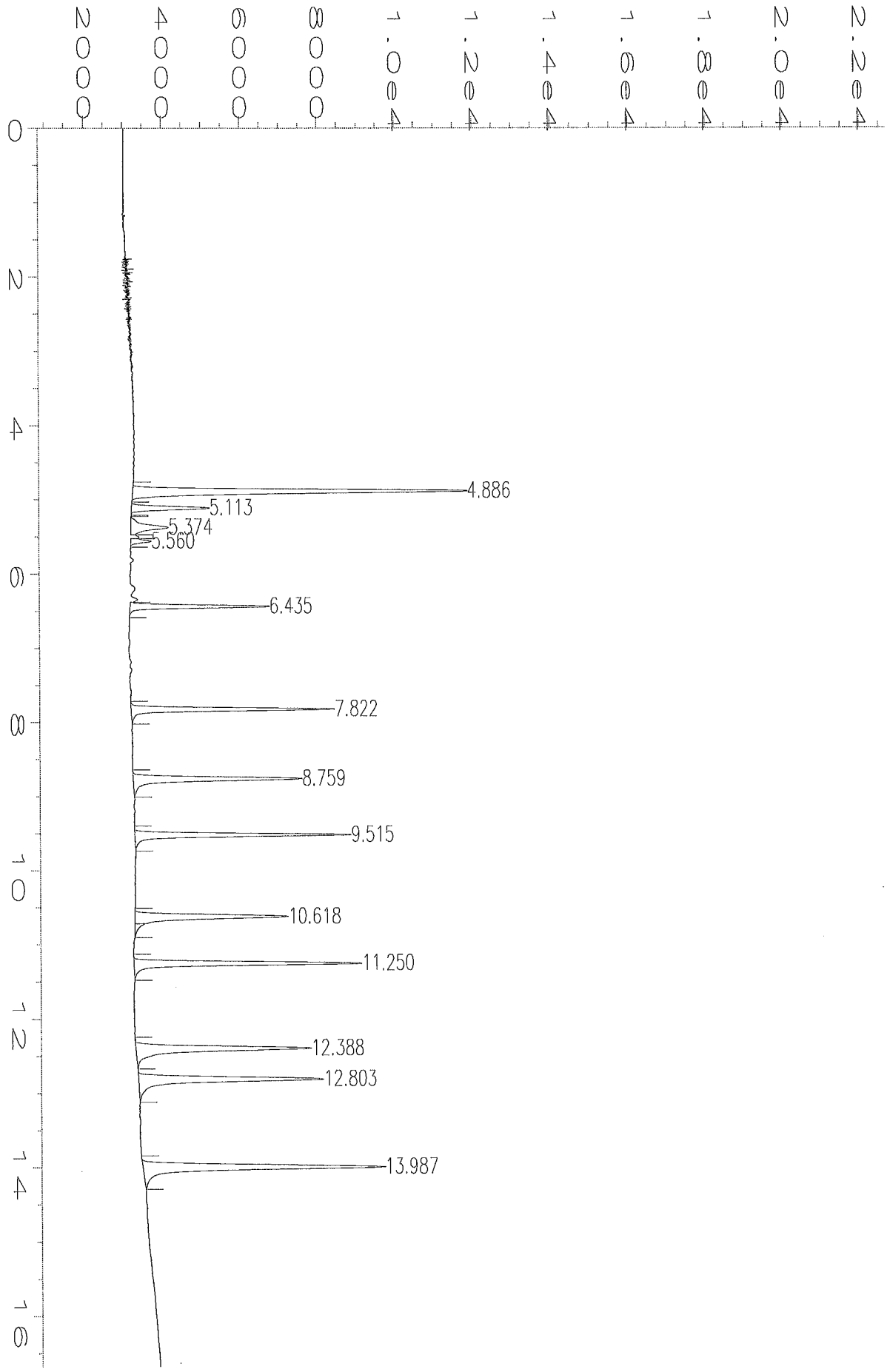
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08206K\QC08206B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 20 Aug 26 09:13 AM
Report Created on: 24 Aug 26 12:14 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08206K\QC08206B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.886	34057	8632	BV	0.060	15.5406
2	5.113	6331	1983	PB	0.051	2.8888
3	5.374	5047	960	BV	0.076	2.3030
4	5.560	1551	521	VB	0.046	0.7076
5	6.435	10170	3583	VB	0.045	4.6405
6	7.822	16082	5239	BB	0.047	7.3385
7	8.759	16920	4352	BB	0.059	7.7206
8	9.515	18236	5565	BB	0.050	8.3213
9	10.618	17119	3929	BB	0.066	7.8115
10	11.250	20657	5865	BB	0.054	9.4261
11	12.388	21250	4510	BB	0.070	9.6966
12	12.803	22359	4766	BB	0.071	10.2025
13	13.987	29371	6260	BB	0.070	13.4024

Total area = 219150


4.886
5.113
5.374
5.560
6.435
7.822
8.759
9.515
10.618
11.250
12.388
12.803
13.987
C:\HPCHEM\1\DATA\082006K\QC082006B.D

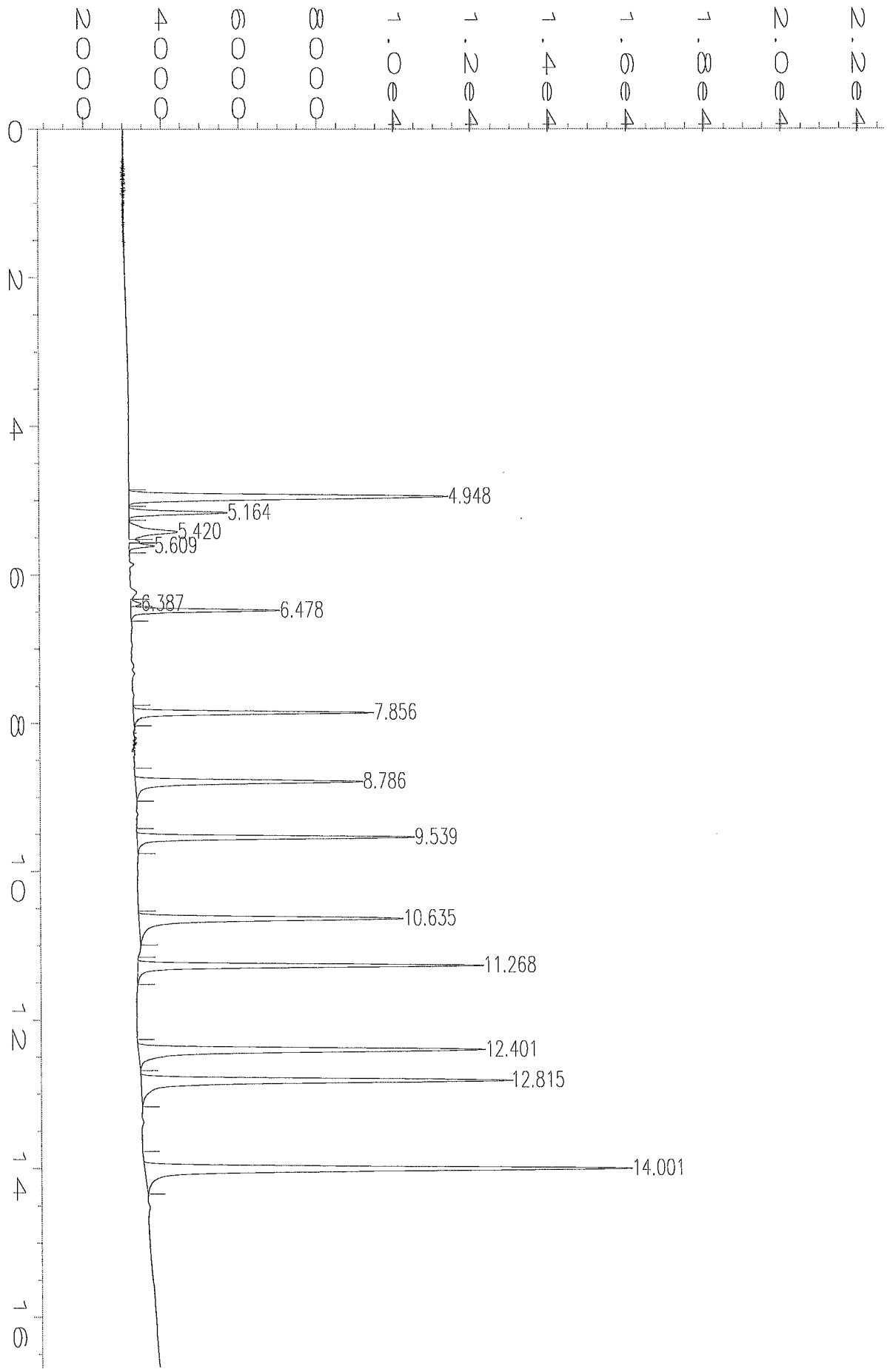
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08206K\QC08206A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 20 Aug 26 08:40 AM
Report Created on: 24 Aug 26 12:14 PM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08206K\QC08206A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.948	35685	8234	BV	0.068	10.8287
2	5.164	8388	2542	VV	0.052	2.5453
3	5.420	7004	1260	VV	0.079	2.1255
4	5.609	2070	646	VB	0.049	0.6283
5	6.387	911	265	VV	0.051	0.2765
6	6.478	11303	3834	VB	0.046	3.4300
7	7.856	19138	6190	BV	0.048	5.8076
8	8.786	22737	5851	BB	0.058	6.8996
9	9.539	23350	7151	BB	0.050	7.0857
10	10.635	29225	6805	BB	0.064	8.8685
11	11.268	30599	8928	BB	0.053	9.2852
12	12.401	39476	8948	BB	0.066	11.9792
13	12.815	42964	9593	BB	0.069	13.0375
14	14.001	56689	12550	BB	0.070	17.2024

Total area = 329539


4.948
5.164
5.420
5.609
6.387
6.478
7.856
8.786
9.539
10.635
11.268
12.401
12.815
14.001
C:\HPCHEM\1\DATA\0820606K\QCO820606A.D

Area Percent Report

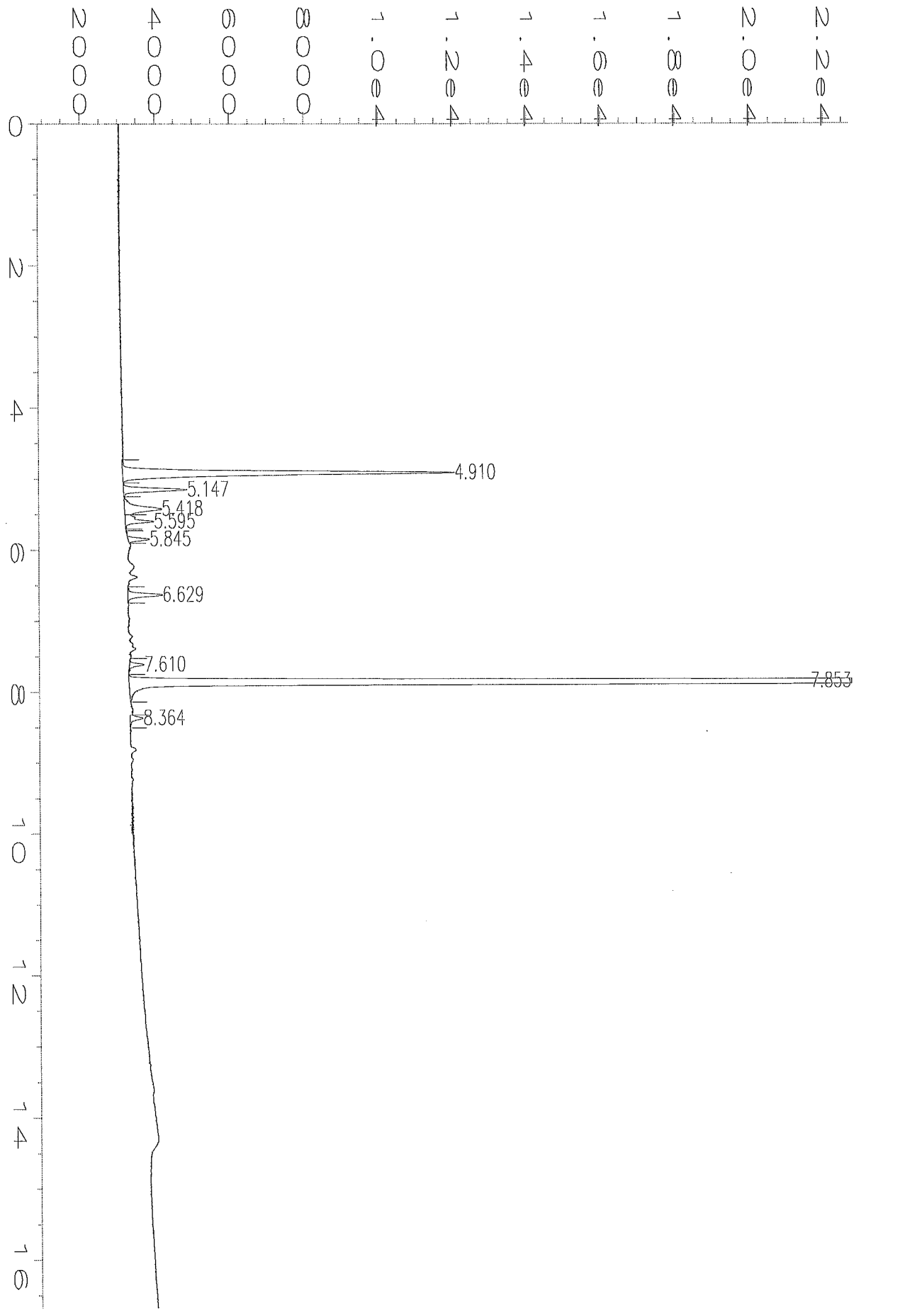
Data File Name : C:\HPCHEM\1\DATA\08206K\C08206A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 20 Aug 26 07:58 AM
Report Created on: 24 Aug 26 12:14 PM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08206K\C08206A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.910	36831	8910	BV	0.062	10.0049
2	5.147	5554	1702	PV	0.051	1.5087
3	5.418	5320	982	VV	0.073	1.4452
4	5.595	3097	750	VB	0.059	0.8412
5	5.845	1620	561	BV	0.043	0.4400
6	6.629	3138	915	BB	0.050	0.8525
7	7.610	1154	385	BV	0.044	0.3134
8	7.853	310192	108482	PB	0.045	84.2605
9	8.364	1228	345	VV	0.047	0.3336

Total area = 368135


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
4.910
5.147
5.418
5.595
5.845
6.629
7.610
7.853
8.364
C:\HPCHEM\1\DATA\082006K\C08206A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082526-GCK
Date: 08/25/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	91		91		70	130	0	25	
110-54-3	n-Hexane	95		94		70	130	1	25	
71-43-2	Benzene	91		85		70	130	6	25	
142-82-5	n-Heptane	101		95		70	130	6	25	
108-88-3	Toluene	101		90		70	130	12	25	
111-65-9	n-Octane	99		88		70	130	11	25	
108-38-3	m,p-xylene	99		93		70	130	6	25	
95-47-6	o-xylene	92		89		70	130	3	25	
108-67-8	1,3,5-Trimethylbenzene	81		93		70	130	12	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08256C**	**QC08256B**	**C08256A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08256C**	**QC08256B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/25/2026**		
QCBatch:	**082526-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**326537**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**10658**	**10704**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**16542**	**16337**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**18385**	**17077**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**19530**	**18443**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**18945**	**16724**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**22249**	**19772**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**20096**	**18967**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**18954**	**18338**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**19358**	**22099**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	61	12.3	37.4
n-Hexane	86.2	6	95	15.9	57.8
Benzene	78.1	6	106	17.6	58.2
n-Heptane	100.2	7	112	16.1	68.0
Toluene	92.1	7	109	15.6	60.6
n-Octane	114.2	8	128	16.0	77.2
m,p-xylene	106.2	8	116	14.5	64.9
o-xylene	106.2	8	109	13.6	61.2
1,3,5-Trimethylbenzene	120.2	9	111	12.4	62.9

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	62	12.3
n-Hexane	86.2	6	94	15.7
Benzene	78.1	6	98	16.4
n-Heptane	100.2	7	106	15.2
Toluene	92.1	7	96	13.8
n-Octane	114.2	8	114	14.2
m,p-xylene	106.2	8	109	13.7
o-xylene	106.2	8	106	13.2
1,3,5-Trimethylbenzene	120.2	9	127	14.1

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08256K\B08256B.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : METHOD BLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 25 Aug 26 04:37 PM
Instrument Method: GC1SHORT.MTH
Report Created on: 25 Aug 26 04:53 PM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08256K\B08256B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.944	35083	8840	BV	0.062	70.0063
2	5.143	7103	2044	VV	0.054	14.1731
3	5.409	6402	1485	VV	0.063	12.7748
4	5.593	1526	507	VB	0.045	3.0458

Total area = 50115

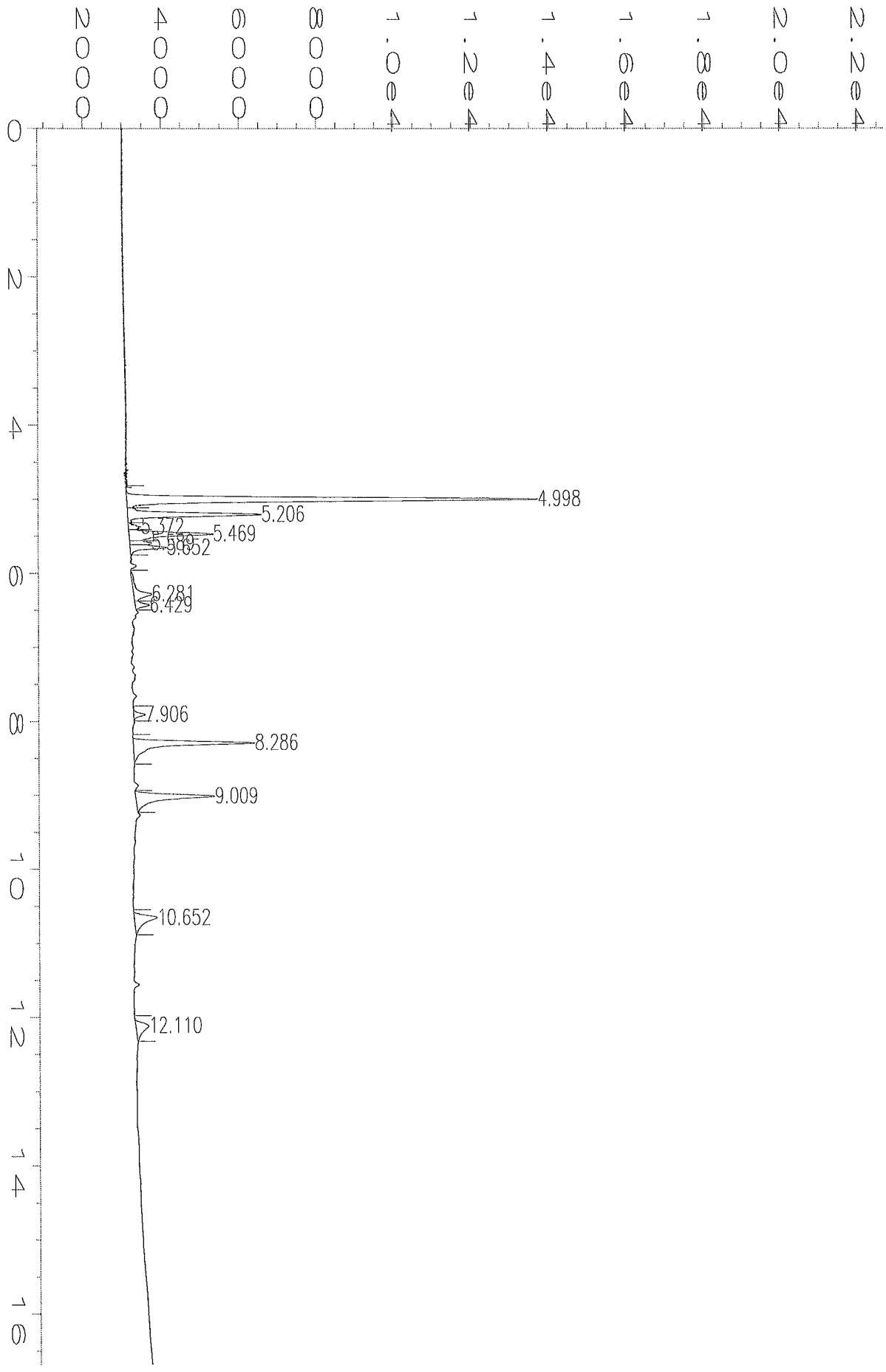
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08256K\B08256A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : HUMID BLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 25 Aug 26 04:08 PM
Instrument Method: GC1SHORT.MTH
Report Created on: 25 Aug 26 04:24 PM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08256K\B08256A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.998	39576	10603	BV	0.057	39.2762
2	5.206	12219	3422	VV	0.054	12.1260
3	5.372	937	309	PV	0.045	0.9298
4	5.469	8620	2152	VV	0.059	8.5550
5	5.589	1550	546	VV	0.040	1.5386
6	5.652	3115	928	VV	0.051	3.0914
7	6.281	2950	453	PV	0.087	2.9279
8	6.429	1299	361	VV	0.054	1.2887
9	7.906	992	287	BB	0.051	0.9847
10	8.286	13033	3118	BB	0.062	12.9341
11	9.009	9870	2022	PV	0.072	9.7955
12	10.652	4003	588	BB	0.085	3.9723
13	12.110	2599	330	BB	0.100	2.5797

Total area = 100764


4.998
5.206
5.372
5.469
5.652
6.281
6.429
7.906
8.286
9.009
10.652
12.110
C:\HPCHEM\1\DATA\082516K\B082516A.D

Area Percent Report

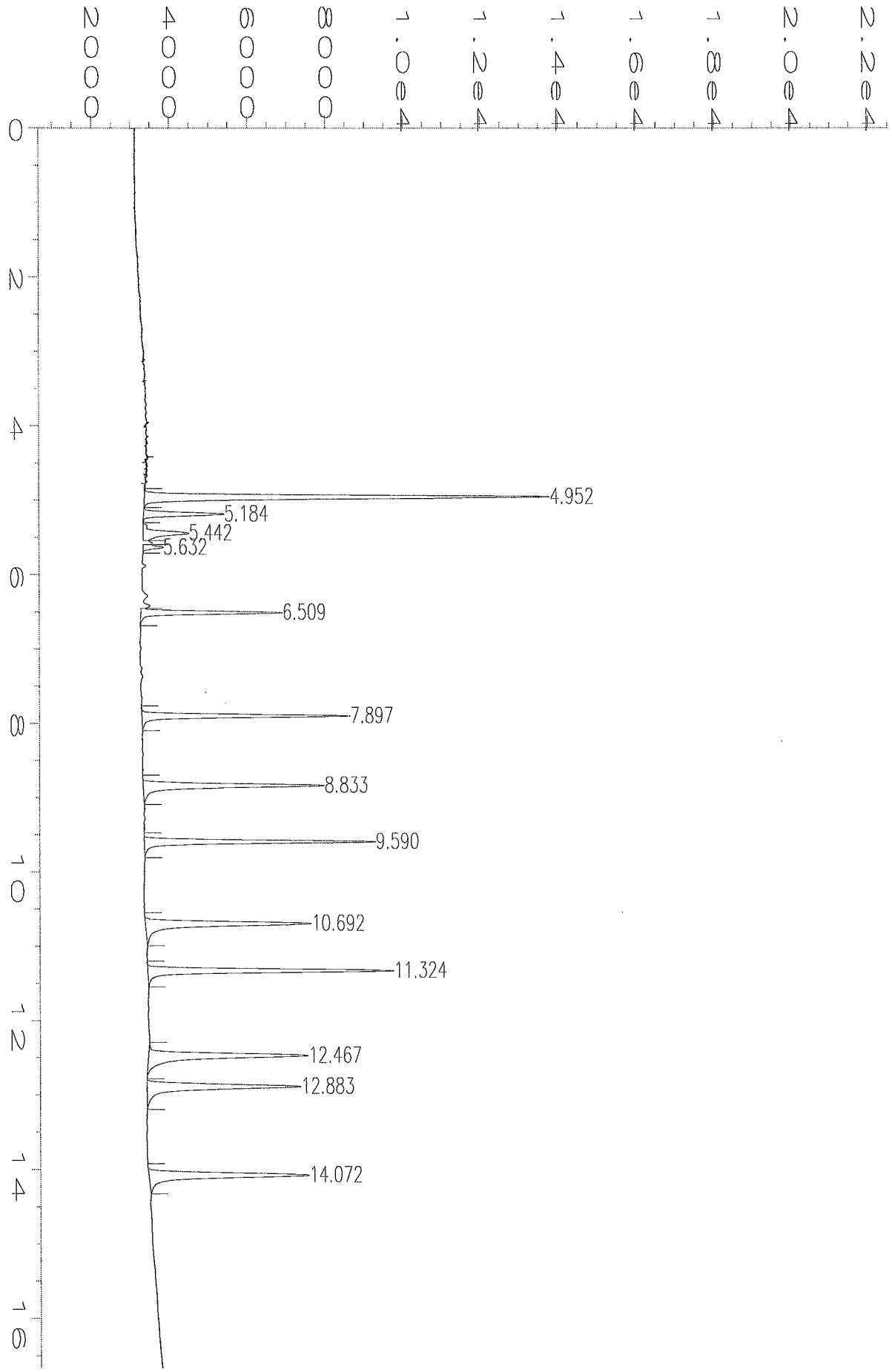
Data File Name : C:\HPCHEM\1\DATA\08256K\QC08256C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 25 Aug 26 03:17 PM
Report Created on: 25 Aug 26 03:34 PM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08256K\QC08256C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.952	36379	10437	BV	0.054	16.9246
2	5.184	6824	2064	VV	0.052	3.1745
3	5.442	5487	1170	PV	0.069	2.5527
4	5.632	1541	515	VB	0.045	0.7170
5	6.509	10658	3622	VB	0.046	4.9585
6	7.897	16542	5339	BB	0.048	7.6958
7	8.833	18385	4639	BB	0.060	8.5531
8	9.590	19530	5931	BB	0.050	9.0861
9	10.692	18945	4251	BB	0.067	8.8139
10	11.324	22249	6323	BB	0.054	10.3509
11	12.467	20096	4082	BV	0.072	9.3490
12	12.883	18954	3934	PB	0.074	8.8178
13	14.072	19358	4100	BB	0.073	9.0060

Total area = 214948



C:\HPCHEM\1\DATA\0825\6K\QCO8256C.D

Area Percent Report

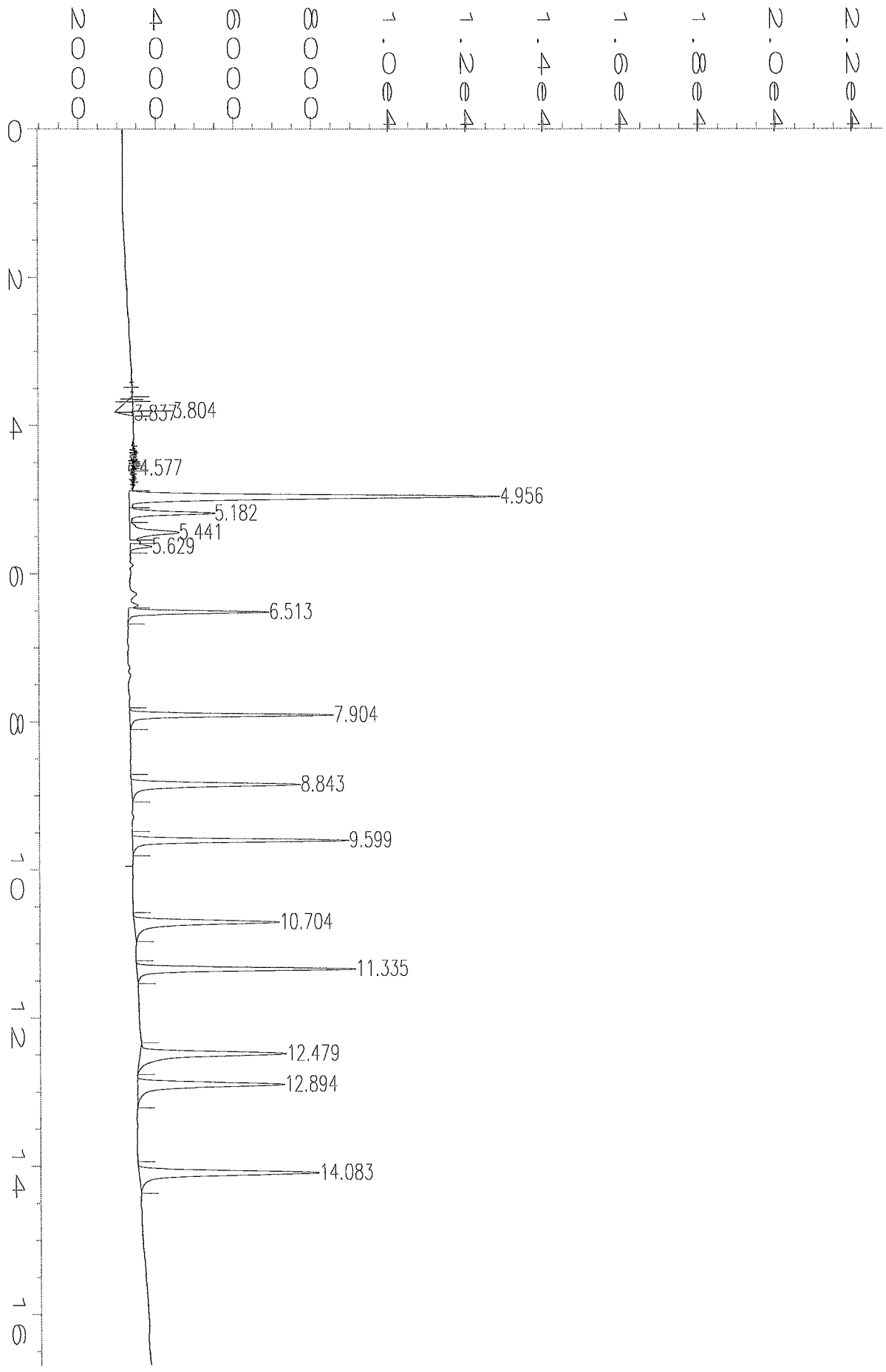
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 25 Aug 26 02:44 PM
Report Created on: 25 Aug 26 03:01 PM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08256K\QC08256B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.804	3223	1530	BV	0.035	1.4814
2	3.837	669	333	PV	0.027	0.3076
3	4.577	536	294	PV	0.030	0.2463
4	4.956	38609	9559	VV	0.061	17.7455
5	5.182	7632	2208	VV	0.053	3.5078
6	5.441	6658	1269	VV	0.076	3.0600
7	5.629	1784	558	VB	0.047	0.8201
8	6.513	10704	3624	VB	0.046	4.9196
9	7.904	16337	5251	BB	0.048	7.5087
10	8.843	17077	4362	BB	0.059	7.8487
11	9.599	18443	5569	BB	0.051	8.4768
12	10.704	16724	3741	BB	0.067	7.6868
13	11.335	19772	5639	BB	0.055	9.0875
14	12.479	18967	3773	BV	0.075	8.7178
15	12.894	18338	3783	PB	0.072	8.4283
16	14.083	22099	4640	BB	0.073	10.1573

Total area = 217572



C:\HPCHEM\1\DATA\0825\6K\QCO0825B.D

Area Percent Report

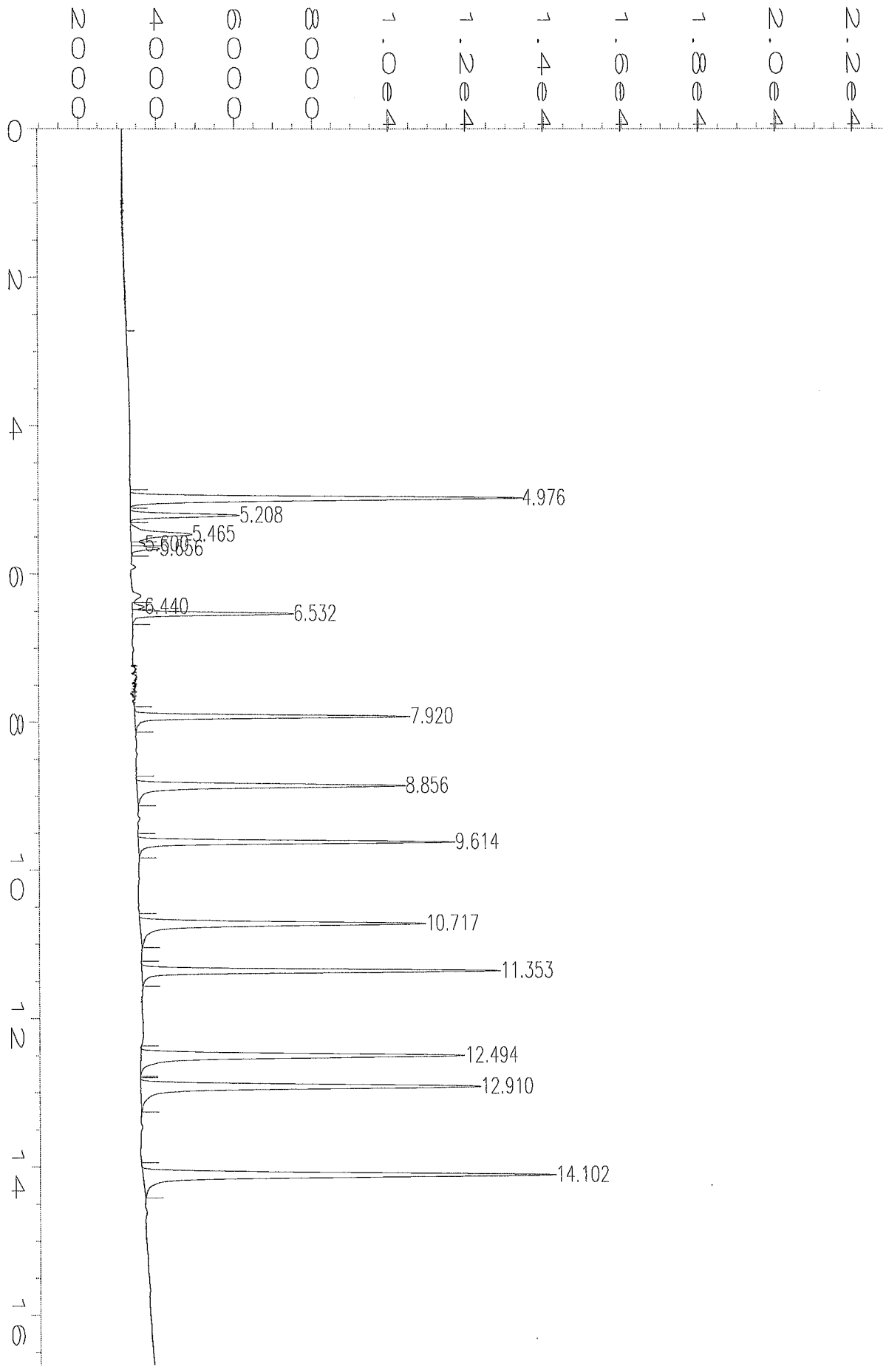
Data File Name : C:\HPCHEM\1\DATA\08256K\QC08256A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 25 Aug 26 02:11 PM
Report Created on: 25 Aug 26 02:28 PM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08256K\QC08256A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.976	39977	10132	BV	0.061	11.7712
2	5.208	9279	2795	PV	0.053	2.7323
3	5.465	8034	1556	PV	0.075	2.3657
4	5.600	895	346	VV	0.043	0.2636
5	5.656	2275	708	VB	0.049	0.6700
6	6.440	1027	307	VV	0.052	0.3024
7	6.532	12244	4137	VB	0.046	3.6053
8	7.920	22087	7084	BB	0.048	6.5036
9	8.856	26979	6910	BB	0.060	7.9439
10	9.614	26733	8163	BB	0.050	7.8714
11	10.717	31599	7361	BB	0.064	9.3043
12	11.353	32200	9225	BB	0.054	9.4813
13	12.494	37142	8339	BB	0.067	10.9365
14	12.910	40411	8742	BB	0.070	11.8990
15	14.102	48733	10643	BB	0.071	14.3494

Total area = 339616


4.976
5.208
5.465
5.606
5.656
6.440
6.532
7.920
8.856
9.614
10.717
11.353
12.494
12.910
14.102
C:\HPCHEM\1\DATA\0825696K\QC08256A.D

Area Percent Report

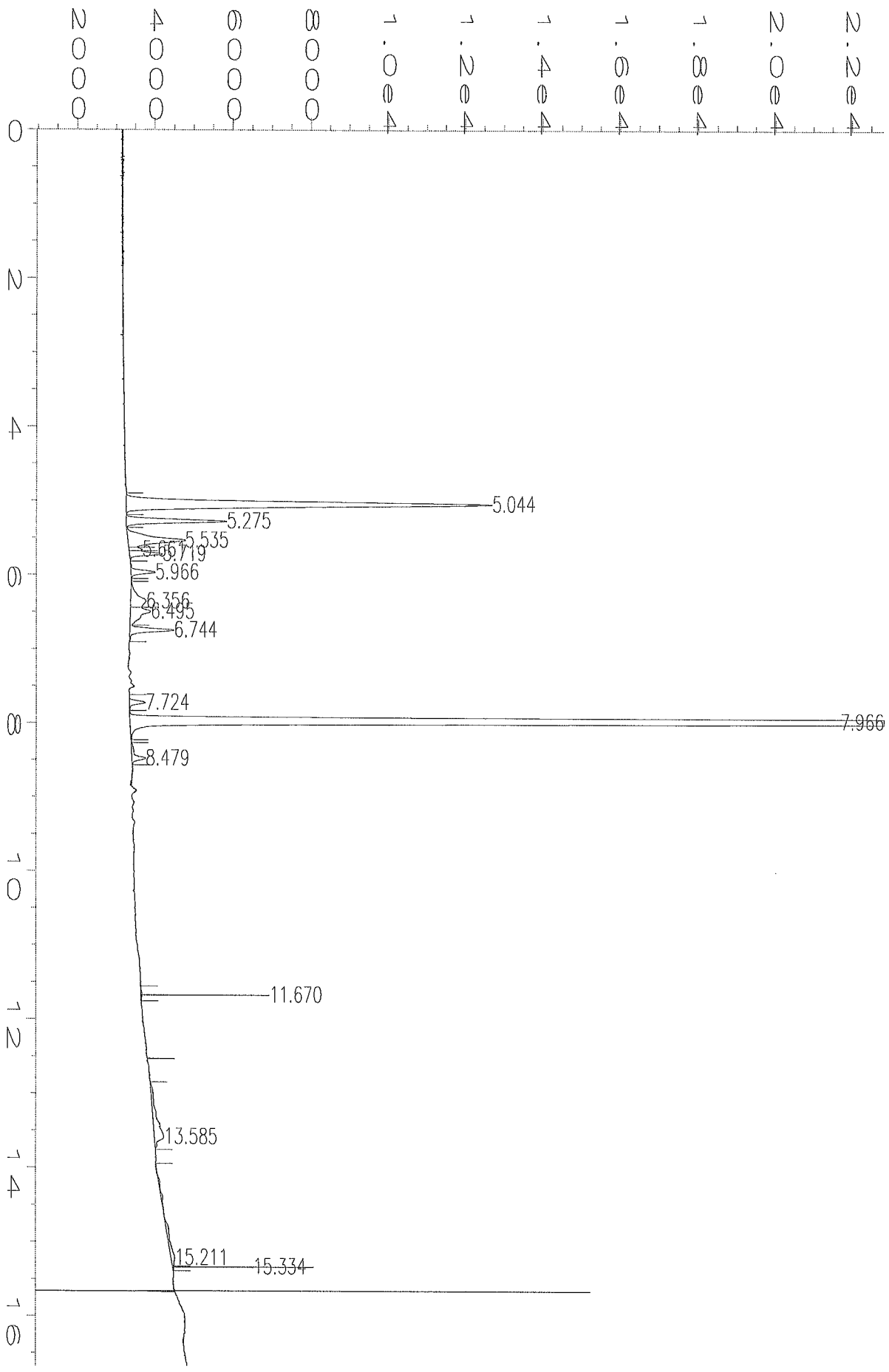
Data File Name : C:\HPCHEM\1\DATA\08256K\C08256A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 25 Aug 26 01:30 PM
Report Created on: 25 Aug 26 01:47 PM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08256K\C08256A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	5.044	45646	9439	BV	0.074	10.8581
2	5.275	8886	2595	VV	0.053	2.1137
3	5.535	9100	1490	PV	0.086	2.1648
4	5.661	872	345	VV	0.042	0.2073
5	5.719	2714	848	VB	0.050	0.6455
6	5.966	2111	623	BB	0.053	0.5022
7	6.356	3824	398	BV	0.118	0.9096
8	6.495	4050	528	VV	0.101	0.9633
9	6.744	4011	1135	VB	0.054	0.9542
10	7.724	1311	416	BB	0.044	0.3118
11	7.966	326537	106707	BB	0.048	77.6754
12	8.479	1696	354	BB	0.068	0.4035
13	11.670	977	3456	BB	0.016	0.2324
14	13.585	5073	242	BB	0.262	1.2066
15	15.211	2391	93	BV	0.429	0.5688
16	15.334	1189	3850	VB	0.005	0.2829

Total area = 420386



C:\HPCHEM\1\DATA\082516K\CO82516A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082626-GCK
Date: 08/26/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	90		90		70	130	0	25	
110-54-3	n-Hexane	94		92		70	130	1	25	
71-43-2	Benzene	90		84		70	130	6	25	
142-82-5	n-Heptane	99		95		70	130	4	25	
108-88-3	Toluene	103		85		70	130	19	25	
111-65-9	n-Octane	101		87		70	130	14	25	
108-38-3	m,p-xylene	100		81		70	130	20	25	
95-47-6	o-xylene	100		82		70	130	18	25	
108-67-8	1,3,5-Trimethylbenzene	93		78		70	130	15	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	QC08266C	QC08266B	C08266A
SDG:	LABQC	LABQC	
LCS EAS ID:	QC08266C	QC08266B	
Time:	10:42	11:32	
Date Analyzed:	08/26/2026		
QCBatch:	082626-GCK	Method: TO-12	TO-14
Hexane Con Cal:	315469		TO-03
Standard:	ST62334	Not Detected Flag: ND	EPA 18
Chem:	TRG	SF: 2	TO-12
Matrix:	AA	Instrument: GCK	
Can Factor:	1.00	Unit Factor 20	
Volume:	1.00 ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**10526**	**10563**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**16368**	**16158**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**18072**	**16960**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**19139**	**18387**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**19323**	**15824**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**22625**	**19578**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**20485**	**16468**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**20655**	**16900**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**22142**	**18522**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	61	12.1	36.9
n-Hexane	86.2	6	94	15.7	57.2
Benzene	78.1	6	104	17.3	57.2
n-Heptane	100.2	7	110	15.7	66.6
Toluene	92.1	7	111	15.9	61.8
n-Octane	114.2	8	130	16.3	78.5
m,p-xylene	106.2	8	118	14.7	66.1
o-xylene	106.2	8	119	14.9	66.7
1,3,5-Trimethylbenzene	120.2	9	127	14.2	71.9

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	61	12.2
n-Hexane	86.2	6	93	15.5
Benzene	78.1	6	98	16.3
n-Heptane	100.2	7	106	15.1
Toluene	92.1	7	91	13.0
n-Octane	114.2	8	113	14.1
m,p-xylene	106.2	8	95	11.9
o-xylene	106.2	8	97	12.2
1,3,5-Trimethylbenzene	120.2	9	107	11.8

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08266K\B08266B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 26 Aug 26 11:14 AM
Report Created on: 26 Aug 26 11:51 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: KTO3DHC.MTH
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08266K\B08266B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.128	1095	528	VV	0.029	1.8831
2	3.246	2231	544	PV	0.059	3.8379
3	3.428	1746	408	VV	0.054	3.0037
4	3.643	938	429	VV	0.030	1.6131
5	4.194	41570	20674	VV	0.032	71.5035
6	5.147	1897	690	PV	0.044	3.2634
7	5.225	4983	1577	VV	0.044	8.5711
8	8.610	3677	969	BB	0.050	6.3241

Total area = 58136

Area Percent Report

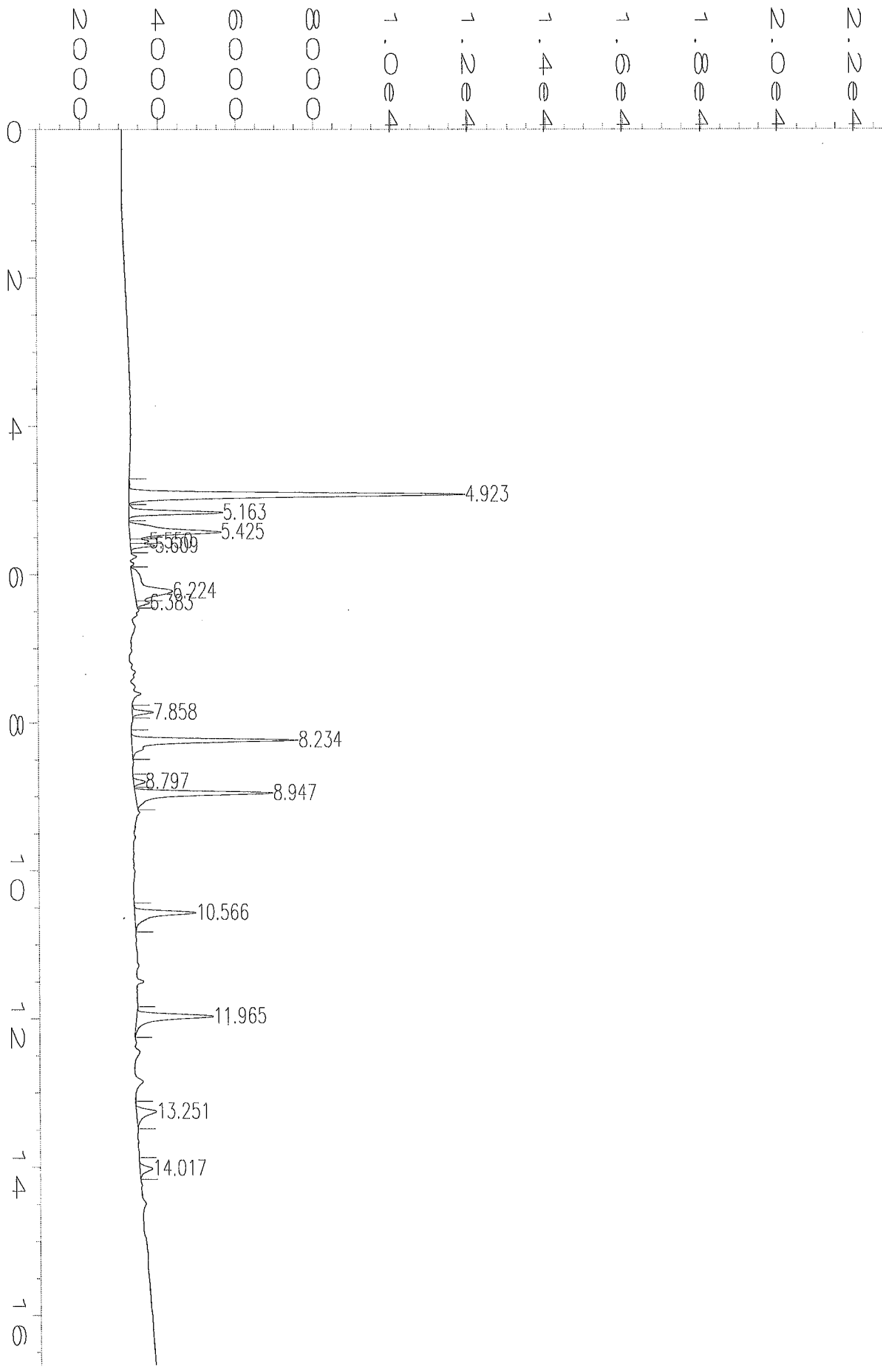
Data File Name : C:\HPCHEM\1\DATA\08266K\B08266A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 26 Aug 26 10:44 AM
Report Created on: 26 Aug 26 11:01 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08266K\B08266A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.923	36777	8663	BV	0.064	28.3311
2	5.163	8233	2415	VV	0.053	6.3426
3	5.425	13197	2352	PV	0.081	10.1665
4	5.550	1482	477	VV	0.046	1.1420
5	5.609	1903	616	VB	0.047	1.4658
6	6.224	9995	967	PV	0.135	7.6998
7	6.383	1162	332	VV	0.051	0.8952
8	7.858	1678	533	BB	0.049	1.2927
9	8.234	16361	4288	BB	0.057	12.6037
10	8.797	1030	293	BV	0.055	0.7936
11	8.947	15025	3543	PV	0.064	11.5746
12	10.566	7800	1565	BB	0.074	6.0084
13	11.965	10242	1963	BB	0.078	7.8898
14	13.251	3238	507	BB	0.094	2.4943
15	14.017	1687	322	BB	0.078	1.2999

Total area = 129812


4.923
5.163
5.425
5.609
6.224
6.383
7.858
8.234
8.797
8.947
10.566
11.965
13.251
14.017
C:\HPCHEM\1\DATA\0826\BO826A.D

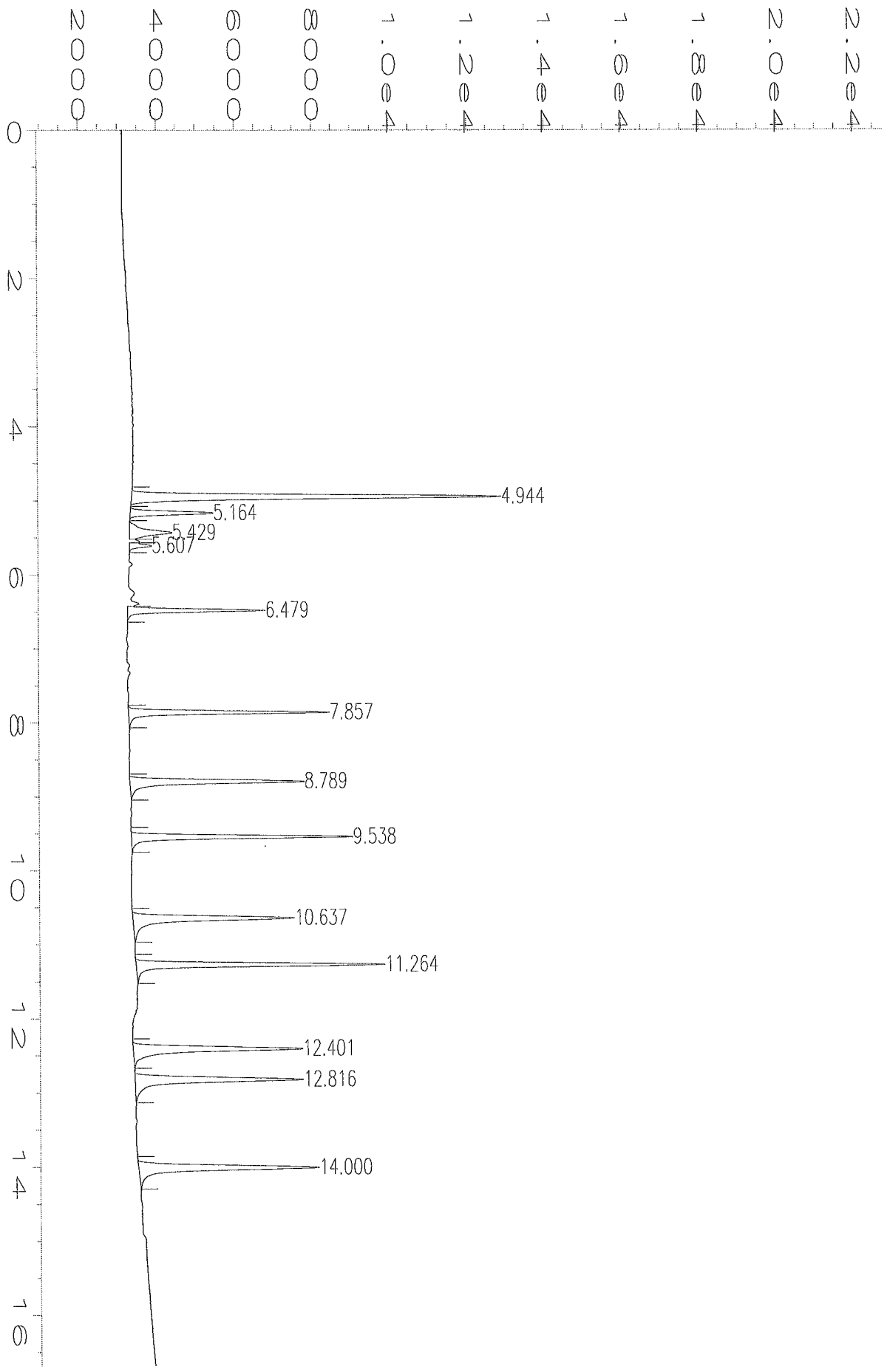
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08266K\QC08266C.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST63479
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 26 Aug 26 10:07 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 26 Aug 26 10:24 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08266K\QC08266C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.944	37459	9531	BV	0.060	16.9043
2	5.164	7020	2138	PV	0.051	3.1681
3	5.429	5994	1099	PV	0.078	2.7049
4	5.607	1785	566	VB	0.049	0.8056
5	6.479	10526	3547	VB	0.046	4.7502
6	7.857	16368	5187	BB	0.049	7.3866
7	8.789	18072	4498	BB	0.060	8.1555
8	9.538	19139	5722	BB	0.051	8.6370
9	10.637	19323	4166	BB	0.070	8.7198
10	11.264	22625	6429	BB	0.054	10.2101
11	12.401	20485	4365	BB	0.069	9.2444
12	12.816	20655	4334	BB	0.072	9.3212
13	14.000	22142	4663	BB	0.073	9.9923

Total area = 221595


4.944
5.164
5.429
5.607
6.479
7.857
8.789
9.538
10.637
11.264
12.401
12.816
14.000
C:\HPCHEM\1\DATA\0826K\QC08266C.D

Area Percent Report

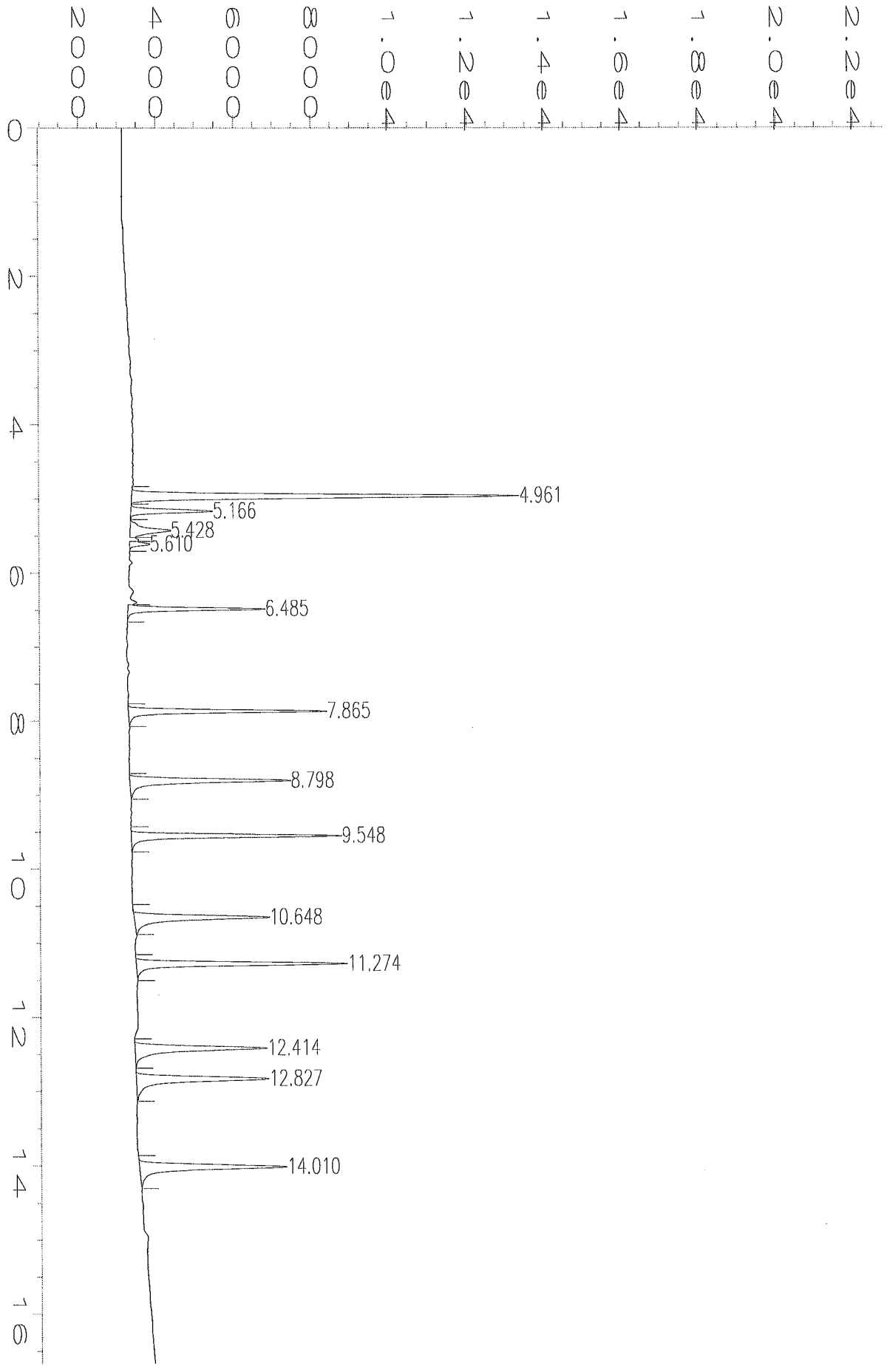
Data File Name : C:\HPCHEM\1\DATA\08266K\QC08266B.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 26 Aug 26 09:34 AM
Report Created on: 26 Aug 26 09:50 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08266K\QC08266B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.961	37248	9977	BV	0.058	18.5580
2	5.166	6991	2106	PV	0.052	3.4832
3	5.428	5544	1043	PV	0.076	2.7623
4	5.610	1568	508	VB	0.047	0.7812
5	6.485	10563	3542	VB	0.046	5.2630
6	7.865	16158	5135	BB	0.048	8.0502
7	8.798	16960	4150	BB	0.061	8.4498
8	9.548	18387	5431	BB	0.052	9.1610
9	10.648	15824	3500	BB	0.068	7.8840
10	11.274	19578	5450	BB	0.055	9.7544
11	12.414	16468	3404	BB	0.075	8.2046
12	12.827	16900	3424	BB	0.075	8.4200
13	14.010	18522	3803	BB	0.074	9.2284

Total area = 200712


4.961
5.166
5.428
5.610
6.485
7.865
8.798
9.548
10.648
11.274
12.414
12.827
14.010
C:\HPCHEM\1\DATA\082696K\QCO82696B.D

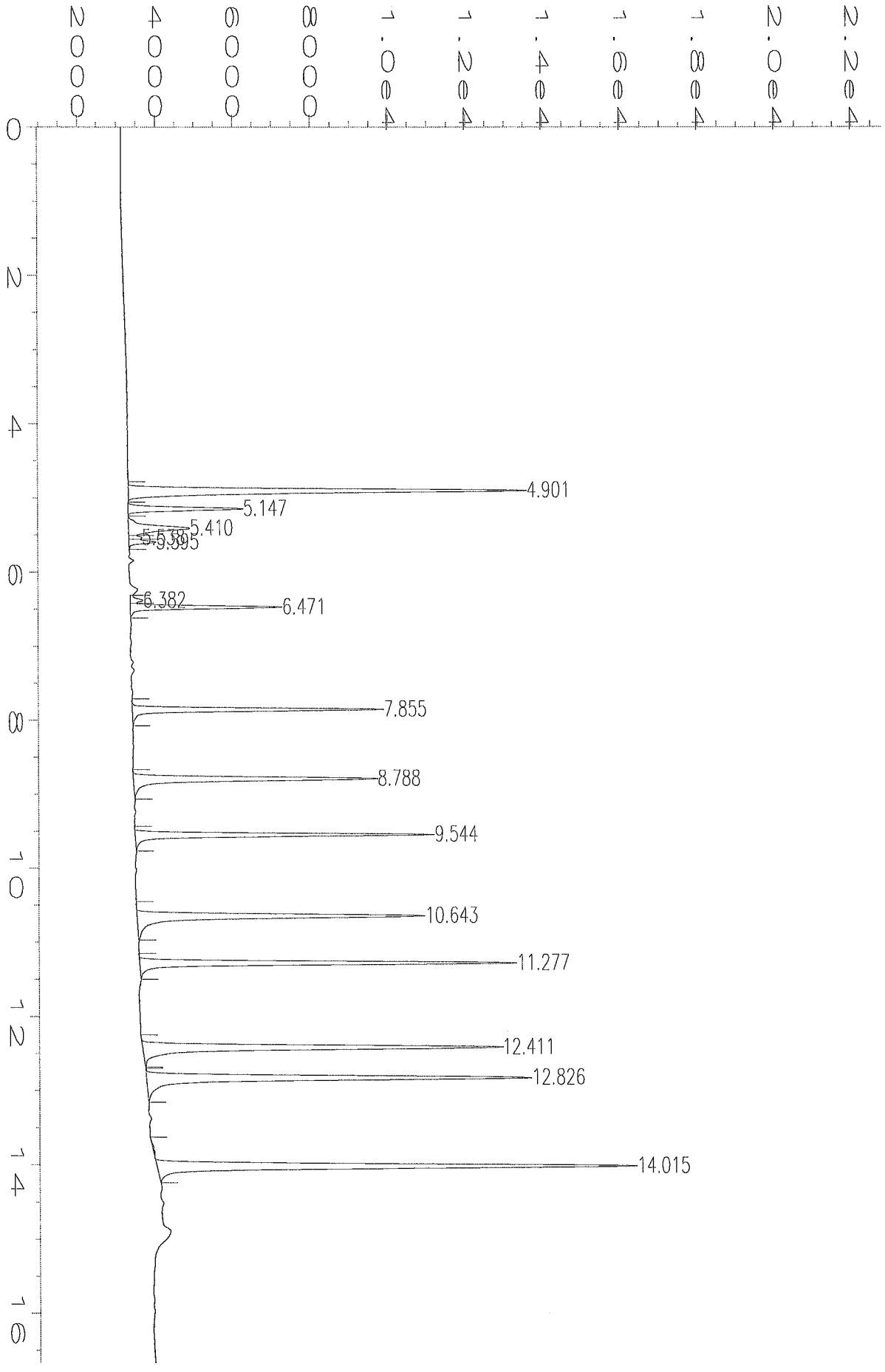
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08266K\QC08266A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST63479
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 26 Aug 26 09:01 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 26 Aug 26 09:18 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08266K\QC08266A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.901	41946	10291	BV	0.062	12.0077
2	5.147	9657	2968	PV	0.051	2.7644
3	5.410	8526	1577	PV	0.079	2.4407
4	5.538	889	332	VV	0.039	0.2544
5	5.595	2161	690	VB	0.047	0.6185
6	6.382	1195	326	VV	0.056	0.3420
7	6.471	11520	3925	VB	0.046	3.2978
8	7.855	20025	6488	BB	0.048	5.7326
9	8.788	24481	6286	BB	0.060	7.0080
10	9.544	25138	7719	BB	0.050	7.1962
11	10.643	31566	7415	BB	0.064	9.0363
12	11.277	33402	9724	BB	0.053	9.5619
13	12.411	40709	9305	BB	0.067	11.6538
14	12.826	44523	9945	BB	0.069	12.7455
15	14.015	53587	12370	BB	0.067	15.3402

Total area = 349322



C:\HPCHEM\1\DATA\08256K\QCO8266A.D

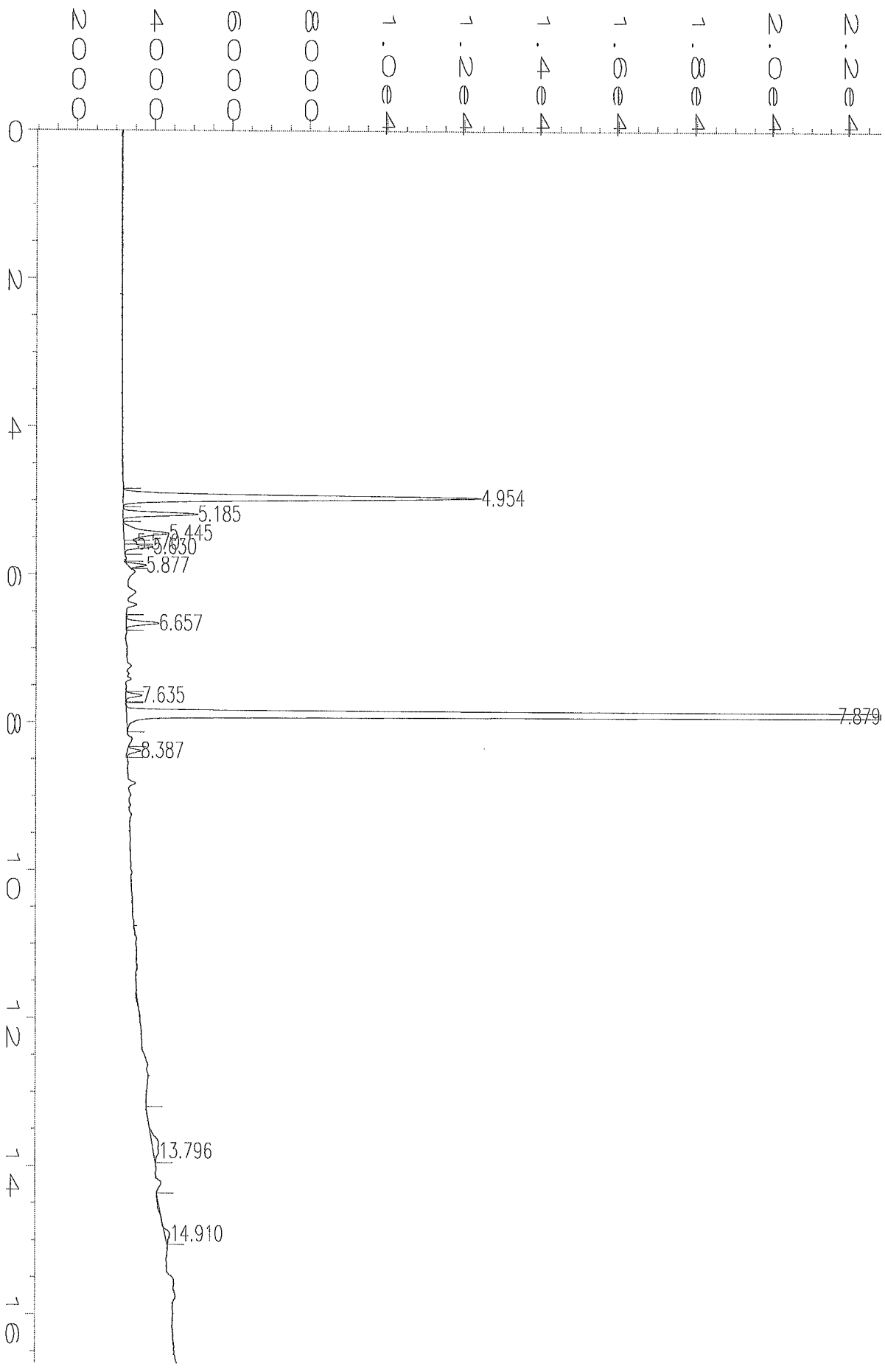
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08266K\C08266A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST62344
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 26 Aug 26 08:17 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 26 Aug 26 08:33 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08266K\C08266A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.954	41489	9260	BV	0.069	10.8351
2	5.185	6455	1930	PV	0.052	1.6858
3	5.445	6751	1171	PV	0.081	1.7630
4	5.570	871	315	VV	0.046	0.2274
5	5.630	2335	740	VB	0.048	0.6099
6	5.877	1300	467	BV	0.044	0.3394
7	6.657	2836	847	BB	0.051	0.7407
8	7.635	1228	410	BB	0.047	0.3207
9	7.879	315469	107157	BB	0.046	82.3868
10	8.387	1165	338	BB	0.053	0.3043
11	13.796	2577	142	BB	0.264	0.6731
12	14.910	435	122	PB	0.079	0.1137

Total area = 382912


4.954
5.185
5.445
5.630
5.877
6.657
7.635
7.879
8.387
13.796
14.910
C:\HPCHEM\1\DATA\[illegible]\CO82686A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 082726-GCK
Date: 08/27/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	76		75		70	130	2	25	
110-54-3	n-Hexane	79		79		70	130	1	25	
71-43-2	Benzene	74		73		70	130	1	25	
142-82-5	n-Heptane	84		83		70	130	1	25	
108-88-3	Toluene	90		88		70	130	2	25	
111-65-9	n-Octane	86		83		70	130	2	25	
108-38-3	m,p-xylene	96		98		70	130	2	25	
95-47-6	o-xylene	98		100		70	130	2	25	
108-67-8	1,3,5-Trimethylbenzene	105		107		70	130	2	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08276C**	**QC08276B**	**C08276A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08276C**	**QC08276B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/27/2026**		
QCBatch:	**082726-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**301743**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C **LCS Area**	B **LCD Area**
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**8538**	**8353**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**13356**	**13224**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**14429**	**14254**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**15626**	**15381**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**16208**	**15922**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**18429**	**17970**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**19036**	**19440**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**19556**	**19910**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**23957**	**24353**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	49	9.8	29.9
n-Hexane	86.2	6	77	12.8	46.7
Benzene	78.1	6	83	13.8	45.7
n-Heptane	100.2	7	90	12.9	54.4
Toluene	92.1	7	93	13.3	51.9
n-Octane	114.2	8	106	13.3	64.0
m,p-xylene	106.2	8	110	13.7	61.4
o-xylene	106.2	8	113	14.1	63.1
1,3,5-Trimethylbenzene	120.2	9	138	15.3	77.8

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	48	9.6
n-Hexane	86.2	6	76	12.7
Benzene	78.1	6	82	13.7
n-Heptane	100.2	7	89	12.7
Toluene	92.1	7	92	13.1
n-Octane	114.2	8	103	12.9
m,p-xylene	106.2	8	112	14.0
o-xylene	106.2	8	115	14.3
1,3,5-Trimethylbenzene	120.2	9	140	15.6

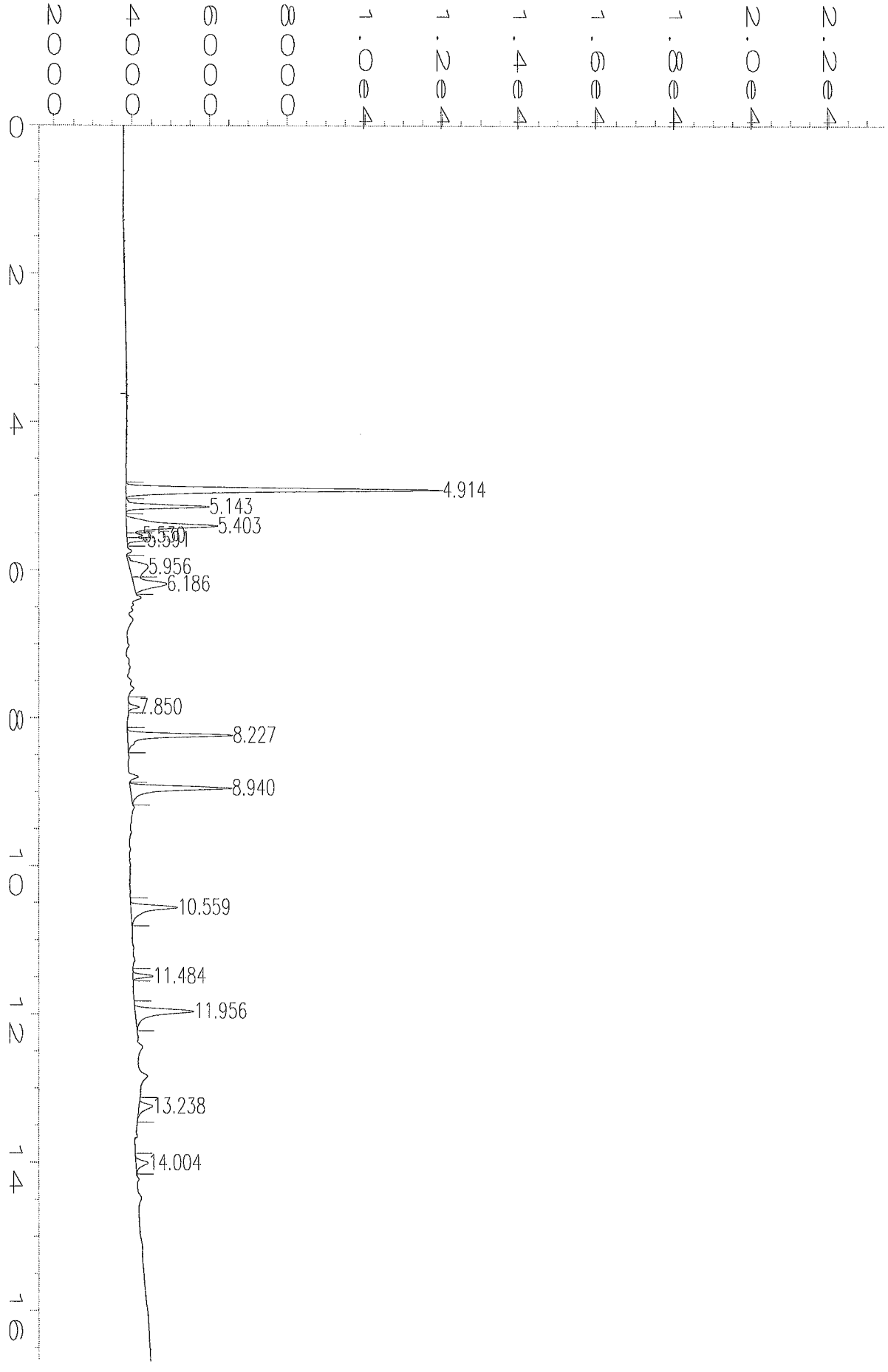
Area Percent Report

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Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : HUMID BLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 27 Aug 26 11:21 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 27 Aug 26 11:38 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08276K\B08276A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.914	29863	8154	BV	0.055	28.8862
2	5.143	6924	2144	VV	0.051	6.6976
3	5.403	12034	2351	PV	0.075	11.6402
4	5.530	1190	383	VV	0.046	1.1511
5	5.591	1518	505	VB	0.045	1.4682
6	5.956	4614	474	PV	0.121	4.4627
7	6.186	5704	854	VV	0.100	5.5170
8	7.850	832	270	BB	0.047	0.8046
9	8.227	10132	2711	BB	0.056	9.8005
10	8.940	11020	2619	PB	0.063	10.6597
11	10.559	6221	1202	BB	0.076	6.0174
12	11.484	1524	514	BB	0.047	1.4745
13	11.956	8159	1519	BB	0.079	7.8923
14	13.238	2030	349	BB	0.087	1.9632
15	14.004	1618	315	BB	0.078	1.5647

Total area = 103381


4.914
5.143
5.403
5.956
6.186
7.850
8.227
8.940
10.559
11.484
11.956
13.238
14.004
C:\HPCHEM\1\DATA\082726K\B0827 6A.D

Area Percent Report

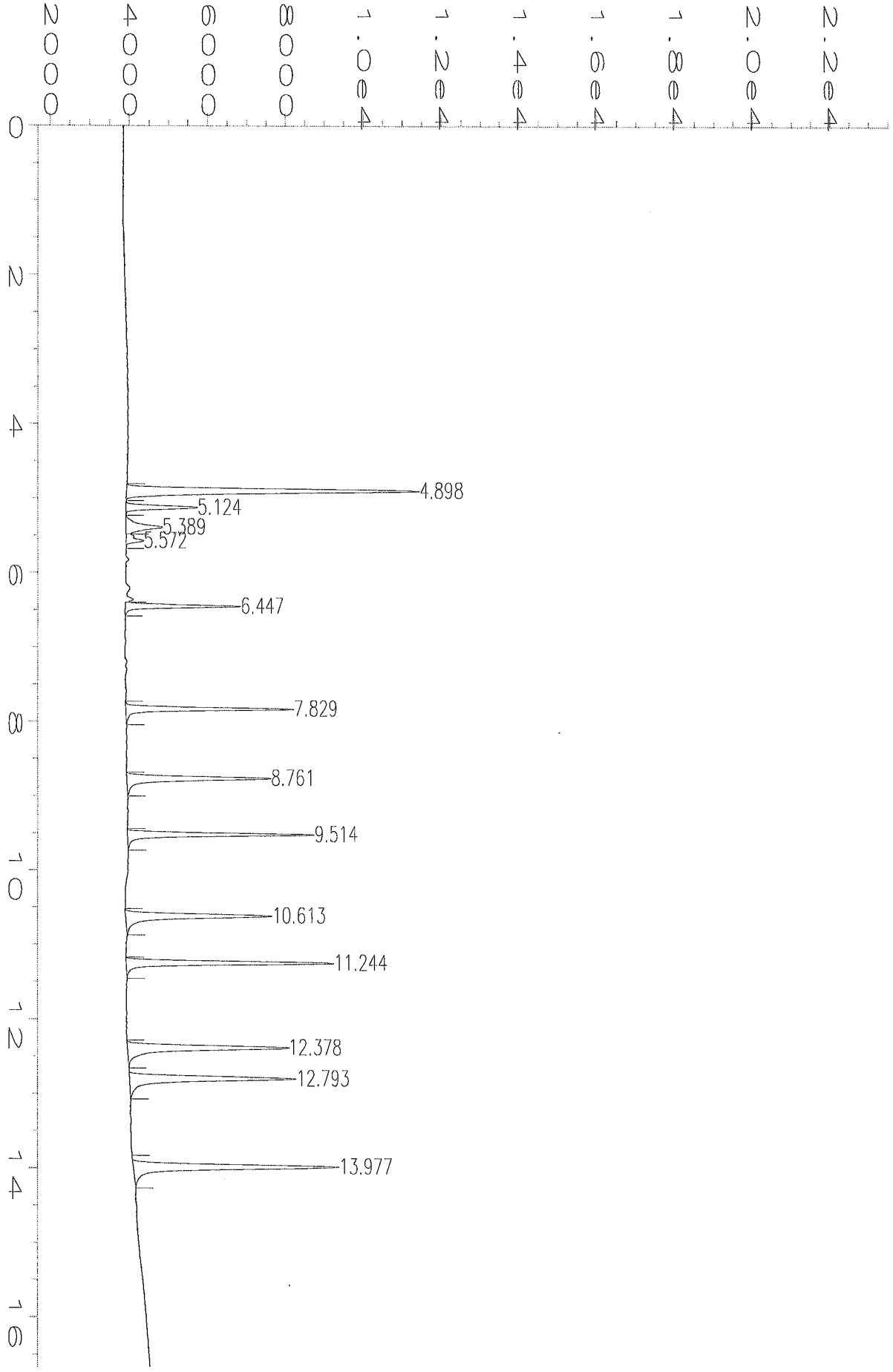
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 27 Aug 26 10:44 AM
Report Created on: 27 Aug 26 11:01 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08276K\QC08276C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.898	31242	7511	BV	0.062	16.1672
2	5.124	5960	1825	PV	0.051	3.0844
3	5.389	5027	914	PV	0.079	2.6013
4	5.572	1878	446	VB	0.060	0.9719
5	6.447	8538	2937	VB	0.045	4.4183
6	7.829	13356	4318	BB	0.048	6.9115
7	8.761	14429	3691	BB	0.059	7.4667
8	9.514	15626	4783	BB	0.050	8.0860
9	10.613	16208	3746	BB	0.065	8.3875
10	11.244	18429	5324	BB	0.054	9.5366
11	12.378	19036	4150	BB	0.070	9.8511
12	12.793	19556	4260	BB	0.070	10.1200
13	13.977	23957	5272	BB	0.069	12.3974

Total area = 193241


4.898
5.124
5.389
5.572
6.447
7.829
8.761
9.514
10.613
11.244
12.378
12.793
13.977
C:\HPCHEM\1\DATA\082706K\QCO82706C.D

Area Percent Report

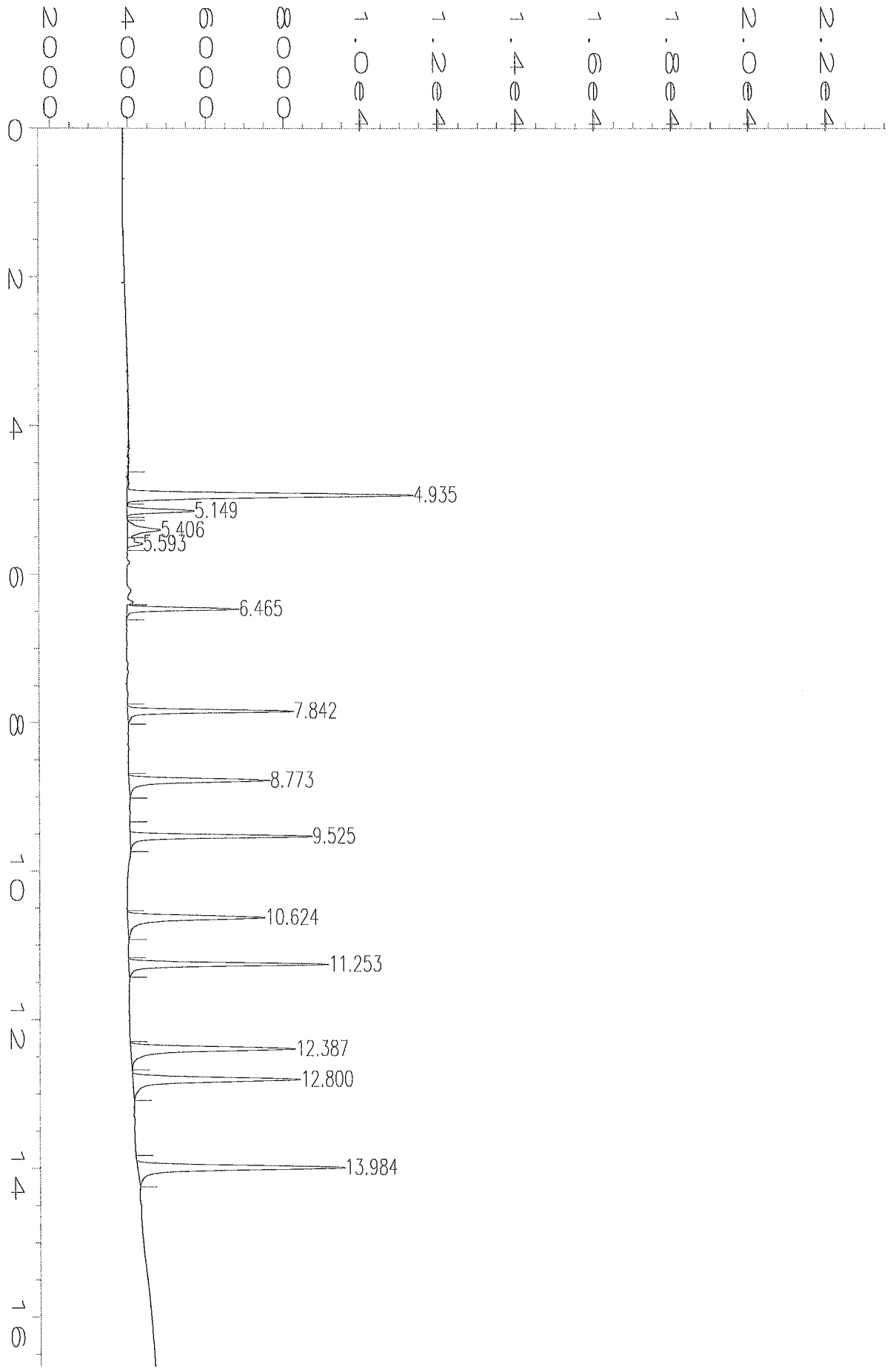
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Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 27 Aug 26 10:10 AM
Report Created on: 27 Aug 26 10:27 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08276K\QC08276B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.935	30964	7377	BV	0.063	16.1478
2	5.149	5769	1728	PB	0.053	3.0085
3	5.406	4544	857	BV	0.075	2.3698
4	5.593	1669	394	VB	0.061	0.8704
5	6.465	8353	2881	VB	0.045	4.3561
6	7.842	13224	4263	BB	0.048	6.8966
7	8.773	14254	3625	BB	0.060	7.4334
8	9.525	15381	4694	BB	0.050	8.0214
9	10.624	15922	3534	BB	0.067	8.3034
10	11.253	17970	5139	BB	0.054	9.3713
11	12.387	19440	4233	BB	0.070	10.1379
12	12.800	19910	4301	BB	0.071	10.3833
13	13.984	24353	5341	BB	0.070	12.7002

Total area = 191752


4.935
5.149
5.406
5.593
6.465
7.842
8.773
9.525
10.624
11.253
12.387
12.800
13.984
C:\HPCHEM\1\DATA\082726K\QC08276B.D

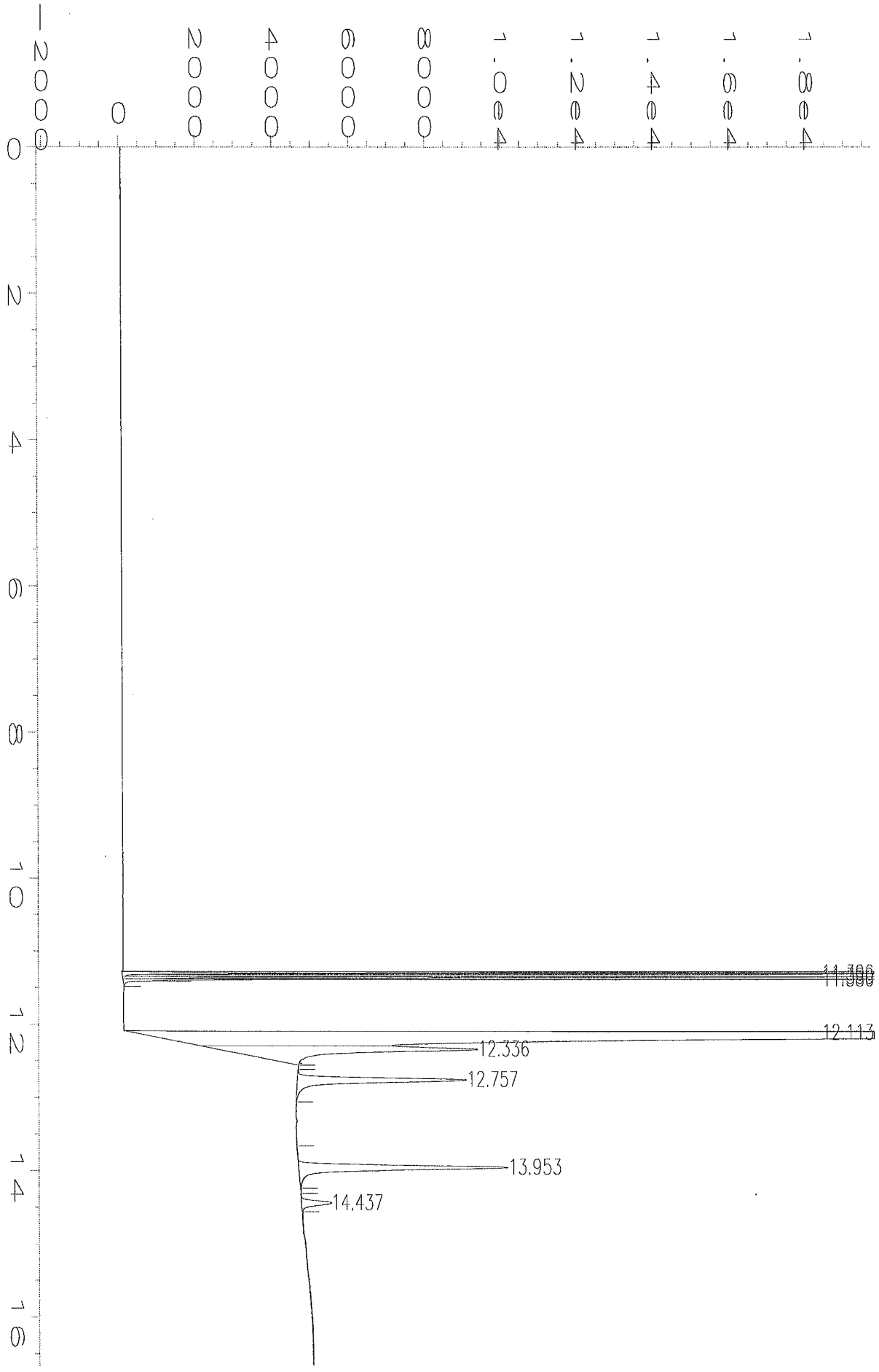
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08276K\QC08276A.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST63479
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 27 Aug 26 09:37 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 27 Aug 26 09:53 AM
Analysis Method : GC1SHORT.MTH
Sample Info :

Sig. 1 in C:\HPCHEM\1\DATA\08276K\QC08276A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	11.306	6421001	1.97519E+007	BV	0.005	43.5658
2	11.350	21916	47298	VV	0.008	0.1487
3	11.386	2730258	1.26632E+007	VB	0.004	18.5245
4	12.113	5474001	6382455	BV	0.043	37.1405
5	12.336	42841	6777	VB	0.089	0.2907
6	12.757	20129	4430	BB	0.068	0.1366
7	13.953	25032	5504	BB	0.069	0.1698
8	14.437	3450	773	BB	0.069	0.0234

Total area = 1.47386E+007


-2000
0
2000
4000
6000
8000
1.0004
1.2004
1.4004
1.6004
1.8004
0
2
4
6
8
10
12
14
16
11.306
11.980
12.113
12.336
12.757
13.953
14.437
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Area Percent Report

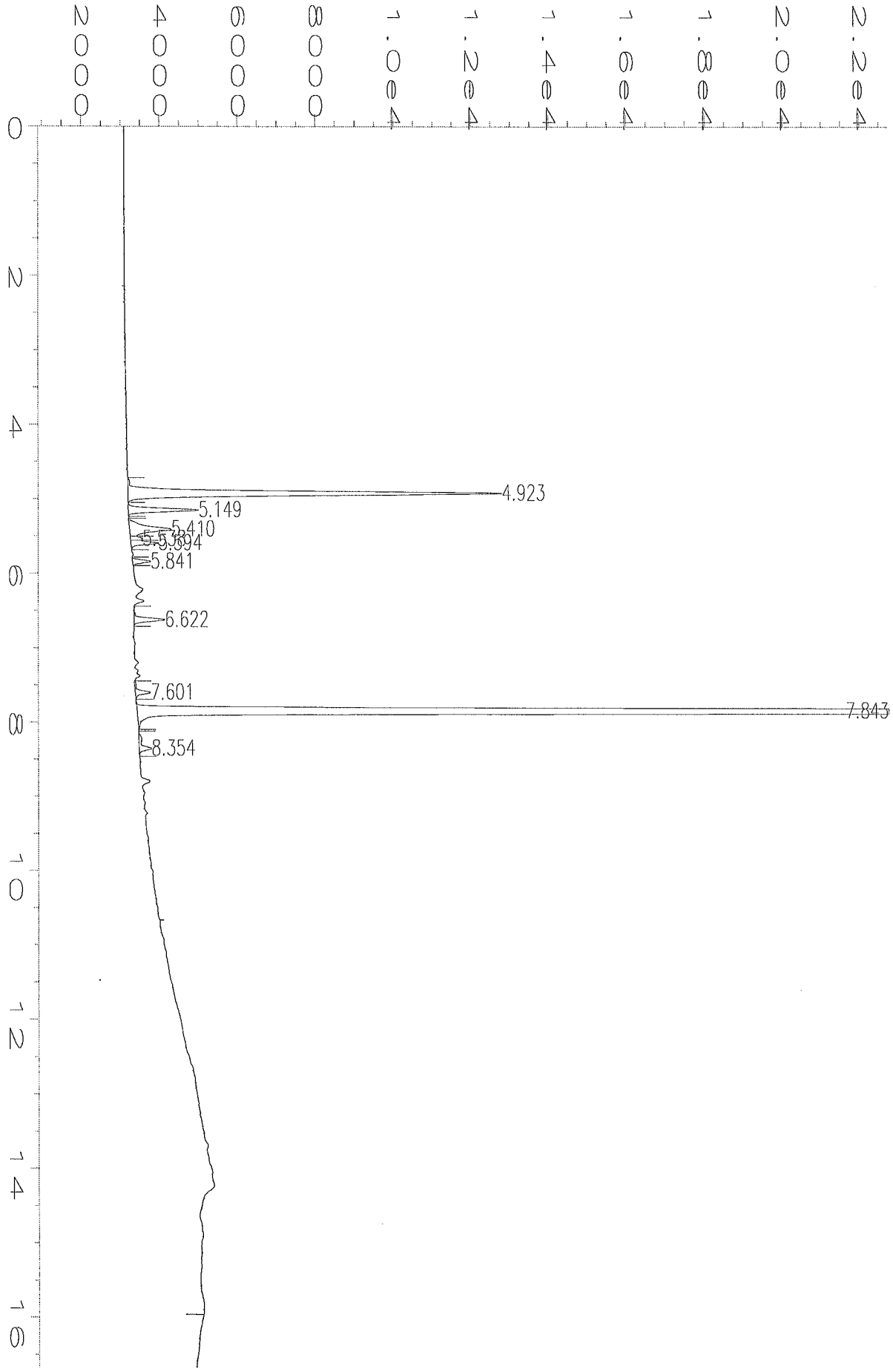
Data File Name : C:\HPCHEM\1\DATA\08276K\C08276A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 27 Aug 26 07:48 AM
Report Created on: 27 Aug 26 08:05 AM
Sample Info :

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08276K\C08276A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.923	38955	9608	BV	0.062	10.7459
2	5.149	5924	1798	PB	0.052	1.6342
3	5.410	5936	1069	BV	0.079	1.6376
4	5.538	817	308	VV	0.044	0.2255
5	5.594	2180	703	VB	0.047	0.6013
6	5.841	1339	468	PV	0.045	0.3694
7	6.622	2585	784	PB	0.051	0.7131
8	7.601	1437	400	PB	0.054	0.3964
9	7.843	301743	99651	BB	0.047	83.2378
10	8.354	1591	323	BB	0.069	0.4388

Total area = 362507


2000
4000
6000
8000
1.0e4
1.2e4
1.4e4
1.6e4
1.8e4
2.0e4
2.2e4
0
2
4
6
8
10
12
14
16
4.923
5.149
5.410
5.694
5.841
6.622
7.601
7.843
8.354
C:\HPCHEM\1\DATA\082706K\CO82706A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 083126-GCK
Date: 08/31/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	99		99		70	130	1	25	
110-54-3	n-Hexane	104		104		70	130	0	25	
71-43-2	Benzene	100		95		70	130	5	25	
142-82-5	n-Heptane	110		107		70	130	3	25	
108-88-3	Toluene	120		103		70	130	17	25	
111-65-9	n-Octane	111		100		70	130	11	25	
108-38-3	m,p-xylene	108		104		70	130	5	25	
95-47-6	o-xylene	114		106		70	130	8	25	
108-67-8	1,3,5-Trimethylbenzene	110		115		70	130	5	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-12 Total Non-Methane Hydrocarbons

	LCS	LCD	STD
File Name:	**QC08316C**	**QC08316B**	**C08316A**
SDG:	**LABQC**	**LABQC**	
LCS EAS ID:	**QC08316C**	**QC08316B**	
Time:	**10:42**	**11:32**	
Date Analyzed:	**08/31/2026**		
QCBatch:	**083126-GCK**	Method: **TO-12**	TO-14
Hexane Con Cal:	**316715**		TO-03
Standard:	**ST62334**	Not Detected Flag: **ND**	EPA 18
Chem:	**TRG**	SF: **2**	TO-12
Matrix:	**AA**	Instrument: **GCK**	
Can Factor:	**1.00**	Unit Factor **20**	
Volume:	**1.00** ml		

CAS#	Compound		PAMS	STD RT	Corrected RT	Samp RT	C LCS Area	B LCD Area
109-66-0	n-Pentane	10	P	**6.52**	**6.44**	**6.44**	**11100**	**11024**
110-54-3	n-Hexane	19	P	**7.89**	**7.81**	**7.83**	**17479**	**17452**
71-43-2	Benzene	27	P	**8.82**	**8.76**	**8.77**	**19510**	**18558**
142-82-5	n-Heptane	36	P	9.57	9.51	9.53	**20498**	**19852**
108-88-3	Toluene	43	P	**10.67**	**10.61**	**10.43**	**21644**	**18620**
111-65-9	n-Octane	53	P	11.29	11.05	11.26	**23908**	**21479**
108-38-3	m,p-xylene	57	P	12.43	12.19	12.40	**21387**	**20486**
95-47-6	o-xylene	63	P	12.84	12.61	12.81	**22642**	**21145**
108-67-8	1,3,5-Trimethylbenzene	72	P	14.03	13.80	14.00	**25035**	**26101**

Kryo RT	
12.014	1
15.568	2
17.24	3
18.745	4
20.477	5
21.595	6
23.284	7
23.886	8
25.724	9

CALCULATIONS

EPA Method TO-12 Total Non-Methane Hydrocarbons

Calibration	03/20/24		
Can Dilution Factor:	1.00		
Air Volume:	1		
Combined Factor:	0.001	1000.00	Basis
Gas Constant:	23.68		
Decimal Places:	2		

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV	Result mg/m3
n-Pentane	72.1	5	64	12.8	38.9
n-Hexane	86.2	6	101	16.8	61.1
Benzene	78.1	6	112	18.7	61.7
n-Heptane	100.2	7	118	16.9	71.3
Toluene	92.1	7	125	17.8	69.2
n-Octane	114.2	8	138	17.2	83.0
m,p-xylene	106.2	8	123	15.4	69.0
o-xylene	106.2	8	130	16.3	73.1
1,3,5-Trimethylbenzene	120.2	9	144	16.0	81.3

Compound	M.W.	Carbon #	Result ppmC	RESULTV ppmV
n-Pentane	72.1	5	63	12.7
n-Hexane	86.2	6	100	16.7
Benzene	78.1	6	107	17.8
n-Heptane	100.2	7	114	16.3
Toluene	92.1	7	107	15.3
n-Octane	114.2	8	124	15.5
m,p-xylene	106.2	8	118	14.7
o-xylene	106.2	8	122	15.2
1,3,5-Trimethylbenzene	120.2	9	150	16.7

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08316K\B08316B.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : METHOD BLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Aug 26 11:18 AM
Instrument Method: KTO3DHC.MTH
Report Created on: 31 Aug 26 11:55 AM
Analysis Method : KTO3DHC.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08316K\B08316B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	3.430	4005	761	VV	0.071	5.0927
2	3.604	2302	738	PV	0.041	2.9268
3	3.628	1301	764	VB	0.028	1.6539
4	4.139	1268	346	VV	0.050	1.6124
5	4.230	46760	21949	VV	0.033	59.4612
6	5.181	1724	746	BV	0.035	2.1920
7	5.259	4768	1679	VV	0.041	6.0633
8	7.209	831	287	BV	0.046	1.0565
9	8.594	873	417	BV	0.037	1.1095
10	8.652	3386	968	VB	0.047	4.3061
11	25.431	11423	541	BV	0.314	14.5256

Total area = 78639

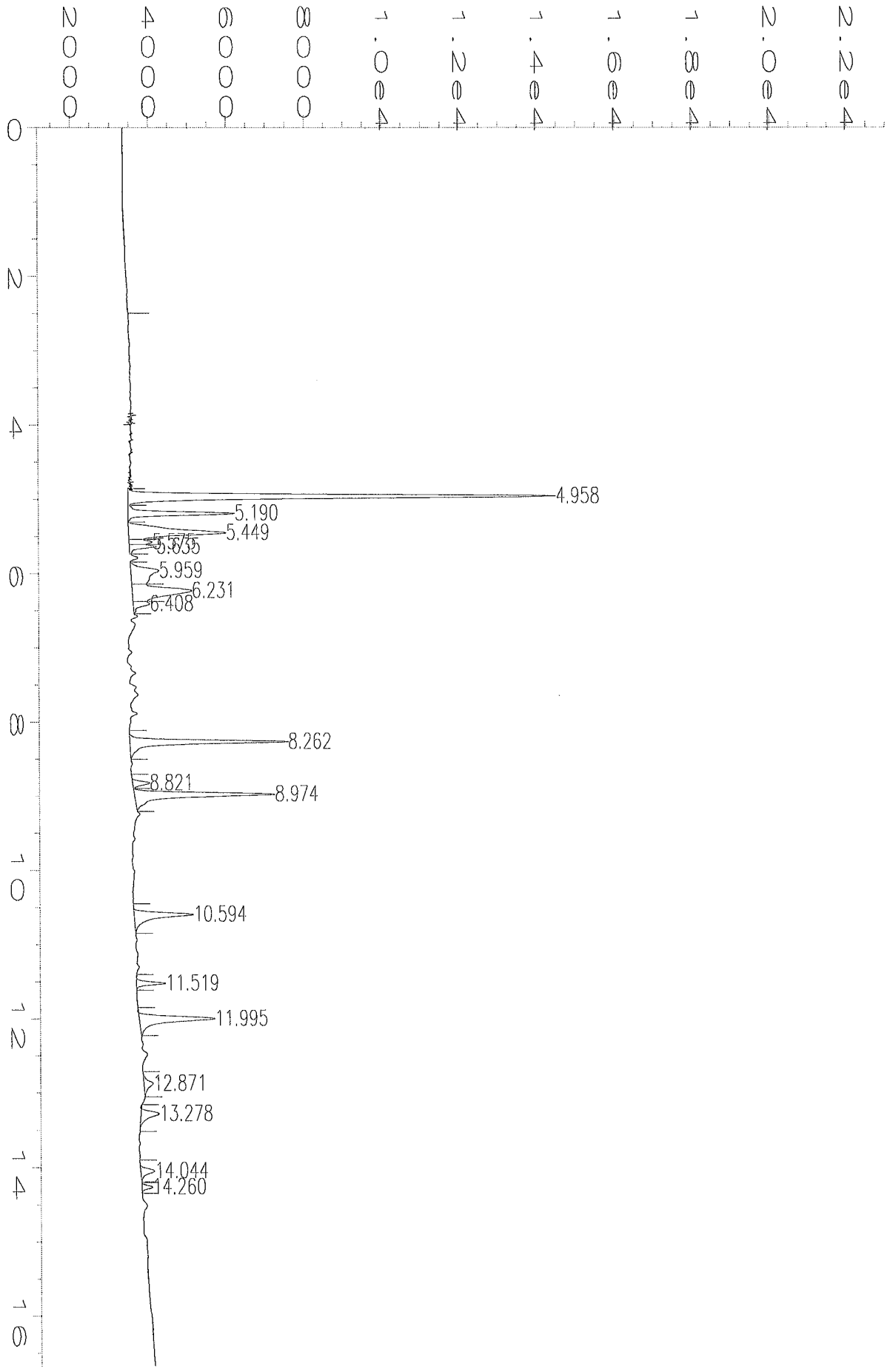
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08316K\B08316A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : HUMID BLANK
Run Time Bar Code:
Acquired on : 31 Aug 26 10:48 AM
Report Created on: 31 Aug 26 11:04 AM
Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08316K\B08316A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.958	40608	11023	PV	0.057	26.8961
2	5.190	9285	2738	VV	0.053	6.1498
3	5.449	15133	2501	PV	0.085	10.0232
4	5.575	1946	594	VV	0.047	1.2887
5	5.635	2335	699	VV	0.049	1.5468
6	5.959	7345	724	PV	0.136	4.8650
7	6.231	12240	1516	VV	0.116	8.1074
8	6.408	1870	417	VB	0.066	1.2383
9	8.262	15440	4064	BV	0.057	10.2268
10	8.821	1603	437	BV	0.057	1.0614
11	8.974	15836	3603	VV	0.065	10.4885
12	10.594	7820	1517	BB	0.076	5.1793
13	11.519	2249	746	BB	0.047	1.4898
14	11.995	10294	1939	BB	0.080	6.8179
15	12.871	1599	231	BB	0.099	1.0588
16	13.278	2743	471	BB	0.086	1.8167
17	14.044	1767	360	BB	0.076	1.1704
18	14.260	868	272	BB	0.050	0.5750

Total area = 150979


4.958
5.190
5.449
5.959
6.231
6.408
8.262
8.821
8.974
10.594
11.519
11.995
12.871
13.278
14.044
14.260
C:\HPCHEM\1\DATA\QS2116K\BO8316A.D

Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCK\08316K\QC08316C.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 31 Aug 26 10:12 AM
Report Created on: 31 Aug 26 02:35 PM

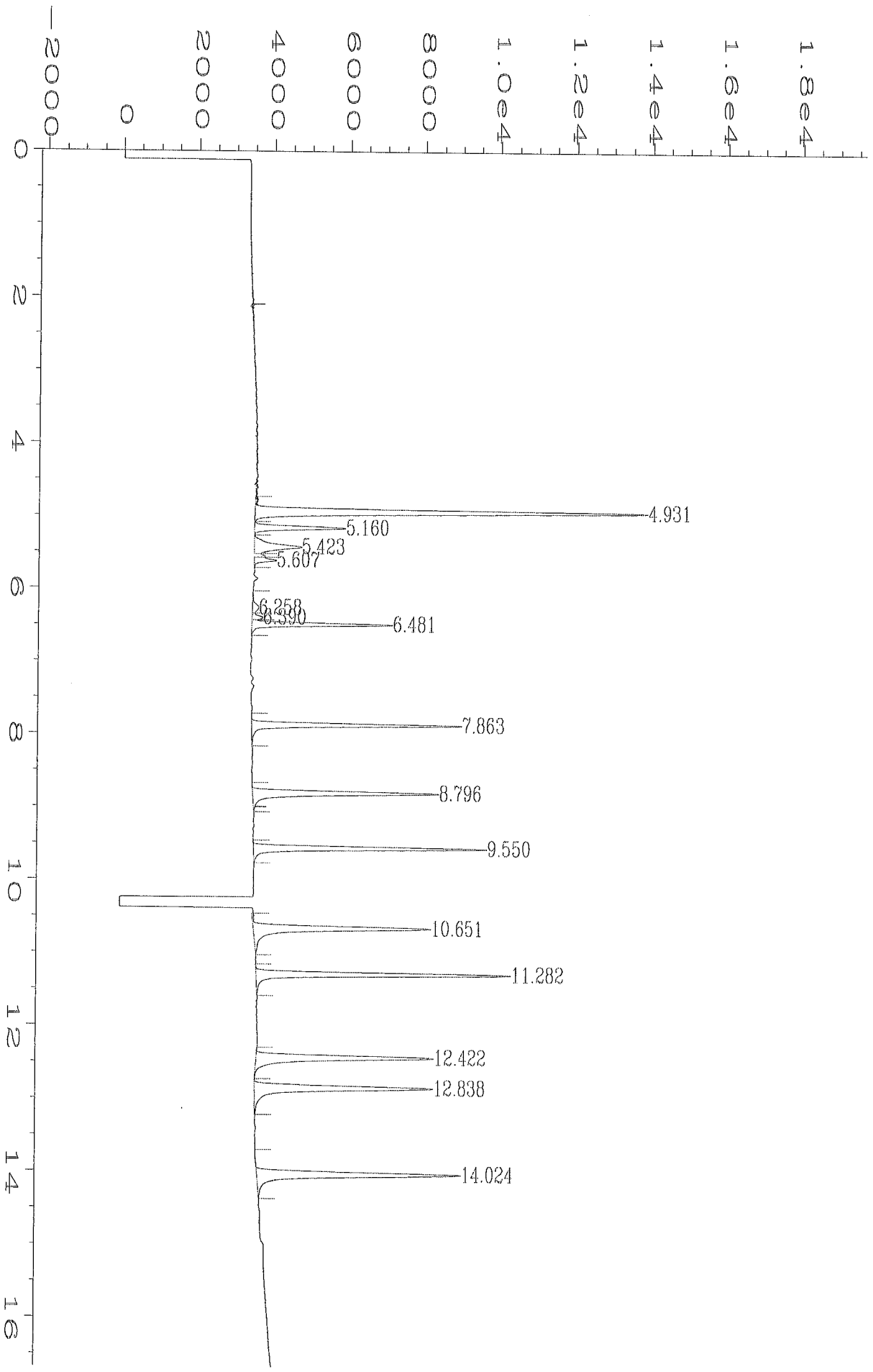
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Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCK\08316K\QC08316C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.931	41978	10399	BV	0.062	17.1669
2	5.160	8107	2420	VV	0.052	3.3155
3	5.423	7123	1255	PV	0.080	2.9129
4	5.607	1903	587	VB	0.049	0.7782
5	6.258	1174	175	BV	0.086	0.4800
6	6.390	1038	290	VV	0.054	0.4247
7	6.481	11100	3740	VV	0.046	4.5396
8	7.863	17479	5571	BV	0.048	7.1479
9	8.796	19510	4926	BB	0.060	7.9785
10	9.550	20498	6193	BB	0.051	8.3829
11	10.651	21644	4706	MM	0.077	8.8514
12	11.282	23908	6753	BB	0.054	9.7772
13	12.422	21387	4694	BV	0.069	8.7464
14	12.838	22642	4730	PB	0.073	9.2596
15	14.024	25035	5399	BB	0.071	10.2382

Total area = 244526

User Modified



C:\GCCHEM\1\DATA\CGK\083168K\QC083168C.D

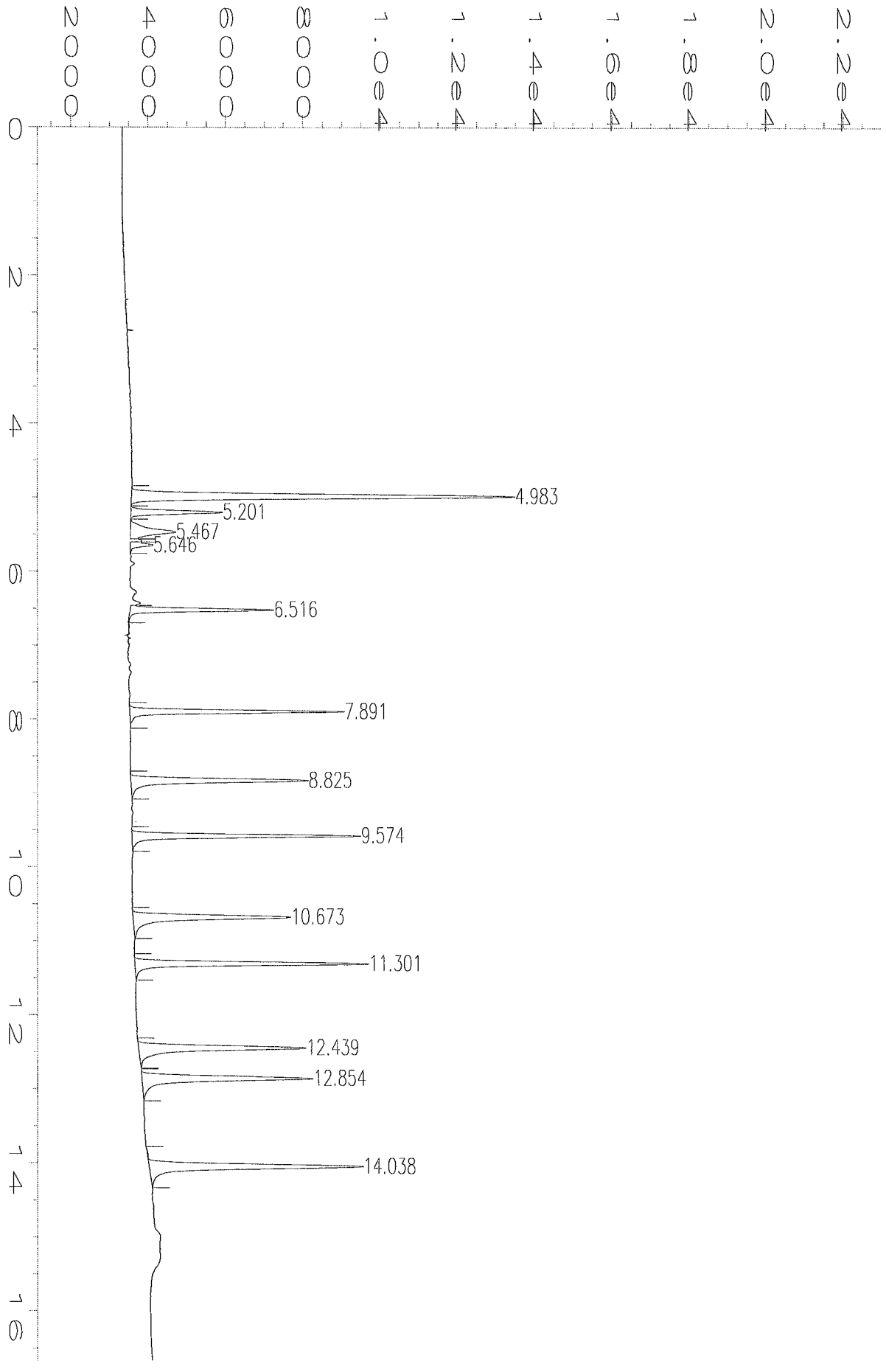
Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08316K\QC08316B.D
Operator : KL
Page Number : 1
Instrument : ANALYZER1
Vial Number : 1
Sample Name : ST63479
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 31 Aug 26 09:38 AM
Instrument Method: GC1SHORT.MTH
Report Created on: 31 Aug 26 09:55 AM
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08316K\QC08316B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.983	41519	9912	BV	0.064	17.8066
2	5.201	7908	2371	PV	0.052	3.3916
3	5.467	7020	1165	PV	0.082	3.0109
4	5.646	2003	585	VB	0.050	0.8590
5	6.516	11024	3712	VB	0.046	4.7279
6	7.891	17452	5557	BB	0.048	7.4848
7	8.825	18558	4586	BB	0.062	7.9592
8	9.574	19852	5912	BB	0.052	8.5139
9	10.673	18620	4073	BB	0.068	7.9855
10	11.301	21479	6037	BB	0.055	9.2117
11	12.439	20486	4327	BB	0.071	8.7859
12	12.854	21145	4413	BB	0.073	9.0685
13	14.038	26101	5540	BB	0.072	11.1943

Total area = 233167



C:\HPCHEM\1\DATA\DR3\16KVQCO831 6B.D

Area Percent Report

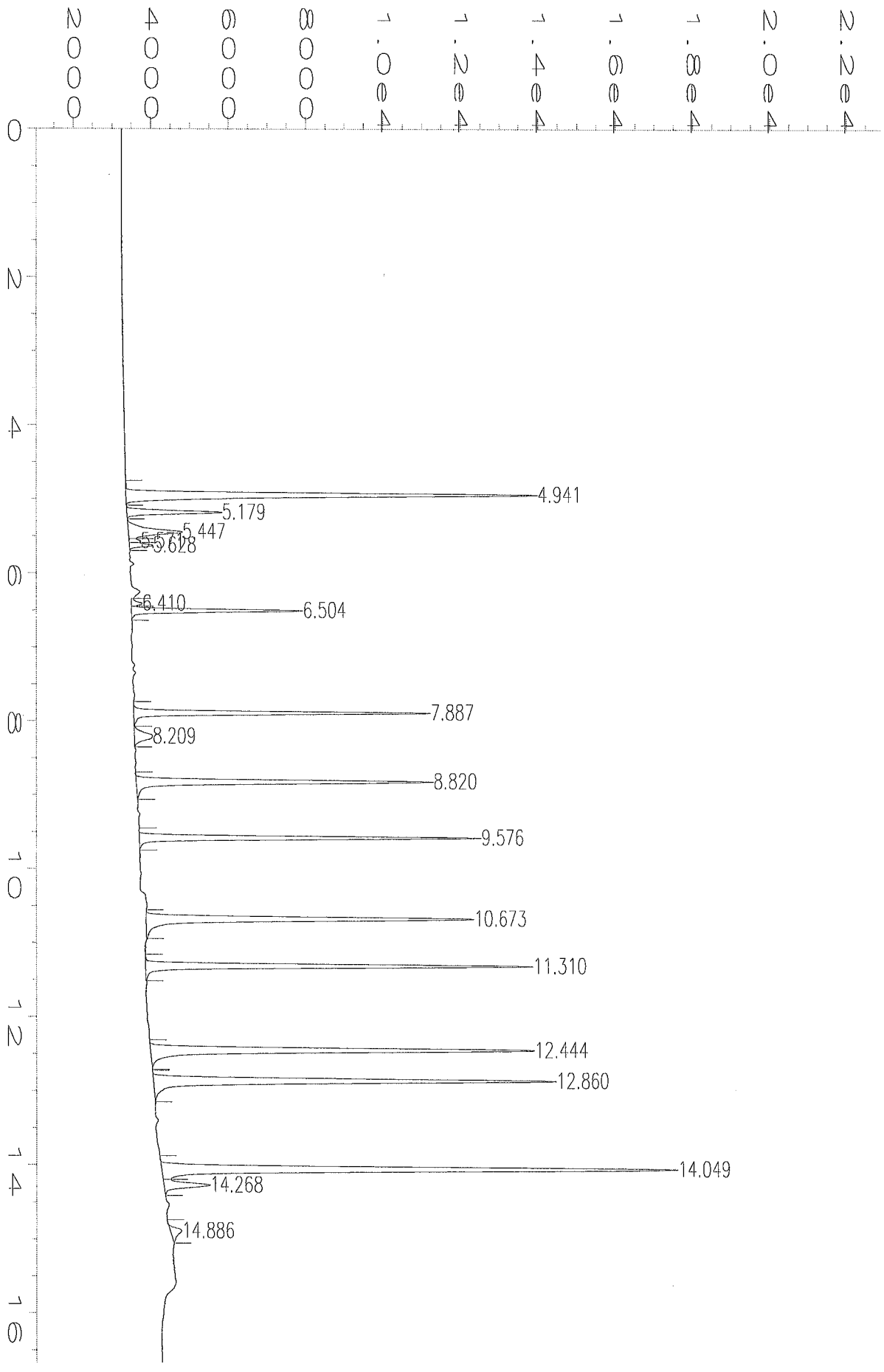
Data File Name : C:\HPCHEM\1\DATA\08316K\QC08316A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST63479
Run Time Bar Code:
Acquired on : 31 Aug 26 09:07 AM
Report Created on: 31 Aug 26 09:24 AM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08316K\QC08316A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.941	41883	10638	BV	0.060	11.1246
2	5.179	8136	2455	PV	0.052	2.1610
3	5.447	7844	1385	VV	0.081	2.0833
4	5.571	822	300	VV	0.038	0.2182
5	5.628	1822	597	VB	0.046	0.4838
6	6.410	973	274	VV	0.054	0.2584
7	6.504	12762	4423	VB	0.045	3.3899
8	7.887	23088	7654	BV	0.047	6.1324
9	8.209	3426	457	VV	0.099	0.9100
10	8.820	28214	7669	BB	0.056	7.4939
11	9.576	27654	8822	BB	0.049	7.3452
12	10.673	34161	8458	BV	0.062	9.0736
13	11.310	34029	10002	BV	0.053	9.0386
14	12.444	41970	9919	BB	0.065	11.1478
15	12.860	44850	10405	BB	0.066	11.9127
16	14.049	57311	13326	BV	0.067	15.2224
17	14.268	5562	1195	VB	0.071	1.4774
18	14.886	1983	291	BB	0.103	0.5266

Total area = 376488


4.941
5.179
5.447
5.628
6.410
6.504
7.887
8.209
8.820
9.576
10.673
11.310
12.444
12.860
14.049
14.268
14.886
C:\HPCHEM\1\DATA\QE76KQCQ08316A.D

Area Percent Report

Data File Name : C:\HPCHEM\1\DATA\08316K\C08316A.D
Operator : KL
Instrument : ANALYZER1
Sample Name : ST62344
Run Time Bar Code:
Acquired on : 31 Aug 26 08:32 AM
Report Created on: 31 Aug 26 08:43 AM

Page Number : 1
Vial Number : 1
Injection Number :
Sequence Line :
Instrument Method: GC1SHORT.MTH
Analysis Method : GC1SHORT.MTH

Sig. 1 in C:\HPCHEM\1\DATA\08316K\C08316A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	4.989	46145	9440	BV	0.074	11.6134
2	5.225	9504	2791	PV	0.054	2.3920
3	5.484	9853	1482	VV	0.096	2.4798
4	5.614	981	380	VV	0.039	0.2468
5	5.672	2830	880	VB	0.048	0.7122
6	5.920	1933	553	BB	0.054	0.4866
7	6.451	728	237	PV	0.047	0.1833
8	6.699	4692	1105	PB	0.063	1.1809
9	7.269	916	183	BV	0.063	0.2306
10	7.672	1117	382	BB	0.045	0.2811
11	7.915	316715	106300	BV	0.047	79.7082
12	8.425	1928	357	VB	0.073	0.4852

Total area = 397343

4.989
5.225
5.484
5.614
5.672
5.920
6.451
6.699
7.269
7.672
7.915
8.425
C:\HPCHEM\1\DATA\CE216K\CO8316A.D

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

EPA Method TO-12 Total Non-Methane Hydrocarbons

QC_Batch: 083126-GCK
Date: 08/31/2026

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate Duplicate %	Duplicate Limit %	Flag
109-66-0	n-Pentane	99		99		70	130	1	25	
110-54-3	n-Hexane	104		104		70	130	0	25	
71-43-2	Benzene	100		95		70	130	5	25	
142-82-5	n-Heptane	110		107		70	130	3	25	
108-88-3	Toluene	120		103		70	130	17	25	
111-65-9	n-Octane	111		100		70	130	11	25	
108-38-3	m,p-xylene	108		104		70	130	5	25	
95-47-6	o-xylene	114		106		70	130	8	25	
108-67-8	1,3,5-Trimethylbenzene	110		115		70	130	5	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

EPA Method TO-14 FID

SDG: **LABQC**
EAS ID: **B08316**
File Name: **B08316B** B
Sample ID: **METHOD BLANK**
Sampled: **NA**
Received: **NA**
Analyzed: **08/31/2026**
QCBatch: **083126-GCK**
Can: **NA**
Can Factor: **1.00**
Volume: **200.0**
Type: **MB**

Method: TO-14FID TO-14FID
Not Detected Flag: **ND** TO-15FID
SF: **2** TO-3
Instrument: **GCK** EPA 18M
Time: **NA** Matrix **AA**
Time: **NA** Chem **TRG**
Time: **11:18** MDL Fac: **1.0**
Unit Factor **1000** 1000 for ppb 1 for ppm
Hexane Area: **316715**
Hexane Concentration: **18.05**
Standard Volume: **1.00**
Standard ID: **ST62344**

RT Win C2-C5 C5-C12
RT **0.3** **0.1**
RTI **3** **3**

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
74-85-1	Ethene	P	4.06	4.05			NA	NA	NA		
74-86-2	Acetylene	P	4.10	4.09			NA	NA	NA		
74-84-0	Ethane	P	4.17	**4.17**	**4.16**	0	I	I	H	200	200
115-07-1	Propene	P	5.11	5.11						-198	290
74-98-6	Propane	P	5.20	**5.20**	**5.20**		I	I	H	300	300
75-28-5	i-Butane	P	6.60	**6.60**						134	351
106-98-9	1-Butene	P	7.29	7.29	**7.23**	0	I	I	H	365	367
106-97-8	n-Butane	P	8.34	**8.34**	**8.34**		I	I	H	400	400
624-64-6	t-2-Butene	P	8.75	8.75						198	410
590-18-1	c-2-Butene	P	9.63	9.63						198	431
78-78-4	i-Pentane	P	11.37	11.37						198	473
109-67-1	1-Pentene	P	12.30	12.30						198	495
109-66-0	n-Pentane	P	12.48	**12.48**	**12.48**		I	I	H	500	500
646-04-8	t-2-Pentene	P	12.79	12.79						162	510
627-20-3	c-2-Pentene	P	13.08	13.08						162	518
75-83-2	2,2-Dimethylbutane	P	13.77	13.77						162	537
287-92-3	Cyclopentane	P	14.88	14.88						162	567
79-29-8	2,3-Dimethylbutane	P	15.06	15.06						162	570
107-83-5	2-Methylpentane	P	15.08	15.08						162	571
96-14-0	3-Methylpentane	P	15.55	15.55						162	583
110-54-3	n-Hexane	P	16.17	**16.17**	**16.17**		I	I	H	600	600
96-37-7	Methylcyclopentane	P	16.86	16.86						101	622
108-08-7	2,4-Dimethylpentane	P	17.05	17.05						101	626
71-43-2	Benzene	P	17.87	**17.87**	**17.89**	0	I	I	H	653	651
110-82-7	Cyclohexane	P	18.14	18.16						101	658
591-76-4	2-Methylhexane	P	18.38	18.40						101	670
565-59-3	2,3-Dimethylpentane	P	18.45	18.47						101	671
589-34-4	3-Methylhexane	P	18.66	18.68						101	678
540-84-1	2,2,4-Trimethylpentane	P	19.09	19.11	**19.11**	0	I	I	H	691	690
142-82-5	n-Heptane	P	19.41	19.43	**19.41**		I	I	H	700	700
108-87-2	Methylcyclohexane	P	20.09	20.11						21	722
565-75-3	2,3,4-Trimethylpentane	P	20.93	20.95						21	753
108-88-3	Toluene	P	21.12	**21.14**	**21.12**		I	I	H	760	758
592-27-8	2-Methylheptane	P	21.33	21.33						21	768
589-81-1	3-Methylheptane	p	21.55	21.55						21	775
111-65-9	n-Octane	P	22.27	22.27	**22.27**		I	I	H	800	800

CAS#	Compound	PAMS	STD RT	Corrected RT	Samp RT	Sample Area	RT in/out	RTI in/out	Flag	Calc RTI	EAS RTI
100-41-4	Ethylbenzene	P	23.75	23.75						-57	855
108-38-3	m,p-xylene	P	23.95	23.95						-57	863
100-42-5	Styrene	P	24.40	24.40						-57	881
95-47-6	o-xylene	P	24.57	24.57						-57	886
111-84-2	n-Nonane	P	24.87	24.87	**24.87**		I	I	H	900	900
98-82-8	i-Propylbenzene	P	25.36	25.36						-141	919
103-65-1	n-propylbenzene	P	25.93	25.93						-141	947
620-14-4	3-Ethyltoluene	P	26.17	26.17						-141	957
622-96-8	4-Ethyltoluene	P	26.26	26.26						-141	959
108-67-8	1,3,5-Trimethylbenzene	P	26.45	26.45						-141	964
611-14-3	2-Ethyltoluene	P	26.61	26.61						-141	975
95-63-6	1,2,4-Trimethylbenzene	P	27.08	27.08						-141	991
124-18-5	n-Decane	P	27.26	27.26	**27.26**		I	I	H	1000	1000
526-73-8	1,2,3-Trimethylbenzene	P	27.55	27.55						-48	1014
141-93-5	1,3-Diethylbenzene	P	28.10	28.10						-48	1032
105-05-5	1,4-Diethylbenzene	P	28.23	28.23						-48	1037
1120-21-4	Undecane	P	29.86	3.41	**29.86**		O	I	M	1100	1100
112-40-3	Dodecane	P	32.46	6.01	**32.46**		O	I	M	1200	1200
Abbreviation	**Total Petroleum Hydrocarbons:**					**0**		TPH Subtractions			
TNMHC - C6	Total Non-Methane Hydrocarbons-C6					0		0			
TNMHC - C1	Total Non-Methane Hydrocarbons-C1					0		0			

Continuing Calibration Data Package

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Continuing Calibration QC Batch report for each DAB in this SDG.

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Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

CALIBRATION REPORT

GC/FID Methods EPA TO-03, EPA TO-12, EPA-TO15 FID, EPA-TO-14 , EPA 18 M

SDG: LABQC
QC_Batch: 073126-GCK
Date: 07/31/26
Cal Update: 03/25/25
Standard 18.05
Standard Volume 1.0
Standard ID: 1

Sample Calculation:

1) RRF = $\frac{(Astdni)}{(Cstdni)}$

For EPA PAMS Method the Concentrations of Individual Compounds are Calculated form Daily Hexane Std.

Compound	Area Astdi	Cal Level Cstdi ppbv	Daily RRF	ICAL RRF	%DEV	%DEV LIMIT	%DEV FLAG
Hexane	342823	18.050	18993	23534	-19.3	30	IN

Initial Calibration Data Packages

Samples were analyzed using the methods listed in Section 3. For each of the methods there is an Initial Calibration Curve that meets the criteria defined in Section 2 on Quality Control for the modified method.

Index

Response Factors
Quant Report

INITIAL CALIBRATION REPORT

GC/FID Methods EPA TO-03, EPA TO-12, EPA-TO15 FID, EPA-TO-14 , EPA 18 M

SDG: LABQC
QC_Batch: 073126-GCK
Initial Cal Date: 3/25/25
Standard ST2344
Std Concentration 18.05 ppmV

	Calibration Amount CA, ppbv						Calibration Response, Area					
	Level 1	Level 2	Level 4	Level 5	Level 7	Level 8	Level 1	Level 2	Level 4	Level 5	Level 7	Level 8
	Amt	Amt	Amt	Amt	Amt	Amt	C03255D	C03255C	C03255B	C03255A	C03255F	C03255E
Compound	0.03	0.10	0.50	1.00	5.00	10.00	0.030	0.10	0.50	1.00	5.00	10.00
Hexane	**0.54**	**1.81**	**9.03**	**18.05**	**90.25**	**180.50**	**16618**	**43019**	**213080**	**394918**	**1917949**	**3599200**

INITIAL CALIBRATION REPORT: Response Factors

GC/FID Methods EPA TO-03, EPA TO-12, EPA-TO15 FID, EPA-TO-14 , EPA 18 M

QC_Batch: **073126-GCK**
Initial Cali Date: 03/25/25

Sample Calculation:

1) Avg RFn = Sum $\left| \frac{(Astdni)}{(Cstdni)} \right|_i$

Response Factors

Compound	RF1	RF2	RF4	RF5	RF7	RF8	AvgRFn	%RSD	AngRF C Ratio
Hexane	30689	23833	23610	21879	21252	19940	23534	16.14	**2.35E+04**

Section 5 Standard Calibration Certificates

This section contains the Standard Calibration Certificates for the Standards and Internal Standards.

Section Contents

Standard Calibration Certificates

STANDARD CERTIFICATE
CALIBRATION GAS STANDARD

Standard ID: **ST62344**
Description: **TO-14 Hexane Calibration Standard**
Date Recertified : 10/7/2019
Date Expired: 10/4/2024

Canister: AL150
Analyst: SDH

Component	CAS No	Concentration ppmv
Hexane	110-54-3	18.050

Analyst: Steve Hoyt, PhD

Approved:

ST62344 Hexane Standard 18 ppm.xls

Standard Preparation

Standard Name:	TO-14 Hexane Calibration Standard				**Dilution 1**	**Dilution 2**	
Standard ID:	ST62344				ST62344	ST62344	
Target Liquid Volume (ul)	120.0	Date Prepared:			10/7/2019	10/7/2019	
Target Wt from Volume (g)		Canister ID:	AL150		AL150	AL150	
NIST 100 mg Weight		Analyst:	SDH			Recertified Against	
Initial Syringe Wt (g)	15.18500	Pressure	Correction		Corrected	ST62118	
Final Syringe Wt (g)	15.05212	Pressure	1000	0.028	1028	psig	
Liquid Wt (g)	0.13288	Temp	25	C	1.00	1.00	
Gas Volume, ml	2088947	Atm P	760.0	torr.	1.00	1.00	
Gas Constant	24464			Factor	1.00	1.00	

	Wt (g) from Vol	moles	ml gas	Conc ppmv	Conc ppmv	Conc ppmv	Weight %Error
Hexane	0.1329	0.001542	37.7052	18.0498	18.0498	18.0498	0.015

ST62344 Hexane Standard 18 ppm.xls

Multicomponent Mix Preparation

			Chemist	SDH	Actual	Dif
Save as Template under this STD ID	ST62344		NIST Wgt.	5.00014	5.00015	0.00001
			NIST Wgt.	10.00012	10.00015	0.00003
Final Mix Volume, ul	2500	Factor	1583.88 (use 1.0 for Factor if not using mix)		Avg	0.00002

	liq vol ul	Target grams	wt Final	wt Initial	ID Number	Actual Weight	Weight Fraction	Density Fraction	% Dif
Hexane	2500.000	1.64750	15.18550	15.05212	68624	0.13338	1.00	0.659000	-91.9
	2500.000	1.64750				0.13338		0.659000	

ST62344 Hexane Standard 18 ppm.xls

STANDARD PREPARATION WORKSHEET

Instructions: Enter the compound name and date then desired ppmV for final Standard. Check mass and volume to make sure they are in a measurable range, if not enter a dilution factor to bring in range.
Checked and Validated on 06/22/11

Description: TO-14 Hexane Calibration Standard
Cylinder Volume: 29450 ml

Standard	CAS	MW	Density g/ml	Desired ppmV	ml as Gas	mass grams	liq vol ul	Purity %
Hexane	110-54-3	86.18	0.659	10.00	0.29460	0.00104	1.578	99.0
								1.58

ST62844 Hexane Standard 18 ppm.xls

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: 226144

Client Project Manager: Chuck Schmidt

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

Project Number: 17807
Sample Event Date: 7/20-7/24/2026
Received Date: 7/24/2026
Report Date: 9/1/2026

Project Number: ASTM 3416 Methane
PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Section 1 Project Summary

The following pages provide detailed information about the sample receipt, log-in, and sample preparation. The Laboratory Work Order provides a cross reference between the Client ID number and the EAS Lab Number as well as a list of the analytical tests preformed. The items included in this section are listed below.

Section Contents

Laboratory Work Order

Sample Data

Laboratory Case Narrative

Chain of Custody

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	728		668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved:

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

CE Schmidt, Phd, Environmental Consultant TO-15 Day 1

Chain of Custody Record

| | | |

CE Schmidt, Phd, Environmental Consultant — TO-15 Day 2

Chain of Custody Record

Form Serial Number: CES F1-02106	For Information Regarding These Samples Please Contact:
Client Name: SCS / *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt**
Project Manager: *Pat Sullivan*	19200 Live Oak Road, Red Bluff, CA 96080
Requested Completion Date	530-529-4256
	E-Mail: SCHMIDTCE@aol.com

Client Address and Phone Number: *3900 Kilroy Airport Way, Suite 100, Long Beach, CA 90806 562-743-7895*

Laboratory Name: *EAS*

Laboratory Address: *173 Cross Street, San Luis Obispo, CA 93401*

Laboratory Phone: *805-781-3585*

Laboratory Contact: *Dr. Steve Hoyt, stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (if List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/21/2026	1144		x	T - 201	653	1		x		x	x	x	x	x	-29	0	15
	7/21/2026	1141		x	T - 202	803	1		x		x	x	x	x	x	-29	0	16
	7/21/2026	1137		x	T - 203	68	1		x		x	x	x	x	x	-29	0	17
	7/21/2026	1133		x	T - 204	688	1		x		x	x	x	x	x	-29	0	18
	7/21/2026	1129		x	T - 205	761	1		x		x	x	x	x	x	-29	0	19
	7/21/2026	1054		x	T - 206	809	1		x		x	x	x	x	x	-29	0	20
	7/21/2026	1053		x	T - 207	694	1		x		x	x	x	x	x	-29	0	21
	7/21/2026	1045		x	T - 208	526	1		x		x	x	x	x	x	-29	0	22
	7/21/2026	1202		x	T - 209	856	1		x		x	x	x	x	x	-29	0	23
	7/21/2026	1214		x	T - 210	679	1		x		x	x	x	x	x	-29	0	24
	7/21/2026	1210		x	T - 211	762	1		x		x	x	x	x	x	-29	0	25
	7/21/2026	1215		x	T - 212	710	1		x		x	x	x	x	x	-29	0	26
	7/21/2026	1219		x	T - 213	655	1		x		x	x	x	x	x	-29	0	27
	7/21/2026	1238		x	T - 214	692	1		x		x	x	x	x	x	-29	0	28

Sampler: CESCHMIDT	Date/Time: 7/24/26 1200	Relinquished by: CESchmidt	Date/Time: 7/24/26 1200
Recieved by: Jon Bass with EAS	Date/Time: 7/24/26 10:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N; QC Level 1 2 3; COC; Ana Req; Cust Seal; Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D2

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CE Schmidt, PhD, Environmental Consultant

Chain of Custody Record

TO-15 Day 3

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS	Client Address and Phone Number	Laboratory Name
CES F1-02106			***3900 Kilroy Airport Way, Suite 100***	***EAS***
Client Name	**Dr. Charles E. Schmidt**		***Long Beach, CA 90806 562-743-7895***	Laboratory Address
SCS	19200 Live Oak Road, Red Bluff, CA 96080		Analysis Requested	***173 Cross Street***
Chiquita Canyon Landfill	530-529-4256			***San Luis Obispo, CA 93401***
Project Manager	E-Mail: SCHMIDTCE@aol.com			Laboratory Phone
Pat Sullivan				***805-781-3585***
Requested Completion Date				Laboratory Contact
				Dr. Steve Hoyt
				stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Sample Container: Can	Sample Container: Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (If List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/22/2026	823		x	T - 301	659 891		x		x	x	x	x	x	-29	0	29
	7/22/2026	828		x	T - 302	891		x		x	x	x	x	x	-29	0	30
	7/22/2026	832		x	T - 303	754		x		x	x	x	x	x	-29	0	31
	7/22/2026	836		x	T - 304	745		x		x	x	x	x	x	-29	0	32
	7/22/2026	958		x	T - 305	741		x		x	x	x	x	x	-29	0	33
	7/22/2026	1001		x	T - 306	708		x		x	x	x	x	x	-29	0	34
	7/22/2026	1001		x	T - 307	698		x		x	x	x	x	x	-29	0	35
	7/22/2026	959		x	T - 308	608		x		x	x	x	x	x	-29	0	36
	7/22/2026	1107		x	T - 309	647		x		x	x	x	x	x	-29	0	37
	7/22/2026	1122		X	T - 310	654		x		x	x	x	x	x	-29	0	38
	7/22/2026	1115		x	T - 311	605		x		x	x	x	x	x	-29	0	39
	7/22/2026	1123		x	T - 312	730		x		x	x	x	x	x	-29	0	40
	7/22/2026	1126		x	T - 313	766		x		x	x	x	x	x	-29	0	41
	7/22/2026	1130		x	T - 314	662		x		x	x	x	x	x	-29	0	41A

Sampler	Date/Time 7/24/26 1100	Relinquished by	Date/Time 7/24/26 1200	HAZWRAP/NEESA Y N
Recieved by	Date/Time 7/24/26 16:10	Relinquished by	Date/Time	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		Ana Req
Remarks				Cust Seal
				Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

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CE Schmidt, Phd, Environmental Consultant — **TO-15 Day 4**

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:	Client Address and Phone Number *3900 Kilroy Airport Way, Suite 100* *Long Beach, CA 90806 562-743-7895*
Client Name *SCS* *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080	Laboratory Name *EAS*
Project Manager *Pat Sullivan*	530-529-4256 E-Mail: SCHMIDTCE@aol.com	Laboratory Address *173 Cross Street* *San Luis Obispo, CA 93401*
Requested Completion Date		Laboratory Phone *805-781-3585*
		Laboratory Contact *Dr. Steve Hoyt* *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/23/2026	359		x	T - 401	643 740	1		x		x	x	x	x	x	-29	0	43
	7/23/2026	900		x	T - 402	599	1		x		x	x	x	x	x	-29	0	44
	7/23/2026	904		x	T - 403	599	1		x		x	x	x	x	x	-29	0	45
	7/23/2026	908		x	T - 404	891 618	1		x		x	x	x	x	x	-29	0	46
	7/23/2026	959		x	T - 405	891	1		x		x	x	x	x	x	-29	0	47
	7/23/2026	1002		x	T - 406	506	1		x		x	x	x	x	x	-29	0	48
	7/23/2026	1007		x	T - 407	823 789	1		x		x	x	x	x	x	-29	0	49
	7/23/2026	1011		x	T - 408	789	1		x		x	x	x	x	x	-29	0	50
	7/23/2026	1110		x	T - 409	732 709	1		x		x	x	x	x	x	-29	0	51
22 of 630	7/23/2026	1104		x	T - 410	709	1		x		x	x	x	x	x	-29	0	52
	7/23/2026	1107		x	T - 411	720	1		x		x	x	x	x	x	-29	0	53
	7/23/2026	1108		x	T - 412	403	1		x		x	x	x	x	x	-29	0	54
	7/23/2026	1119		x	T - 413	695	1		x		x	x	x	x	x	-29	0	55
	7/23/2026	1140		x	T - 414	738	1		x		x	x	x	x	x	-29	0	56

Sampler: CB Schmidt	Date/Time: 7/24/26 1700	Relinquished by: CB Schmidt	Date/Time: 7/24/26 1700	HAZWRAP/NEESA Y N
Recieved by: Ana Beltran EKS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC Ana Req Cust Seal Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		
Remarks				

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D4

CE Schmidt, Phd, Environmental Consultant TO-15 Day 5

Chain of Custody Record

| | | |

Table 6.2 Target Analyte List for Fixed Gases.

Methane (reanalyze non-detects to <1 ppmv)
Carbon dioxide
Oxygen
Nitrogen
Hydrogen
Carbon monoxide

TO-12

TNMHC (as C1 and C6)

TO-14 (FID)

C2-C12 Speciated

TO-15

Top 10 TICs for each sample
CLP Data Package

Table 6.3 Target List for TO-15 HAP/TAC Speciated Hydrocarbon Analysis.

Propylene
Dichlorodifluoromethane
Methanol
Chloromethane
1,2-Dichlorotetrafluoroethane
Vinyl chloride
1,3-Butadiene
Bromomethane
Chloroethane
Ethanol
Acrolein
Trichlorofluoromethane
Acetone
2-propanol (isopropylalcohol)
t-Butyl alcohol
Methyl iodide
1,1-Dichloroethene
Acrylonitrile
1,1,2-Trichlorotrifluoroethane
Allyl chloride
Methylene chloride
Carbon disulfide
trans-1,2-Dichloroethene
Methyl tert butyl ether
Propionitrile
1,1-Dichloroethane
Ethyl tert butyl ether
Vinyl acetate
2-Butanone (MEK)
Diisopropyl ether
Hexane
Methacrylonitrile
Ethyl acetate
Bromochloromethane
Methyl acrylate
Tetrahydrofuran
Isobutyl alcohol
cis-1,2-Dichloroethene
2,2-Dichloropropane
Chloroform
1,1,1-Trichloroethane
1,2-Dichloroethane
1,1-Dichloropropene
Cyclohexane
Benzene
Carbon tetrachloride
t-Amyl methyl ether
2,2,4-Trimethylpentane
n-Heptane
1,2-Dichloropropane
1,4 Dioxane
Dibromomethane
Trichloroethene (TCE)
Bromodichloromethane
Methyl methacrylate
4-Methyl-2-pentanone (MIBK)
cis-1,3-Dichloropropene
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Ethyl methacrylate
2-Hexanone
1,3-Dichloropropane
Octane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylenes
Nonane
Styrene
Bromoform
o-Xylene
1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane
t-1,4-Dichloro-2-butene
n-Propylbenzene
Isopropylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
Decane
tert-butyl benzene
1,2,4-Trimethylbenzene
i-Butylbenzene
sec-butylbenzene
1,3-Dichlorobenzene
Isopropyltoluene
Benzyl chloride
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
Hexachlorobutadiene
1,1-Difluoroethane

Section 2 Quality Control

This section contains the QC Reports for each Daily Analytical Batch (DAB) which make up the Sample Delivery Group (SDG). It also contains either the EAS or Project QC criteria that was used for the DAB. The methods used for this project have been modified from the original method. The modifications include modifications to the QC for the method. This is either because the method did not specify certain aspects of the QC, the method was originally designed for a different matrix, or additional compounds were added to the target list of the method which required modified QC. The QC modifications used by EAS follows those used by other air testing laboratories.

The Daily Analytical Batch data was checked against the QC criteria for the method. Any deviations from the QC criteria are listed on the QC Reports for each DAB, which are summarized in this section and are given in more detail in Section 4 which has the Quantitation Reports and Calculations for the Samples, Method Blank, Lab Control Spikes, as well as the Initial Calibration and Continuing Calibration. This section contains the following:

Section Contents

Project QC Critera

DAB Quality Control Reports

- Method Blank
- Laboratory Control Spike
- Laboratory Control Duplicate
- Continuing Calibration

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: LABQC
Laboratory Number: B09016

File Name: B09016B
Description: METHOD BLANK
Can/Tube#: 307
QC_Batch: 090126-GCL

Date Sampled: **Time:**
Date Analyzed: 09/01/26 **Time:** 13:18
Dilution Factor: 1.00

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.50	1.50	ND	0.33	0.98	ND	

QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D3416 Methane by GC/FID
Analytical Method: **ASTM D3416**

Date: 09/01/26
QC_Batch: 090126-GCL

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
74-82-8	Methane	92		88		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

Section 3 Analytical Methods

This section has information on the analytial methods and a copy of the analytical reports for the Sample Delivery Group (SDG) listed below. The reports are organized in order of the EAS Laboratory Number.

Section Contents

Analytical Method Description(s)

Analytical Reports

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Can/Tube#: 758
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:24
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.46	1.39	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

SDG: 226144
Modified Analytical Method: ASTM D3416 **Laboratory Number:** 02

File Name:	2614402A	**Date Sampled:**	07/20/26	**Time:**	10:05
Description:	T-102	**Date Analyzed:**	09/01/26	**Time:**	13:29
Can/Tube#:	737	**Dilution Factor:**	1.42		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	ND	0.47	1.40	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Can/Tube#: 548
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:35
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	ND	0.44	1.31	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 04

File Name: 2614404A
Description: T-104
Can/Tube#: 990
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 13:40
Dilution Factor: 1.53

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Can/Tube#: 885
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 09/01/26 **Time:** 13:46
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.47	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Can/Tube#: 755
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 09/01/26 **Time:** 13:52
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	0.99	0.49	1.47	0.65	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Can/Tube#: 182
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 09/01/26 **Time:** 13:58
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.98	1.97	0.43	1.30	1.29	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 08

File Name:	2614408A	**Date Sampled:**	07/20/26	**Time:**	10:57
Description:	T-108	**Date Analyzed:**	09/01/26	**Time:**	14:04
Can/Tube#:	551	**Dilution Factor:**	1.32		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.98	1.47	0.43	1.30	0.96	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Can/Tube#: 638
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 14:09
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	ND	0.49	1.48	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Can/Tube#: 800
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 14:15
Dilution Factor: 1.29

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.93	0.78	0.42	1.27	0.51	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Can/Tube#: 645
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 14:21
Dilution Factor: 1.58

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.36	ND	0.52	1.55	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 12

File Name: 2614412A
Description: T-112
Can/Tube#: 663
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 09/01/26 **Time:** 14:26
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	0.69	0.43	1.29	0.45	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Can/Tube#: 859
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 09/01/26 **Time:** 14:32
Dilution Factor: 1.54

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Can/Tube#: 529
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 09/01/26 **Time:** 14:40
Dilution Factor: 1.24

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.62	1.86	ND	0.41	1.22	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Can/Tube#: 653
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 09/01/26 **Time:** 14:45
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	20.07	0.46	1.38	13.16	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Can/Tube#: 803
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 09/01/26 **Time:** 14:51
Dilution Factor: 1.27

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.90	1.51	0.41	1.24	0.99	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 17

File Name:	2614417A	**Date Sampled:**	07/21/26	**Time:**	9:37
Description:	T-203	**Date Analyzed:**	09/01/26	**Time:**	14:57
Can/Tube#:	668	**Dilution Factor:**	1.25		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.88	92.40	0.41	1.23	60.59	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 18

File Name: 2614418A
Description: T-204
Can/Tube#: 688
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 9:33
Date Analyzed: 09/01/26 **Time:** 15:02
Dilution Factor: 1.59

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.80	2.39	35,720.34	0.52	1.57	23,423.17	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Can/Tube#: 761
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 09/01/26 **Time:** 15:08
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	14.91	0.46	1.38	9.77	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Can/Tube#: 809
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 09/01/26 **Time:** 15:14
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	4.95	0.47	1.40	3.24	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 21

File Name:	2614421A	**Date Sampled:**	07/21/26	**Time:**	10:53
Description:	T-207	**Date Analyzed:**	09/01/26	**Time:**	15:20
Can/Tube#:	694	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	346.82	0.46	1.37	227.42	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Can/Tube#: 526
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 09/01/26 **Time:** 15:28
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	5,950.44	0.45	1.36	3,901.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Can/Tube#: 856
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 15:37
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	4.46	0.43	1.29	2.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Can/Tube#: 679
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 15:43
Dilution Factor: 1.39

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	7.72	0.46	1.37	5.06	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Can/Tube#: 762
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 09/01/26 **Time:** 15:50
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	4.34	0.47	1.42	2.84	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Can/Tube#: 710
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 09/01/26 **Time:** 15:55
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	2,757.90	0.47	1.42	1,808.46	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 27

File Name: 2614427A
Description: T-213
Can/Tube#: 655
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 09/01/26 **Time:** 16:01
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2,879.13	0.43	1.29	1,887.95	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Can/Tube#: 692
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 09/01/26 **Time:** 16:16
Dilution Factor: 1.26

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.89	1.13	0.41	1.24	0.74	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 29

File Name:	2614429A	**Date Sampled:**	07/22/26	**Time:**	8:23
Description:	T-301	**Date Analyzed:**	09/01/26	**Time:**	16:22
Can/Tube#:	659	**Dilution Factor:**	1.38		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 30

File Name:	2614430A	**Date Sampled:**	07/22/26	**Time:**	8:28
Description:	T-302	**Date Analyzed:**	09/01/26	**Time:**	16:29
Can/Tube#:	897	**Dilution Factor:**	1.48		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	ND	0.49	1.46	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Can/Tube#: 754
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:34
Dilution Factor: 1.30

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.95	ND	0.43	1.28	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 32

File Name:	2614432A	**Date Sampled:**	07/22/26	**Time:**	8:25
Description:	T-304	**Date Analyzed:**	09/01/26	**Time:**	16:40
Can/Tube#:	745	**Dilution Factor:**	1.28		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.92	0.97	0.42	1.26	0.63	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 33

File Name:	2614433A	**Date Sampled:**	07/22/26	**Time:**	9:58
Description:	T-305	**Date Analyzed:**	09/01/26	**Time:**	16:46
Can/Tube#:	741	**Dilution Factor:**	1.30		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2.66	0.43	1.28	1.75	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 34

File Name:	2614434A	**Date Sampled:**	07/22/26	**Time:**	10:01
Description:	T-306	**Date Analyzed:**	09/01/26	**Time:**	16:51
Can/Tube#:	708	**Dilution Factor:**	1.41		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	732.39	0.46	1.39	480.26	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 35

File Name:	2614435A	**Date Sampled:**	07/22/26	**Time:**	10:01
Description:	T-307	**Date Analyzed:**	09/01/26	**Time:**	9:41
Can/Tube#:	698	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	1,383.89	0.46	1.37	907.47	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 36

File Name: 2614436A
Description: T-308
Can/Tube#: 608
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 18:24
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	21,375.63	0.46	1.38	14,016.81	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Can/Tube#: 647
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 09/01/26 **Time:** 18:30
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.99	1.02	0.44	1.31	0.67	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Can/Tube#: 654
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 09/01/26 **Time:** 18:36
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.04	ND	0.45	1.34	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 39

File Name: 2614439A
Description: T-311
Can/Tube#: 605
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:15
Date Analyzed: 09/01/26 **Time:** 18:43
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	ND	0.46	1.37	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Can/Tube#: 730
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 09/01/26 **Time:** 18:49
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	ND	0.46	1.38	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Can/Tube#: 766
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 09/01/26 **Time:** 18:55
Dilution Factor: 1.37

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	ND	0.45	1.34	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Can/Tube#: 662
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 09/01/26 **Time:** 19:00
Dilution Factor: 1.35

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.03	ND	0.44	1.33	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Can/Tube#: 643
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 09/01/26 **Time:** 19:06
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	ND	0.46	1.38	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Can/Tube#: 740
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 09/01/26 **Time:** 19:11
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2,610.25	0.43	1.29	1,711.64	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Can/Tube#: 699
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:17
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Can/Tube#: 618
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:22
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.06	1,976.79	0.45	1.35	1,296.25	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 47

File Name: 2614447A
Description: T-405
Can/Tube#: 849
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 19:29
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	ND	0.46	1.39	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Can/Tube#: 506
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 09/01/26 **Time:** 19:34
Dilution Factor: 1.34

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.01	2.21	0.44	1.32	1.45	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 49

File Name: 2614449A
Description: T-407
Can/Tube#: 823
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 10:07
Date Analyzed: 09/01/26 **Time:** 19:40
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	ND	0.47	1.42	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 50

File Name: 2614450A
Description: T-408
Can/Tube#: 789
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 10:11
Date Analyzed: 09/01/26 **Time:** 19:45
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	1,524.89	0.49	1.46	999.93	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 51

File Name: 2614451A
Description: T-409
Can/Tube#: 732
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:10
Date Analyzed: 09/01/26 **Time:** 19:51
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	ND	0.46	1.39	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Can/Tube#: 709
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 09/01/26 **Time:** 19:56
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	75.13	0.45	1.34	49.27	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 53

File Name: 2614453A
Description: T-411
Can/Tube#: 750
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:02
Dilution Factor: 1.30

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.95	362.68	0.43	1.28	237.82	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 54

File Name: 2614454A
Description: T-412
Can/Tube#: 503
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:07
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	34,791.10	0.49	1.48	22,813.84	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 55

File Name: 2614455A
Description: T-413
Can/Tube#: 695
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:13
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	27,019.47	0.48	1.44	17,717.69	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 56

File Name: 2614456A
Description: T-414
Can/Tube#: 738
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:18
Dilution Factor: 1.28

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.91	3.57	0.42	1.26	2.34	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Can/Tube#: 895
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:24
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	0.87	0.46	1.39	0.57	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 58

File Name: 2614458A
Description: T-502
Can/Tube#: 728
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:29
Dilution Factor: 1.34

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	ND	0.44	1.31	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Can/Tube#: 858
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 09/01/26 **Time:** 20:35
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.47	1.40	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 60

File Name: 2614460A
Description: T-504
Can/Tube#: 556
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:21
Date Analyzed: 09/01/26 **Time:** 20:40
Dilution Factor: 1.46

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	863.43	0.48	1.43	566.18	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Can/Tube#: 627
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 09/01/26 **Time:** 20:46
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	0.89	0.49	1.46	0.58	J

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Can/Tube#: 760
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 09/01/26 **Time:** 20:51
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Can/Tube#: 696
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 09/01/26 **Time:** 20:57
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	42.58	0.44	1.31	27.92	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 64

File Name: 2614464A
Description: T-508
Can/Tube#: 768
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:33
Date Analyzed: 09/01/26 **Time:** 21:02
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	860.61	0.45	1.36	564.33	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Can/Tube#: 837
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 09/01/26 **Time:** 21:08
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	ND	0.45	1.36	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Can/Tube#: 647
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:14
Dilution Factor: 1.25

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.88	ND	0.41	1.23	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Can/Tube#: 786
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 09/01/26 **Time:** 21:19
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	ND	0.43	1.29	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Can/Tube#: 877
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:25
Dilution Factor: 1.44

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	ND	0.47	1.42	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 69

File Name:	2614469A	**Date Sampled:**	07/24/26	**Time:**	11:48
Description:	T-513	**Date Analyzed:**	09/01/26	**Time:**	21:30
Can/Tube#:	892	**Dilution Factor:**	1.32		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.99	ND	0.43	1.30	ND	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Can/Tube#: 775
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 21:36
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	ND	0.47	1.40	ND	

Section 4 Data Package

This section contains the Data Packages for the samples, blanks, and calibration. Each package has the analytical report, quantitation report, calculation sheet, instrument quantation report, and chromatograms.

Items provided in Data Package:

DAB Run Logs and Preparation Logs

Sample Packages

Blank Package for each Daily Analytical Batch

Quality Control Reports, LCS,LCD for each Daily Analytical Batch

Continuing Calibration Package for Each Daily Analytical Batch

Initial Calibration Data

DAB Run Logs and Preparation Logs

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
This section contains the DAB Log Sheets and Preparation Logs.

Index

DAB Run Logs
Other Log Sheets

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	01	GCL	STD			C09016A		ST63414	100%	5	DA		3416CH4			
090126-GCL	02	GCL	STD			C09016B		ST63414	100%	5	DA		3416CH4			
090126-GCL	03	GCL	STD			C09016C		ST63414:N2	10%	5	DA		3416CH4			
090126-GCL	04	GCL	STD			C09016D		ST63414:N2	10%	5	DA		3416CH4			
090126-GCL	05	GCL	STD			C09016E		ST63414:N2	5%	5	DA		3416CH4			
090126-GCL	06	GCL	SPK			QC09016A		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	07	GCL	SPK			QC09016B		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	08	GCL	SPK			QC09016C		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	09	GCL	SPK			QC09016D		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	10	GCL	BLK			B09016A	307	METHOD BLANK		5	DA		3416CH4			
090126-GCL	11	GCL	BLK			B09016B	307	METHOD BLANK		5	DA		3416CH4			
090126-GCL	12	GCL	SA	226144	01	2614401A	758	T-101	SCHMIDT	5	DA		3416CH4			
090126-GCL	13	GCL	SA	226144	02	2614402A	737	T-102	SCHMIDT	5	DA		3416CH4			
090126-GCL	14	GCL	SA	226144	03	2614403A	548	T-103	SCHMIDT	5	DA		3416CH4			
090126-GCL	15	GCL	SA	226144	04	2614404A	990	T-104	SCHMIDT	5	DA		3416CH4			
090126-GCL	16	GCL	SA	226144	05	2614405A	885	T-105	SCHMIDT	5	DA		3416CH4			
090126-GCL	17	GCL	SA	226144	06	2614406A	755	T-106	SCHMIDT	5	DA		3416CH4			
090126-GCL	18	GCL	SA	226144	07	2614407A	182	T-107	SCHMIDT	5	DA		3416CH4			
090126-GCL	19	GCL	SA	226144	08	2614408A	551	T-108	SCHMIDT	5	DA		3416CH4			

REVIEWED

10/06/2009

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	20	GCL	SA	226144	09	2614409A	638	T-109	SCHMIDT	5	DA		3416CH4			
090126-GCL	21	GCL	SA	226144	10	2614410A	800	T-110	SCHMIDT	5	DA		3416CH4			
090126-GCL	22	GCL	SA	226144	11	2614411A	645	T-111	SCHMIDT	5	DA		3416CH4			
090126-GCL	23	GCL	SA	226144	12	2614412A	663	T-112	SCHMIDT	5	DA		3416CH4			
090126-GCL	24	GCL	SA	226144	13	2614413A	859	T-113	SCHMIDT	5	DA		3416CH4			
090126-GCL	25	GCL	SA	226144	14	2614414A	529	T-114	SCHMIDT	5	DA		3416CH4			
090126-GCL	26	GCL	SA	226144	15	2614415A	653	T-201	SCHMIDT	5	DA		3416CH4			
090126-GCL	27	GCL	SA	226144	16	2614416A	803	T-202	SCHMIDT	5	DA		3416CH4			
090126-GCL	28	GCL	SA	226144	17	2614417A	668	T-203	SCHMIDT	5	DA		3416CH4			
090126-GCL	29	GCL	SA	226144	18	2614418A	688	T-204	SCHMIDT	5	DA		3416CH4			
090126-GCL	30	GCL	SA	226144	19	2614419A	761	T-205	SCHMIDT	5	DA		3416CH4			
090126-GCL	31	GCL	SA	226144	20	2614420A	809	T-206	SCHMIDT	5	DA		3416CH4			
090126-GCL	32	GCL	SA	226144	21	2614421A	694	T-207	SCHMIDT	5	DA		3416CH4			
090126-GCL	33	GCL	SA	226144	22	2614422A	526	T-208	SCHMIDT	5	DA		3416CH4			
090126-GCL	34	GCL	SA	226144	23	2614423A	856	T-209	SCHMIDT	5	DA		3416CH4			
090126-GCL	35	GCL	SA	226144	24	2614424A	679	T-210	SCHMIDT	5	DA		3416CH4			
090126-GCL	36	GCL	SA	226144	25	2614425A	762	T-211	SCHMIDT	5	DA		3416CH4			
090126-GCL	37	GCL	SA	226144	26	2614426A	740	T-212	SCHMIDT	5	DA		3416CH4			
090126-GCL	38	GCL	SA	226144	27	2614428A	655	T-213	SCHMIDT	5	DA		3416CH4			

REVIEWED

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	39	GCL	SA	226144	28	2614428A	692	T-214	SCHMIDT	5	DA		3416CH4			
090126-GCL	40	GCL	SA	226144	29	2614429A	659	T-301	SCHMIDT	5	DA		3416CH4			
090126-GCL	41	GCL	SA	226144	30	2614430A	897	T-302	SCHMIDT	5	DA		3416CH4			
090126-GCL	42	GCL	SA	226144	31	2614431A	754	T-303	SCHMIDT	5	DA		3416CH4			
090126-GCL	43	GCL	SA	226144	32	2614432A	745	T-304	SCHMIDT	5	DA		3416CH4			
090126-GCL	44	GCL	SA	226144	33	2614433A	741	T-305	SCHMIDT	5	DA		3416CH4			
090126-GCL	45	GCL	SA	226144	34	2614434A	708	T-306	SCHMIDT	5	DA		3416CH4			
090126-GCL	46	GCL	SA	226144	35	2614435A	698	T-307	SCHMIDT	5	SW		3416CH4			
090126-GCL	47	GCL	SA	226144	36	2614436A	608	T-308	SCHMIDT	5	SW		3416CH4	RAN OVER 35		
090126-GCL	48	GCL	SA	226144	37	2614437A	647	T-309	SCHMIDT	5	SW		3416CH4			
090126-GCL	49	GCL	SA	226144	38	2614438A	654	T-310	SCHMIDT	5	SW		3416CH4			
090126-GCL	50	GCL	SA	226144	39	2614439A	605	T-311	SCHMIDT	5	SW		3416CH4			
090126-GCL	51	GCL	SA	226144	40	2614440A	730	T-312	SCHMIDT	5	SW		3416CH4			
090126-GCL	52	GCL	SA	226144	41	2614441A	766	T-313	SCHMIDT	5	SW		3416CH4			
090126-GCL	53	GCL	SA	226144	42	2614442A	662	T-314	SCHMIDT	5	SW		3416CH4			
090126-GCL	54	GCL	SA	226144	43	2614443A	643	T-401	SCHMIDT	5	SW		3416CH4			
090126-GCL	55	GCL	SA	226144	44	2614444A	740	T-402	SCHMIDT	5	SW		3416CH4			
090126-GCL	56	GCL	SA	226144	45	2614445A	699	T-403	SCHMIDT	5	SW		3416CH4			
090126-GCL	57	GCL	SA	226144	46	2614446A	618	T-404	SCHMIDT	5	SW		3416CH4			

REVIEWED

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	58	GCL	SA	226144	47	2614447A	849	T-405	SCHMIDT	5	SW		3416CH4			
090126-GCL	59	GCL	SA	226144	48	2614448A	506	T-406	SCHMIDT	5	SW		3416CH4			
090126-GCL	60	GCL	SA	226144	49	2614449A	823	T-407	SCHMIDT	5	SW		3416CH4			
090126-GCL	61	GCL	SA	226144	50	2614450A	789	T-408	SCHMIDT	5	SW		3416CH4			
090126-GCL	62	GCL	SA	226144	51	2614451A	732	T-409	SCHMIDT	5	SW		3416CH4			
090126-GCL	63	GCL	SA	226144	52	2614452A	709	T-410	SCHMIDT	5	SW		3416CH4			
090126-GCL	64	GCL	SA	226144	53	2614453A	750	T-411	SCHMIDT	5	SW		3416CH4			
090126-GCL	65	GCL	SA	226144	54	2614454A	503	T-412	SCHMIDT	5	SW		3416CH4			
090126-GCL	66	GCL	SA	226144	55	2614455A	695	T-413	SCHMIDT	5	SW		3416CH4			
090126-GCL	67	GCL	SA	226144	56	2614456A	738	T-414	SCHMIDT	5	SW		3416CH4			
090126-GCL	68	GCL	SA	226144	57	2614457A	895	T-501	SCHMIDT	5	SW		3416CH4			
090126-GCL	69	GCL	SA	226144	58	2614458A	728	T-502	SCHMIDT	5	SW		3416CH4			
090126-GCL	70	GCL	SA	226144	59	2614459A	858	T-503	SCHMIDT	5	SW		3416CH4			
090126-GCL	71	GCL	SA	226144	60	2614460A	556	T-504	SCHMIDT	5	SW		3416CH4			
090126-GCL	72	GCL	SA	226144	61	2614461A	627	T-505	SCHMIDT	5	SW		3416CH4			
090126-GCL	73	GCL	SA	226144	62	2614462A	760	T-506	SCHMIDT	5	SW		3416CH4			
090126-GCL	74	GCL	SA	226144	63	2614463A	696	T-507	SCHMIDT	5	SW		3416CH4			
090126-GCL	75	GCL	SA	226144	64	2614464A	768	T-508	SCHMIDT	5	SW		3416CH4			
090126-GCL	76	GCL	SA	226144	65	2614465A	837	T-509	SCHMIDT	5	SW		3416CH4			

REVIEWED

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	77	GCL	SA	226144	66	2614466A	642	T-510	SCHMIDT	5	SW		3416CH4			
090126-GCL	78	GCL	SA	226144	67	2614467A	786	T-511	SCHMIDT	5	SW		3416CH4			
090126-GCL	79	GCL	SA	226144	68	2614468A	877	T-512	SCHMIDT	5	SW		3416CH4			
090126-GCL	80	GCL	SA	226144	69	2614469A	892	T-513	SCHMIDT	5	SW		3416CH4			
090126-GCL	81	GCL	SA	226144	70	2614470A	775	T-514	SCHMIDT	5	SW		3416CH4			
090126-GCL	82	GCL	SA	226144	35	2614435B	698	T-307	SCHMIDT	5	SW		3416CH4			

REVIEWED

DAILY ANALYTICAL BATCH FORM

DAB 090126 - GCL

ANALYST REPORT

Method 3546044 Chemist RT

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☑	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

RT
Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID I-70

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

RT
Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

☐ Reviewed

Data Review Chemist Certification

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	01	GCL	STD			C09016A		ST63414	100%	5	DA		3416CH4			
090126-GCL	02	GCL	STD			C09016B		ST63414	100%	5	DA		3416CH4			
090126-GCL	03	GCL	STD			C09016C		ST63414:N2	10%	5	DA		3416CH4			
090126-GCL	04	GCL	STD			C09016D		ST63414:N2	10%	5	DA		3416CH4			
090126-GCL	05	GCL	STD			C09016E		ST63414:N2	5%	5	DA		3416CH4			
090126-GCL	06	GCL	SPK			QC09016A		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	07	GCL	SPK			QC09016B		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	08	GCL	SPK			QC09016C		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	09	GCL	SPK			QC09016D		ABT AIR	OUTDOOR AIR	5	DA		3416CH4			
090126-GCL	10	GCL	BLK			B09016A	307	METHOD BLANK		5	DA		3416CH4			
090126-GCL	11	GCL	BLK			B09016B	307	METHOD BLANK		5	DA		3416CH4			
090126-GCL	12	GCL	SA	226144	01	2614401A	758	T-101	SCHMIDT	5	DA		3416CH4			
090126-GCL	13	GCL	SA	226144	02	2614402A	737	T-102	SCHMIDT	5	DA		3416CH4			
090126-GCL	14	GCL	SA	226144	03	2614403A	548	T-103	SCHMIDT	5	DA		3416CH4			
090126-GCL	15	GCL	SA	226144	04	2614404A	990	T-104	SCHMIDT	5	DA		3416CH4			
090126-GCL	16	GCL	SA	226144	05	2614405A	885	T-105	SCHMIDT	5	DA		3416CH4			
090126-GCL	17	GCL	SA	226144	06	2614406A	755	T-106	SCHMIDT	5	DA		3416CH4			
090126-GCL	18	GCL	SA	226144	07	2614407A	182	T-107	SCHMIDT	5	DA		3416CH4			
090126-GCL	19	GCL	SA	226144	08	2614408A	551	T-108	SCHMIDT	5	DA		3416CH4			

REVIEWED

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	20	GCL	SA	226144	09	2614409A	638	T-109	SCHMIDT	5	DA		3416CH4			
090126-GCL	21	GCL	SA	226144	10	2614410A	800	T-110	SCHMIDT	5	DA		3416CH4			
090126-GCL	22	GCL	SA	226144	11	2614411A	645	T-111	SCHMIDT	5	DA		3416CH4			
090126-GCL	23	GCL	SA	226144	12	2614412A	663	T-112	SCHMIDT	5	DA		3416CH4			
090126-GCL	24	GCL	SA	226144	13	2614413A	859	T-113	SCHMIDT	5	DA		3416CH4			
090126-GCL	25	GCL	SA	226144	14	2614414A	529	T-114	SCHMIDT	5	DA		3416CH4			
090126-GCL	26	GCL	SA	226144	15	2614415A	653	T-201	SCHMIDT	5	DA		3416CH4			
090126-GCL	27	GCL	SA	226144	16	2614416A	803	T-202	SCHMIDT	5	DA		3416CH4			
090126-GCL	28	GCL	SA	226144	17	2614417A	668	T-203	SCHMIDT	5	DA		3416CH4			
090126-GCL	29	GCL	SA	226144	18	2614418A	688	T-204	SCHMIDT	5	DA		3416CH4			
090126-GCL	30	GCL	SA	226144	19	2614419A	761	T-205	SCHMIDT	5	DA		3416CH4			
090126-GCL	31	GCL	SA	226144	20	2614420A	809	T-206	SCHMIDT	5	DA		3416CH4			
090126-GCL	32	GCL	SA	226144	21	2614421A	694	T-207	SCHMIDT	5	DA		3416CH4			
090126-GCL	33	GCL	SA	226144	22	2614422A	526	T-208	SCHMIDT	5	DA		3416CH4			
090126-GCL	34	GCL	SA	226144	23	2614423A	856	T-209	SCHMIDT	5	DA		3416CH4			
090126-GCL	35	GCL	SA	226144	24	2614424A	679	T-210	SCHMIDT	5	DA		3416CH4			
090126-GCL	36	GCL	SA	226144	25	2614425A	762	T-211	SCHMIDT	5	DA		3416CH4			
090126-GCL	37	GCL	SA	226144	26	2614426A	740	T-212	SCHMIDT	5	DA		3416CH4			
090126-GCL	38	GCL	SA	226144	27	2614428A	655	T-213	SCHMIDT	5	DA		3416CH4			

REVIEWED

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	39	GCL	SA	226144	28	2614428A	692	T-214	SCHMIDT	5	DA		3416CH4			
090126-GCL	40	GCL	SA	226144	29	2614429A	659	T-301	SCHMIDT	5	DA		3416CH4			
090126-GCL	41	GCL	SA	226144	30	2614430A	897	T-302	SCHMIDT	5	DA		3416CH4			
090126-GCL	42	GCL	SA	226144	31	2614431A	754	T-303	SCHMIDT	5	DA		3416CH4			
090126-GCL	43	GCL	SA	226144	32	2614432A	745	T-304	SCHMIDT	5	DA		3416CH4			
090126-GCL	44	GCL	SA	226144	33	2614433A	741	T-305	SCHMIDT	5	DA		3416CH4			
090126-GCL	45	GCL	SA	226144	34	2614434A	708	T-306	SCHMIDT	5	DA		3416CH4			
090126-GCL	46	GCL	SA	226144	35	2614435A	698	T-307	SCHMIDT	5	SW		3416CH4			
090126-GCL	47	GCL	SA	226144	36	2614436A	608	T-308	SCHMIDT	5	SW		3416CH4	RAN OVER 35		
090126-GCL	48	GCL	SA	226144	37	2614437A	647	T-309	SCHMIDT	5	SW		3416CH4			
090126-GCL	49	GCL	SA	226144	38	2614438A	654	T-310	SCHMIDT	5	SW		3416CH4			
090126-GCL	50	GCL	SA	226144	39	2614439A	605	T-311	SCHMIDT	5	SW		3416CH4			
090126-GCL	51	GCL	SA	226144	40	2614440A	730	T-312	SCHMIDT	5	SW		3416CH4			
090126-GCL	52	GCL	SA	226144	41	2614441A	766	T-313	SCHMIDT	5	SW		3416CH4			
090126-GCL	53	GCL	SA	226144	42	2614442A	662	T-314	SCHMIDT	5	SW		3416CH4			
090126-GCL	54	GCL	SA	226144	43	2614443A	643	T-401	SCHMIDT	5	SW		3416CH4			
090126-GCL	55	GCL	SA	226144	44	2614444A	740	T-402	SCHMIDT	5	SW		3416CH4			
090126-GCL	56	GCL	SA	226144	45	2614445A	699	T-403	SCHMIDT	5	SW		3416CH4			
090126-GCL	57	GCL	SA	226144	46	2614446A	618	T-404	SCHMIDT	5	SW		3416CH4			

REVIEWED

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	58	GCL	SA	226144	47	2614447A	849	T-405	SCHMIDT	5	SW		3416CH4			
090126-GCL	59	GCL	SA	226144	48	2614448A	506	T-406	SCHMIDT	5	SW		3416CH4			
090126-GCL	60	GCL	SA	226144	49	2614449A	823	T-407	SCHMIDT	5	SW		3416CH4			
090126-GCL	61	GCL	SA	226144	50	2614450A	789	T-408	SCHMIDT	5	SW		3416CH4			
090126-GCL	62	GCL	SA	226144	51	2614451A	732	T-409	SCHMIDT	5	SW		3416CH4			
090126-GCL	63	GCL	SA	226144	52	2614452A	709	T-410	SCHMIDT	5	SW		3416CH4			
090126-GCL	64	GCL	SA	226144	53	2614453A	750	T-411	SCHMIDT	5	SW		3416CH4			
090126-GCL	65	GCL	SA	226144	54	2614454A	503	T-412	SCHMIDT	5	SW		3416CH4			
090126-GCL	66	GCL	SA	226144	55	2614455A	695	T-413	SCHMIDT	5	SW		3416CH4			
090126-GCL	67	GCL	SA	226144	56	2614456A	738	T-414	SCHMIDT	5	SW		3416CH4			
090126-GCL	68	GCL	SA	226144	57	2614457A	895	T-501	SCHMIDT	5	SW		3416CH4			
090126-GCL	69	GCL	SA	226144	58	2614458A	728	T-502	SCHMIDT	5	SW		3416CH4			
090126-GCL	70	GCL	SA	226144	59	2614459A	858	T-503	SCHMIDT	5	SW		3416CH4			
090126-GCL	71	GCL	SA	226144	60	2614460A	556	T-504	SCHMIDT	5	SW		3416CH4			
090126-GCL	72	GCL	SA	226144	61	2614461A	627	T-505	SCHMIDT	5	SW		3416CH4			
090126-GCL	73	GCL	SA	226144	62	2614462A	760	T-506	SCHMIDT	5	SW		3416CH4			
090126-GCL	74	GCL	SA	226144	63	2614463A	696	T-507	SCHMIDT	5	SW		3416CH4			
090126-GCL	75	GCL	SA	226144	64	2614464A	768	T-508	SCHMIDT	5	SW		3416CH4			
090126-GCL	76	GCL	SA	226144	65	2614465A	837	T-509	SCHMIDT	5	SW		3416CH4			

REVIEWED

Daily Analytical Batch

DAB: 090126-GCL

GCL

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCL	77	GCL	SA	226144	66	2614466A	642	T-510	SCHMIDT	5	SW		3416CH4			
090126-GCL	78	GCL	SA	226144	67	2614467A	786	T-511	SCHMIDT	5	SW		3416CH4			
090126-GCL	79	GCL	SA	226144	68	2614468A	877	T-512	SCHMIDT	5	SW		3416CH4			
090126-GCL	80	GCL	SA	226144	69	2614469A	892	T-513	SCHMIDT	5	SW		3416CH4			
090126-GCL	81	GCL	SA	226144	70	2614470A	775	T-514	SCHMIDT	5	SW		3416CH4			
090126-GCL	82	GCL	SA	226144	35	2614435B	698	T-307	SCHMIDT	5	SW		3416CH4			

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 70

Client: C.E. Schmidt
Client ID: T-514
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 775
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

Date:
Initial : 714
Final: 714
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 69

Client: C.E. Schmidt
Client ID: T-513
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 892
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:48
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	668		
Final:	668		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 68

Client: C.E. Schmidt
Client ID: T-512
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 877
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	654			
Final:	654			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 67

Client: C.E. Schmidt
Client ID: T-511
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 786
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:40
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	665			
Final:	665			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 66

Client: C.E. Schmidt
Client ID: T-510
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	642			
Final:	642			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 65

Client: C.E. Schmidt
Client ID: T-509
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 837
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:47
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 64

Client: C.E. Schmidt
Client ID: T-508
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 768
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:33
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	656			
Final:	656			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 63

Client: C.E. Schmidt
Client ID: T-507
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 696
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:37
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	633			
Final:	633			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 62

Client: C.E. Schmidt
Client ID: T-506
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 760
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:31
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY | **Analytical Test:** | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions | Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria

Report Types: PDF Only

EDD Instructions | **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 61

Client: C.E. Schmidt
Client ID: T-505
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 627
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:36
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 60

Client: C.E. Schmidt
Client ID: T-504
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 556
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:21
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 59

Client: C.E. Schmidt
Client ID: T-503
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 858
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:29
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	664		
Final:	664		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 58

Client: C.E. Schmidt
Client ID: T-502
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 728
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	668		
Final:	668		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 57

Client: C.E. Schmidt
Client ID: T-501
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 895
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 56

Client: C.E. Schmidt
Client ID: T-414
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 738
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Initial : 688
Final: 688
Factor: 1.00

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

Date:			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 55

Client: C.E. Schmidt
Client ID: T-413
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 695
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	648			
Final:	648			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 54

Client: C.E. Schmidt
Client ID: T-412
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 503
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	650			
Final:	650			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 53

Client: C.E. Schmidt
Client ID: T-411
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 750
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

Date:
Initial : 666
Final: 666
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 52

Client: C.E. Schmidt
Client ID: T-410
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 709
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:09
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	646			
Final:	646			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 51

Client: C.E. Schmidt
Client ID: T-409
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 732
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:10
Received: 7/24/2026 Time: 16:10

Date:
Initial : 660
Final: 660
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 50

Client: C.E. Schmidt
Client ID: T-408
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 789
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Date:
Initial : 636
Final: 636
Factor: 1.00

Sampled: 7/23/2026 Time: 10:11
Received: 7/24/2026 Time: 16:10

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 49

Client: C.E. Schmidt
Client ID: T-407
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 823
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:07
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	652		
Final:	652		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 48

Client: C.E. Schmidt
Client ID: T-406
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 506
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:02
Received: 7/24/2026 Time: 16:10

Date:
Initial : 673
Final: 673
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 47

Client: C.E. Schmidt
Client ID: T-405
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 849
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

Date:
Initial : 660
Final: 660
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 46

Client: C.E. Schmidt
Client ID: T-404
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 618
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

Date:
Initial : 676
Final: 676
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 45

Client: C.E. Schmidt
Client ID: T-403
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 699
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Date:
Initial : 666
Final: 666
Factor: 1.00

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 44

Client: C.E. Schmidt
Client ID: T-402
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 740
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:00
Received: 7/24/2026 Time: 16:10

Date:
Initial : 681
Final: 681
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 43

Client: C.E. Schmidt
Client ID: T-401
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 643
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 8:59
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	675			
Final:	675			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 42

Client: C.E. Schmidt
Client ID: T-314
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 662
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:30
Received: 7/24/2026 Time: 16:10

Date:
Initial : 724
Final: 724
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 41

Client: C.E. Schmidt
Client ID: T-313
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 766
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:26
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 40

Client: C.E. Schmidt
Client ID: T-312
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 730
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:23
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	676		
Final:	676		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 39

Client: C.E. Schmidt
Client ID: T-311
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 605
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:15
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	671		
Final:	671		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 38

Client: C.E. Schmidt
Client ID: T-310
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 654
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	653			
Final:	653			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 37

Client: C.E. Schmidt
Client ID: T-309
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:17
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	671		
Final:	671		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 36

Client: C.E. Schmidt
Client ID: T-308
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 608
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

Date:
Initial : 382
Final: 382
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 35

Client: C.E. Schmidt
Client ID: T-307
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 698
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

Date:
Initial : 665
Final: 665
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 34

Client: C.E. Schmidt
Client ID: T-306
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 708
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	673		
Final:	673		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 33

Client: C.E. Schmidt
Client ID: T-305
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 741
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:58
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	670		
Final:	670		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 32

Client: C.E. Schmidt
Client ID: T-304
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 745
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:25
Received: 7/24/2026 Time: 16:10

Date:
Initial : 679
Final: 679
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 31

Client: C.E. Schmidt
Client ID: T-303
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 754
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	689		
Final:	689		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 30

Client: C.E. Schmidt
Client ID: T-302
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 897
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:28
Received: 7/24/2026 Time: 16:10

Date:
Initial : 669
Final: 669
Factor: 1.00

LABORATORY **Analytical Test:**

Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 29

Client: C.E. Schmidt
Client ID: T-301
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 659
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

Date:
Initial : 688
Final: 688
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 28

Client: C.E. Schmidt
Client ID: T-214
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 692
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:38
Received: 7/24/2026 Time: 16:10

Date:
Initial : 715
Final: 715
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 27

Client: C.E. Schmidt
Client ID: T-213
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 655
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	664		
Final:	664		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 26

Client: C.E. Schmidt
Client ID: T-212
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 710
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:15
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	652		
Final:	652		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 25

Client: C.E. Schmidt
Client ID: T-211
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 762
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:10
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	649			
Final:	649			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 24

Client: C.E. Schmidt
Client ID: T-210
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 679
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	678		
Final:	678		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 23

Client: C.E. Schmidt
Client ID: T-209
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 856
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	666			
Final:	666			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 22

Client: C.E. Schmidt
Client ID: T-208
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 526
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:45
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	675			
Final:	675			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 21

Client:	C.E. Schmidt	**MS Load Vol:**	300
Client ID:	T-207	**MS SIM Vol:**	
Description:		**GCK Load Vol:**	200
Project Name:	Chiquita Canyon	**GCP Load Vol:**	
EAS Project:	17807 **EAS PM:** David Atkinson	**Sample Volume:**	

Media:	CAN	**Can Pressurization:**	**Sampled:**	7/21/2026	**Time:** 10:53
Can Number:	694		**Received:**	7/24/2026	**Time:** 16:10
FC Number:	0	**Date:**			
TAT Working:		**Initial :**	669		
Sampling Time:		**Final:**	669		
Flow:		**Factor:**	1.00		

LABORATORY **Analytical Test:** **Sample Location:**

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions **Sample Type:**

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 20

Client: C.E. Schmidt
Client ID: T-206
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 809
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:51
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	661			
Final:	661			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416 ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 19

Client: C.E. Schmidt
Client ID: T-205
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 761
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:52
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	674			
Final:	674			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416 ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 18

Client: C.E. Schmidt
Client ID: T-204
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 688
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:33
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	649		
Final:	649		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 17

Client: C.E. Schmidt
Client ID: T-203
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 668
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:37
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	693			
Final:	693			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416 ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 16

Client: C.E. Schmidt
Client ID: T-202
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 803
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:11
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	683			
Final:	683			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 15

Client: C.E. Schmidt
Client ID: T-201
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 653
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:16
Received: 7/24/2026 Time: 16:10

Date:
Initial : 687
Final: 687
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 14

Client: C.E. Schmidt
Client ID: T-114
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 529
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:51
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	850		
Final:	850		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 13

Client: C.E. Schmidt
Client ID: T-113
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 859
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:11
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	657		
Final:	657		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 12

Client: C.E. Schmidt
Client ID: T-112
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 663
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:17
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	662		
Final:	662		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416 ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 11

Client: C.E. Schmidt
Client ID: T-111
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/20/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

Can Number: 645
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Date:
Initial : 640
Final: 640
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 10

Client: C.E. Schmidt
Client ID: T-110
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 800
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 9

Client: C.E. Schmidt
Client ID: T-109
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 638
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

Date:
Initial : 660
Final: 660
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416 ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 8

Client: C.E. Schmidt
Client ID: T-108
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 551
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:57
Received: 7/24/2026 Time: 16:10

Date:
Initial : 669
Final: 669
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 7

Client: C.E. Schmidt
Client ID: T-107
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 182
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 11:03
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	662		
Final:	662		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 6

Client: C.E. Schmidt
Client ID: T-106
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/20/2026 Time: 10:59
Received: 7/24/2026 Time: 16:10

Can Number: 755
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Date:
Initial : 657
Final: 657
Factor: 1.00

LABORATORY

Analytical Test:
Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions
Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 5

Client: C.E. Schmidt
Client ID: T-105
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/20/2026 Time: 11:00
Received: 7/24/2026 Time: 16:10

Can Number: 885
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Date:
Initial : 647
Final: 647
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 4

Client: C.E. Schmidt
Client ID: T-104
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 990
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 9:58
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	678		
Final:	678		
Factor:	1.00		

LABORATORY **Analytical Test:**

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 3

Client: C.E. Schmidt
Client ID: T-103
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 548
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	664			
Final:	664			
Factor:	1.00			

LABORATORY | **Analytical Test:** | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions | Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria

Report Types: PDF Only

EDD Instructions | **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 2

Client: C.E. Schmidt
Client ID: T-102
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 737
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:05
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	687			
Final:	687			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCL ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 1

Client: C.E. Schmidt
Client ID: T-101
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 758
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

Date:
Initial : 683
Final: 683
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCL	ASTM D3416	ASTM D3416 Low Level Methane	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Sample Data Packages

SDG Number 226144

Lab Id Number 1

Client ID T-101

Analytical Method ASTM D3416

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Can/Tube#: 758
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:24
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.46	1.39	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	01				
File Name:	2614401A	B		**SF:**	2
Description:	T-101			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	10:03	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	13:24	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	758				
Can Factor	1.42				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**5021**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614401A
QCBatch 090126-GCL
Can Factor 1.42
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.42
Gas Constant: 24.4
Decimal Places: 2

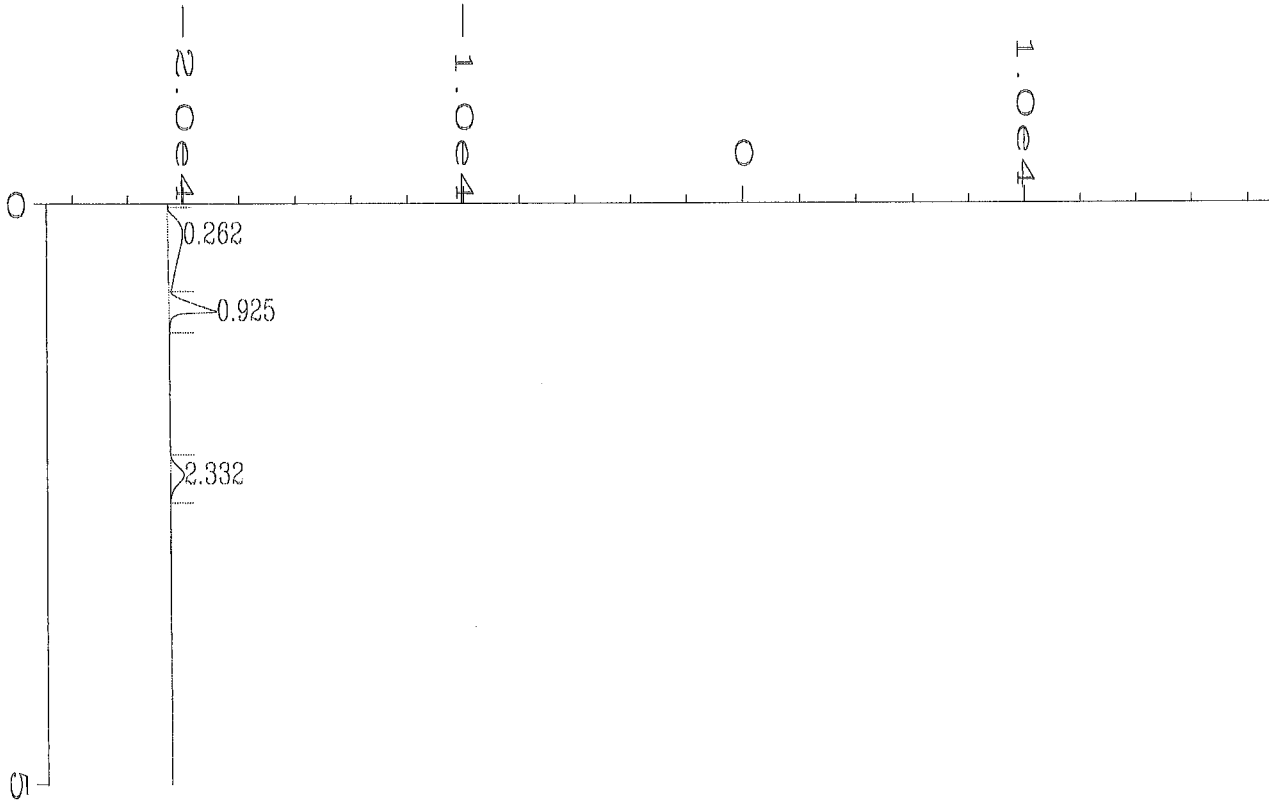
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.67	ND	ND	0		0.50	0.71	2.13	0.71	2.13	0.46	1.39	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614401A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-101
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 01:24 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:43 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614401A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.262	13902	542	BV	0.325	48.3710
2	0.925	9817	1717	VB	0.074	34.1585
3	2.332	5021	480	BB	0.131	17.4705

Total area = 28741

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Sample Data Packages

SDG Number 226144

Lab Id Number 2

Client ID T-102

Analytical Method ASTM D3416

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 02

File Name: 2614402A
Description: T-102
Can/Tube#: 737
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:05
Date Analyzed: 09/01/26 **Time:** 13:29
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	ND	0.47	1.40	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	02				
File Name:	2614402A	B		**SF:**	2
Description:	T-102			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	10:05	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	13:29	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	737				
Can Factor	1.42				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1619**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

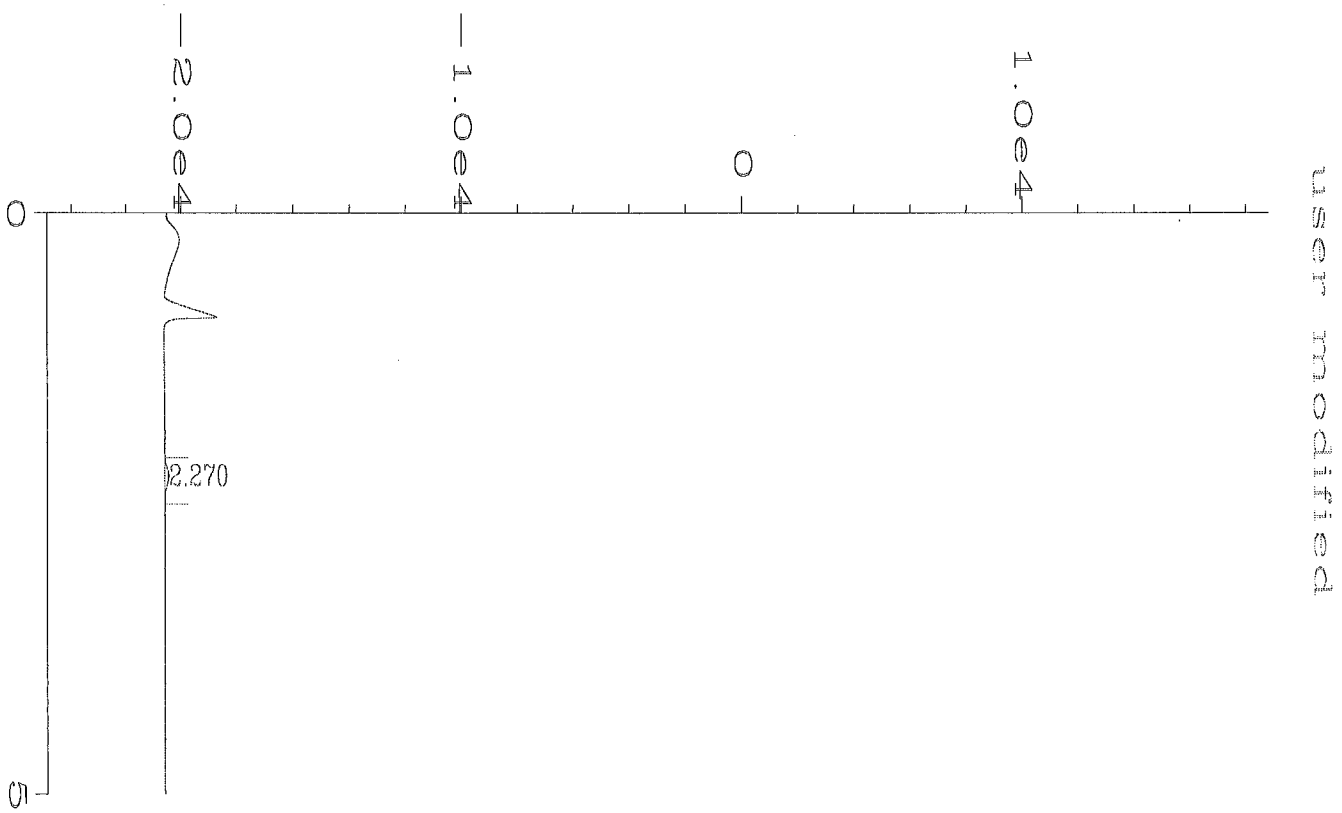
File Name: 2614402A
QCBatch 090126-GCL
Can Factor 1.42
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.42
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.22	ND	ND	0		0.50	0.71	2.14	0.71	2.14	0.47	1.40	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614402A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-102
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 01:29 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:43 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614402A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.270	1619	152	MM	0.178	100.0000

Total area = 1619

User Modified

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Sample Data Packages

SDG Number 226144

Lab Id Number 3

Client ID T-103

Analytical Method ASTM D3416

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Can/Tube#: 548
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:35
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	ND	0.44	1.31	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	03				
File Name:	2614403A	B		**SF:**	2
Description:	T-103			Not Detected Flag:	ND
Date Sampled:	07/20/26	**Time:**	10:03	Matrix	AA
Date Received:	07/24/26	**Time:**	16:10	Type	TRG
Date Analyzed:	09/01/26	**Time:**	13:35	Instrument	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	548				
Can Factor	1.33				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2249**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614403A
QCBatch 090126-GCL
Can Factor 1.33
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.33
Gas Constant: 24.4
Decimal Places: 2

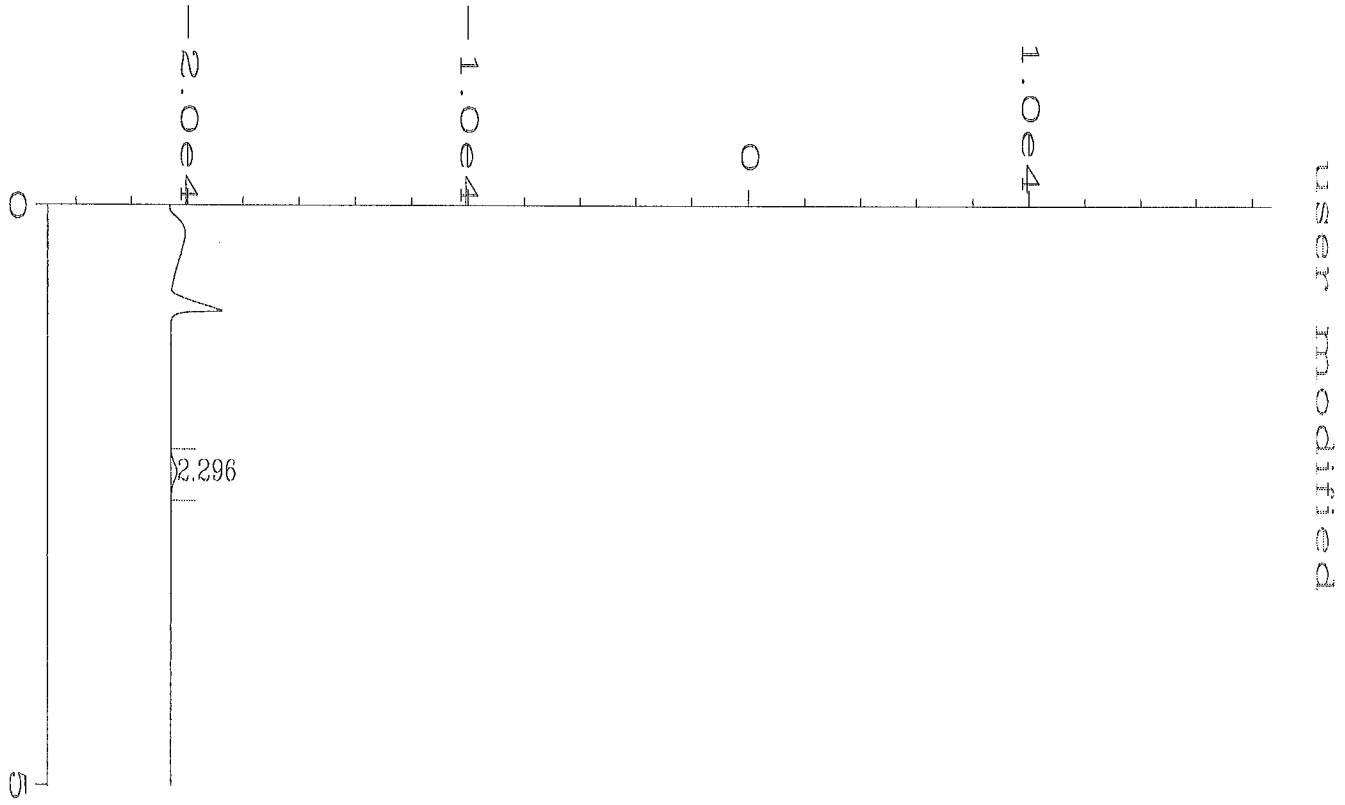
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.28	ND	ND	0		0.50	0.67	2.00	0.67	2.00	0.44	1.31	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614403A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-103
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 01:35 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:44 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614403A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.296	2249	214	MM	0.175	100.0000

Total area = 2249

User Modified

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **4**

Client ID T-104

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 04

File Name: 2614404A
Description: T-104
Can/Tube#: 990
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 13:40
Dilution Factor: 1.53

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	04				
File Name:	2614404A	B		**SF:**	2
Description:	T-104			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	9:58	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	13:40	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	990				
Can Factor	1.53				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1319**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614404A
QCBatch 090126-GCL
Can Factor 1.53
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.53
Gas Constant: 24.4
Decimal Places: 2

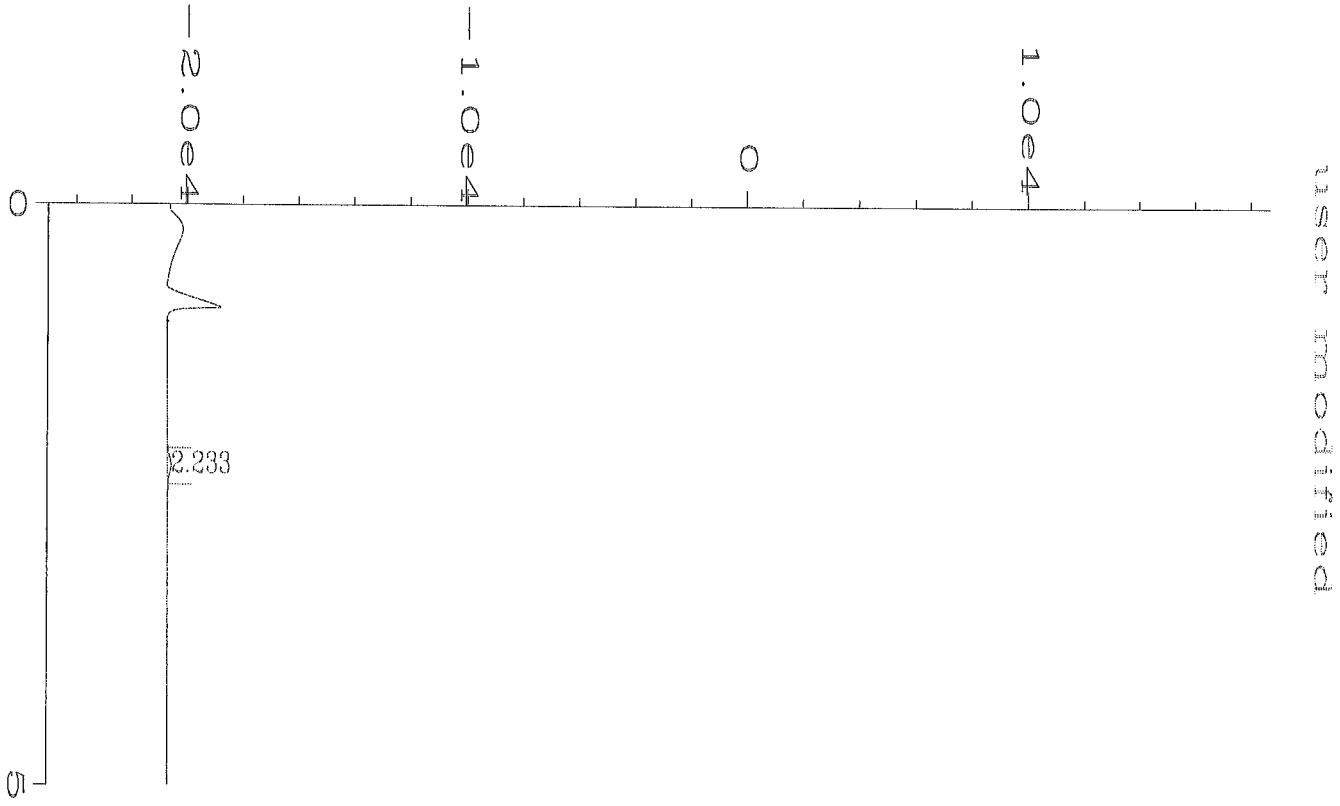
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.19	ND	ND	0		0.50	0.77	2.30	0.77	2.30	0.50	1.51	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614404A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-104
Run Time Bar Code:
Acquired on : 01 Sep 26 01:40 PM
Report Created on: 02 Sep 26 04:44 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614404A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.233	1319	130	MM	0.169	100.0000

Total area = 1319

User Modified

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Sample Data Packages

SDG Number 226144

Lab Id Number 5

Client ID T-105

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Can/Tube#: 885
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 09/01/26 **Time:** 13:46
Dilution Factor: 1.50

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.25	ND	0.49	1.47	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	05				
File Name:	2614405A	B		**SF:**	2
Description:	T-105			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	11:00	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	13:46	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	885				
Can Factor	1.50				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**4856**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614405A
QCBatch 090126-GCL
Can Factor 1.50
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.50
Gas Constant: 24.4
Decimal Places: 2

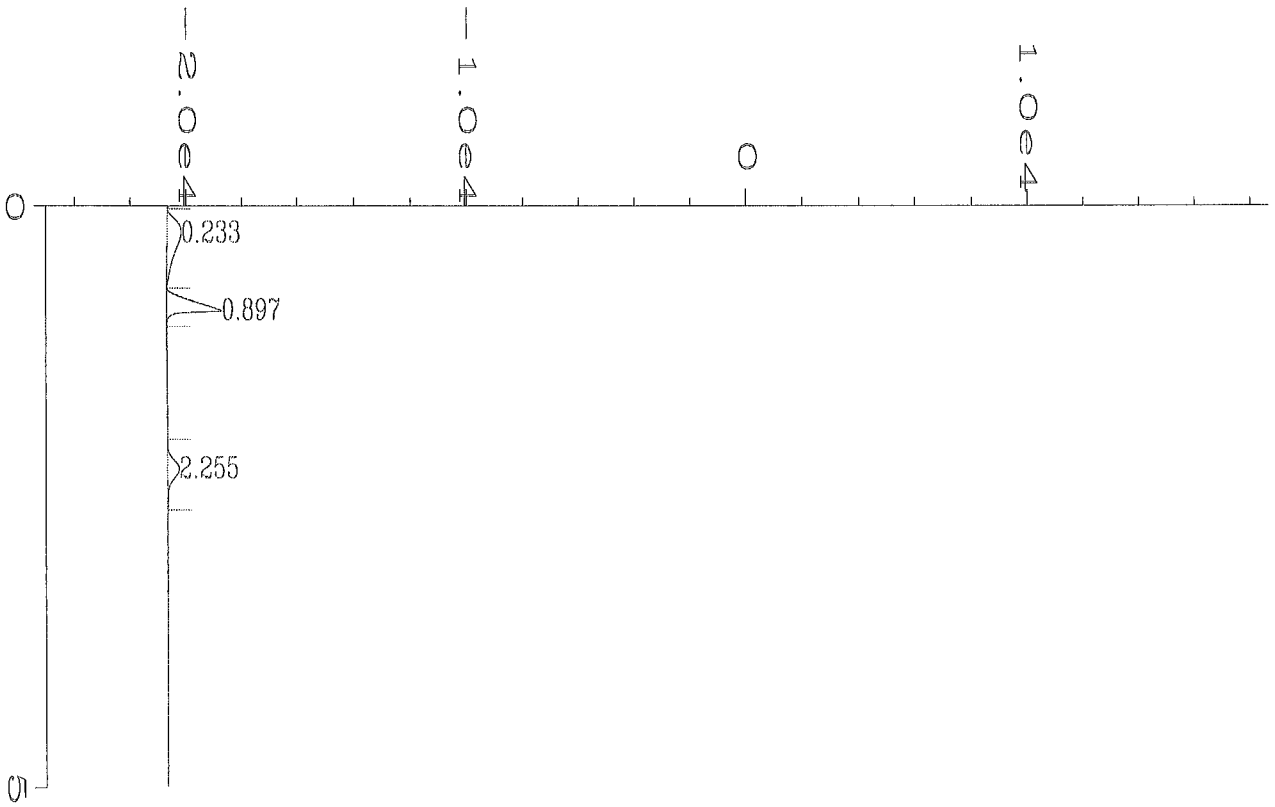
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.68	ND	ND	0		0.50	0.75	2.25	0.75	2.25	0.49	1.47	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614405A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-105
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 01:46 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:44 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614405A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.233	10220	523	BV	0.241	37.7685
2	0.897	11983	1981	PB	0.077	44.2848
3	2.255	4856	436	BB	0.140	17.9467

Total area = 27060

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Sample Data Packages

SDG Number 226144

Lab Id Number 6

Client ID T-106

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Can/Tube#: 755
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 09/01/26 **Time:** 13:52
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.24	0.99	0.49	1.47	0.65	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	06				
File Name:	2614406A	B		**SF:**	2
Description:	T-106			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	10:59	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	13:52	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	755				
Can Factor	1.49				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**7064**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

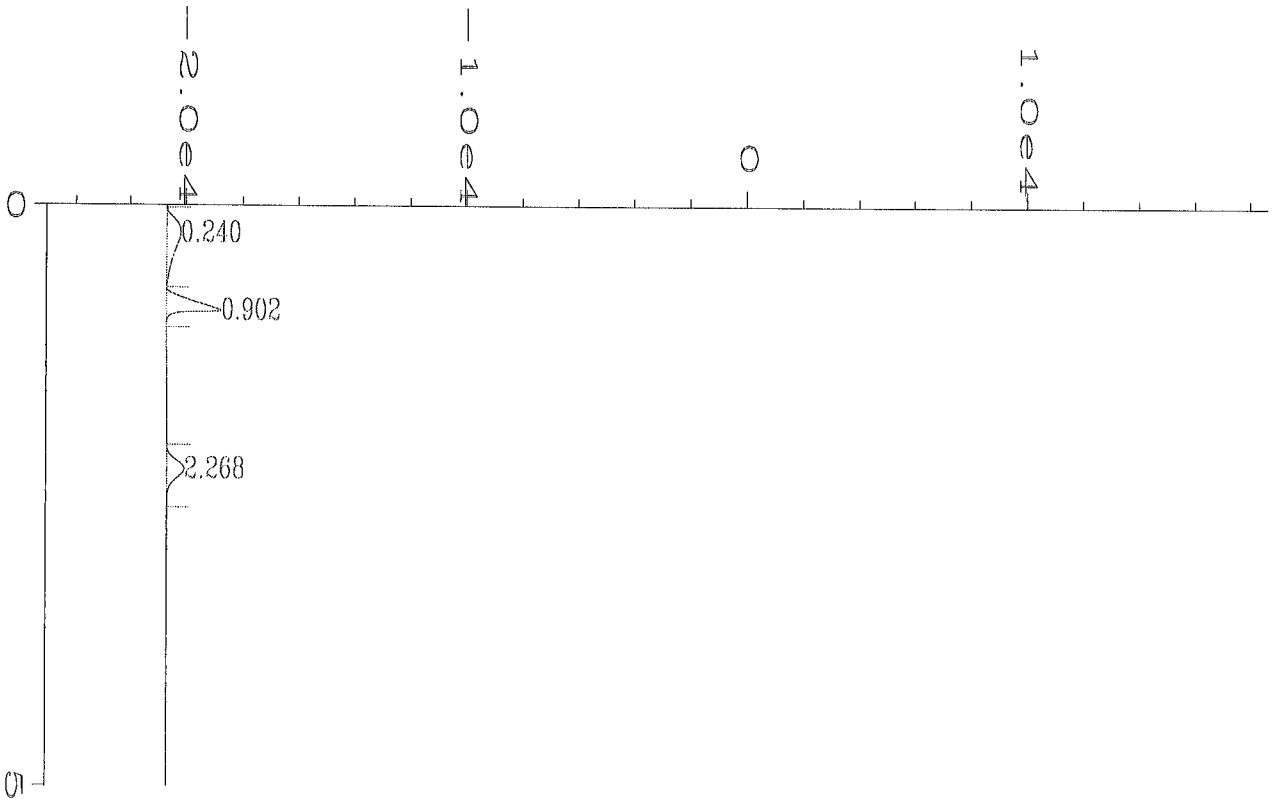
File Name: 2614406A
QCBatch 090126-GCL
Can Factor 1.49
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.49
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.99	0.99	0.65	0.65	0.65	0.50	0.75	2.24	0.75	2.24	0.49	1.47	J

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614406A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-106
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 01:52 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:44 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614406A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.240	10263	523	BV	0.239	35.2121
2	0.902	11818	1970	PV	0.075	40.5500
3	2.268	7064	643	BB	0.136	24.2379

Total area = 29145

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Sample Data Packages

SDG Number **226144**

Lab Id Number **7**

Client ID T-107

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Can/Tube#: 182
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 09/01/26 **Time:** 13:58
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.98	1.97	0.43	1.30	1.29	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	07				
File Name:	2614407A	B		**SF:**	2
Description:	T-107			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	11:03	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	13:58	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	182				
Can Factor	1.32				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**15943**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614407A
QCBatch 090126-GCL
Can Factor 1.32
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.32
Gas Constant: 24.4
Decimal Places: 2

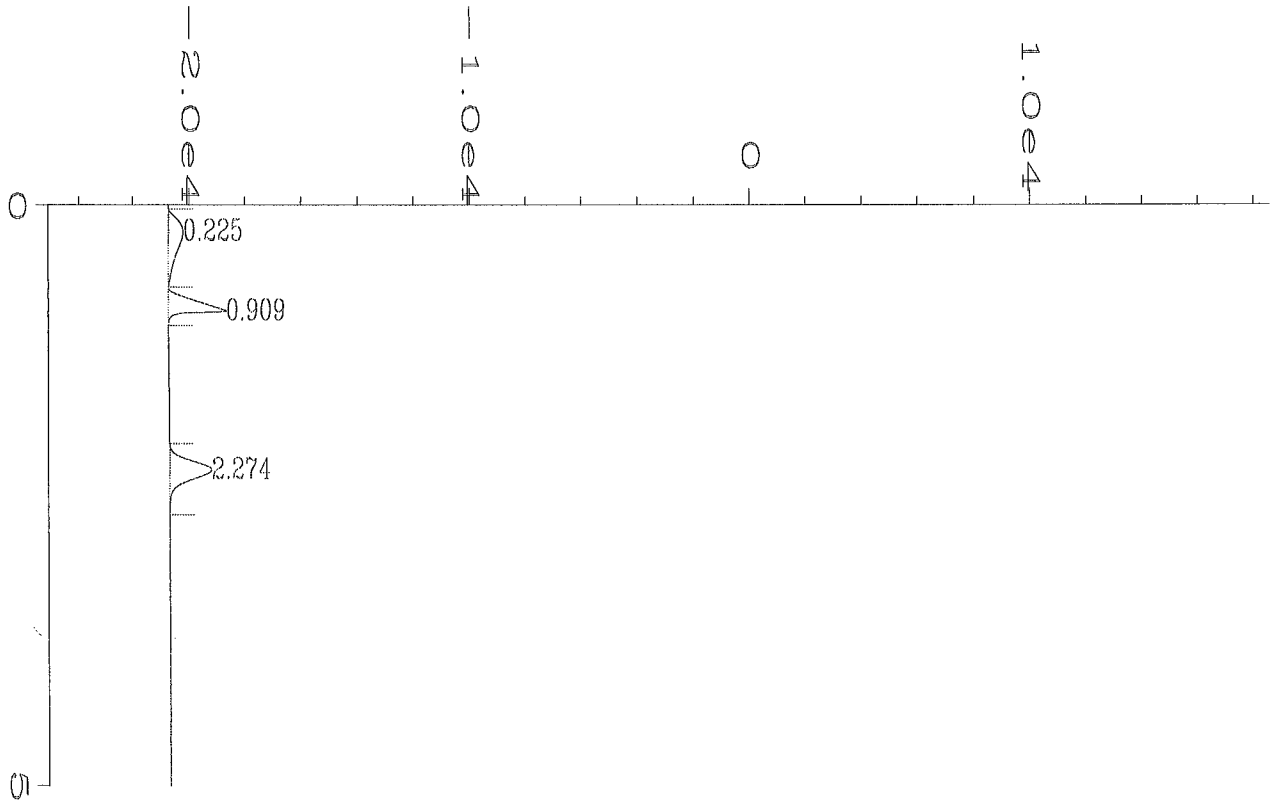
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1.97	1.97	1.29	1.29	1.29	0.50	0.66	1.98	0.66	1.98	0.43	1.30	J

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614407A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-107
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 01:58 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:44 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614407A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.225	10378	514	BV	0.248	26.6783
2	0.909	12581	2074	PB	0.077	32.3395
3	2.274	15943	1470	BB	0.141	40.9822

Total area = 38902

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Sample Data Packages

SDG Number 226144

Lab Id Number 8

Client ID T-108

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Can/Tube#: 551
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 09/01/26 **Time:** 14:04
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.98	1.47	0.43	1.30	0.96	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	08				
File Name:	2614408A	B		**SF:**	2
Description:	T-108			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	10:57	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:04	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	551				
Can Factor	1.32				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**11878**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

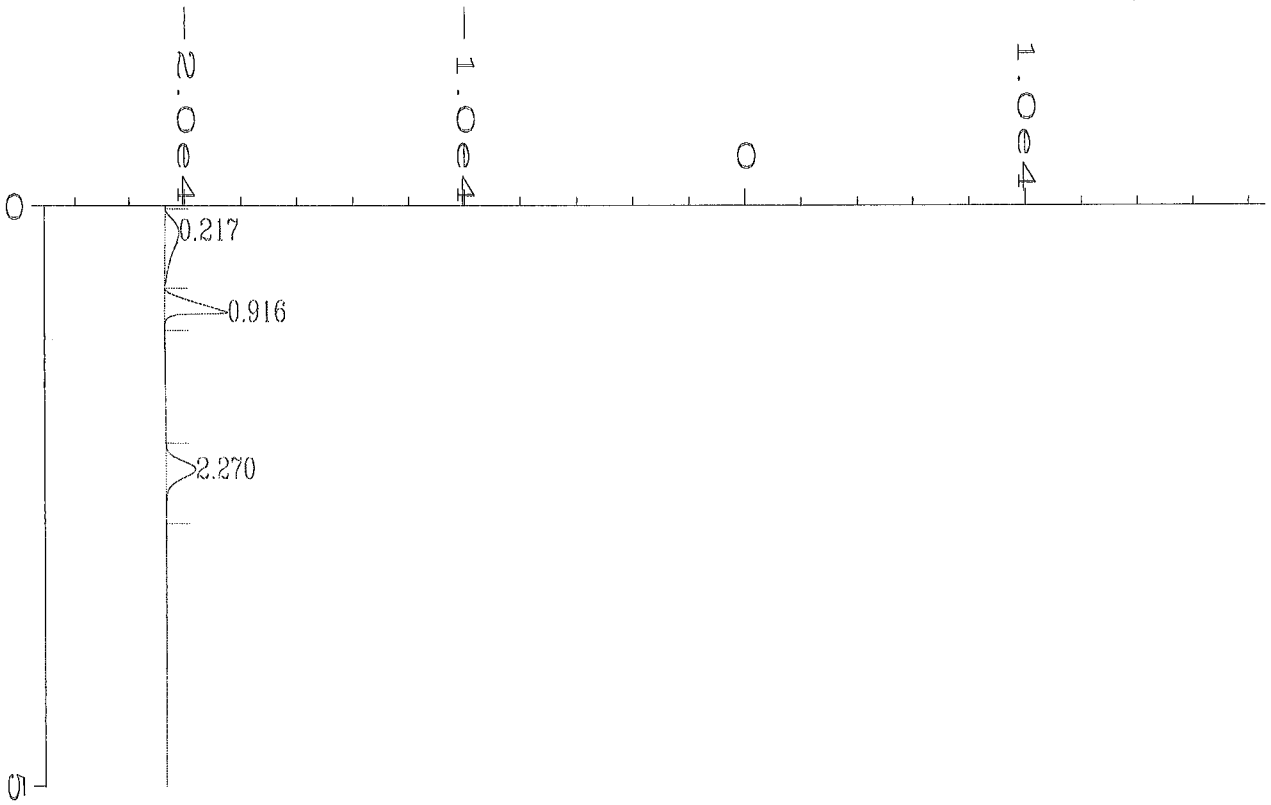
File Name: 2614408A
QCBatch 090126-GCL
Can Factor 1.32
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.32
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1.47	1.47	0.96	0.96	0.96	0.50	0.66	1.98	0.66	1.98	0.43	1.30	J

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614408A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-108
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:04 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:44 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614408A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.217	10282	516	BV	0.249	28.1010
2	0.916	14430	2284	PB	0.083	39.4369
3	2.270	11878	1089	BB	0.137	32.4621

Total area = 36589

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Sample Data Packages

SDG Number 226144

Lab Id Number 9

Client ID T-109

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Can/Tube#: 638
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 14:09
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	ND	0.49	1.48	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	09				
File Name:	2614409A	B		**SF:**	2
Description:	T-109			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	12:14	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:09	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	638				
Can Factor	1.51				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1542**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614409A
QCBatch 090126-GCL
Can Factor 1.51
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.51
Gas Constant: 24.4
Decimal Places: 2

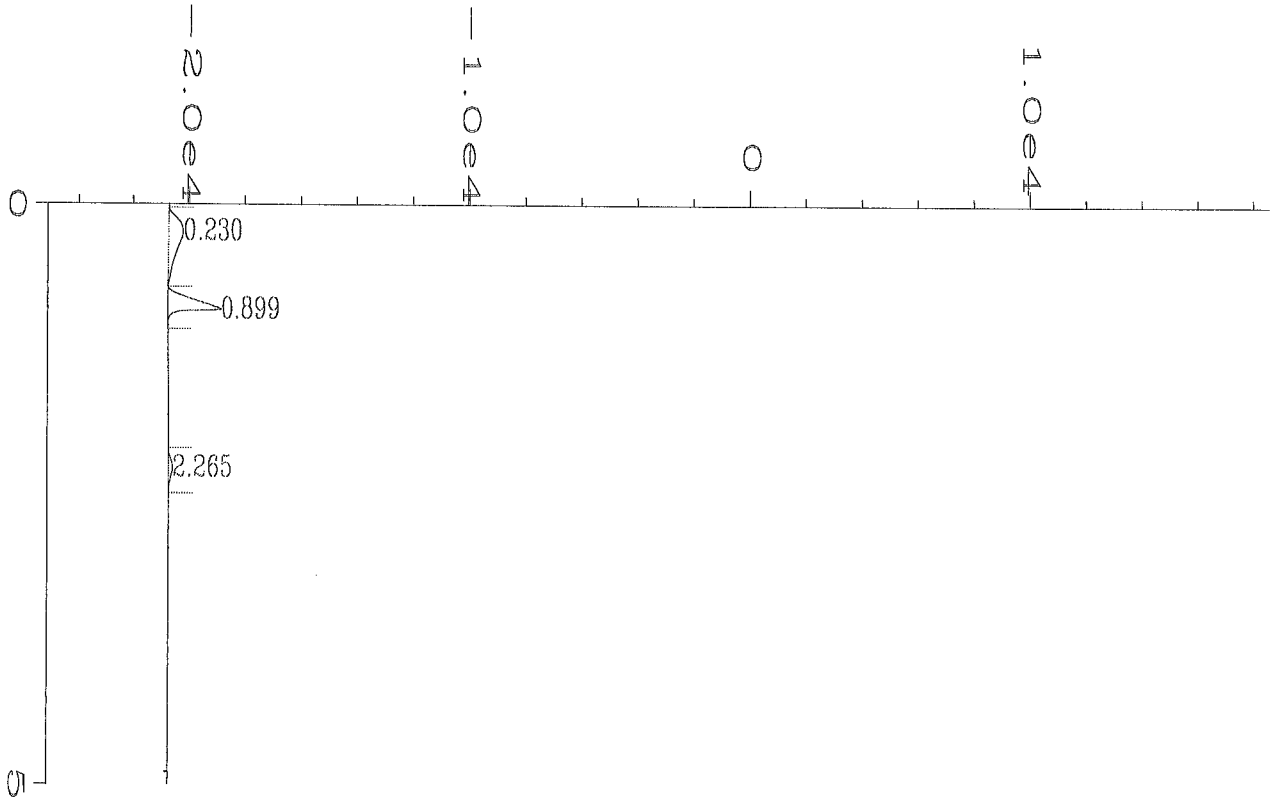
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: **3** L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.22	ND	ND	0		0.50	0.75	2.26	0.75	2.26	0.49	1.48	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614409A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-109
Run Time Bar Code:
Acquired on : 01 Sep 26 02:09 PM
Report Created on: 02 Sep 26 04:44 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614409A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.230	10383	518	BV	0.247	44.6278
2	0.899	11341	1922	PB	0.076	48.7451
3	2.265	1542	146	BB	0.137	6.6271

Total area = 23265

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **10**

Client ID T-110

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Can/Tube#: 800
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 14:15
Dilution Factor: 1.29

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.93	0.78	0.42	1.27	0.51	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	10				
File Name:	2614410A	B		**SF:**	2
Description:	T-110			Not Detected Flag:	ND
Date Sampled:	07/20/26	**Time:**	12:05	Matrix	AA
Date Received:	07/24/26	**Time:**	16:10	Type	TRG
Date Analyzed:	09/01/26	**Time:**	14:15	Instrument	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	800				
Can Factor	1.29				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**6441**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

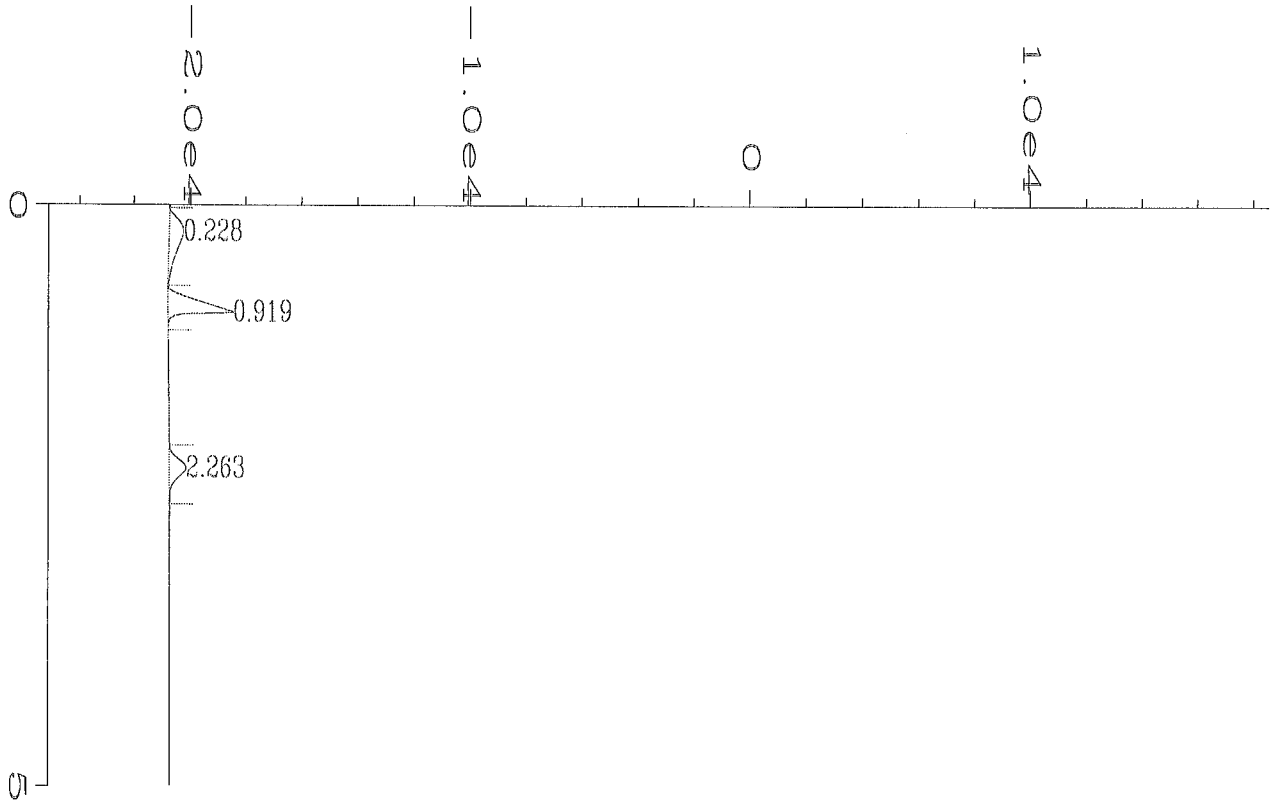
File Name: 2614410A
QCBatch 090126-GCL
Can Factor 1.29
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.29
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.78	0.78	0.51	0.51	0.51	0.50	0.64	1.93	0.64	1.93	0.42	1.27	J

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614410A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-110
Run Time Bar Code:
Acquired on : 01 Sep 26 02:15 PM
Report Created on: 02 Sep 26 04:45 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614410A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.228	9949	510	BV	0.235	31.0611
2	0.919	15641	2384	PB	0.084	48.8310
3	2.263	6441	593	BB	0.133	20.1079

Total area = 32030

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 11

Client ID T-111

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Can/Tube#: 645
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 14:21
Dilution Factor: 1.58

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.79	2.36	ND	0.52	1.55	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	11				
File Name:	2614411A	B		**SF:**	2
Description:	T-111			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	12:02	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:21	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	645				
Can Factor	1.58				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1463**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

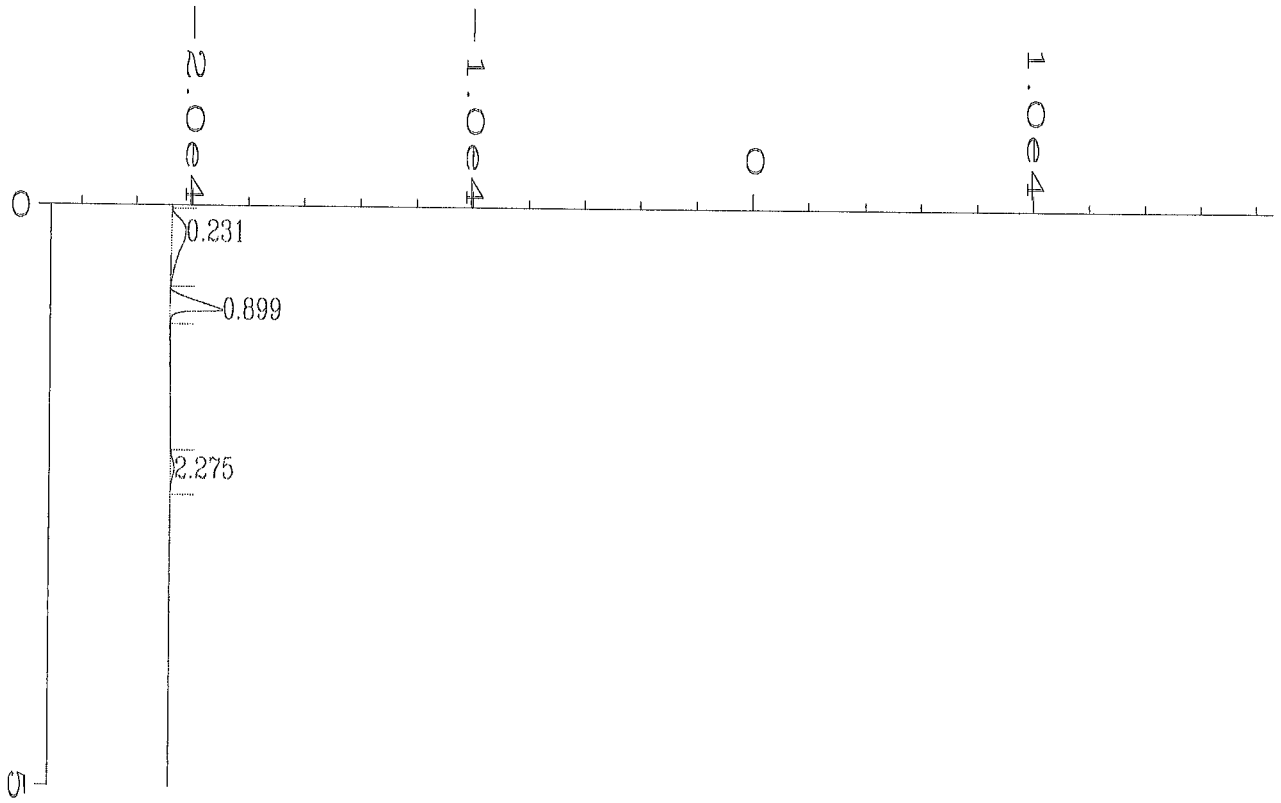
File Name: 2614411A
QCBatch 090126-GCL
Can Factor 1.58
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.58
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.22	ND	ND	0		0.50	0.79	2.36	0.79	2.36	0.52	1.55	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614411A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-111
Run Time Bar Code:
Acquired on : 01 Sep 26 02:21 PM
Report Created on: 02 Sep 26 04:45 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614411A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.231	10458	524	BV	0.241	45.1352
2	0.899	11249	1885	PB	0.076	48.5520
3	2.275	1463	146	BB	0.133	6.3128

Total area = 23170

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **12**

Client ID T-112

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 12

File Name: 2614412A
Description: T-112
Can/Tube#: 663
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 09/01/26 **Time:** 14:26
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	0.69	0.43	1.29	0.45	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	12				
File Name:	2614412A	B		**SF:**	2
Description:	T-112			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	12:17	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:26	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	663				
Can Factor	1.31				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**5622**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

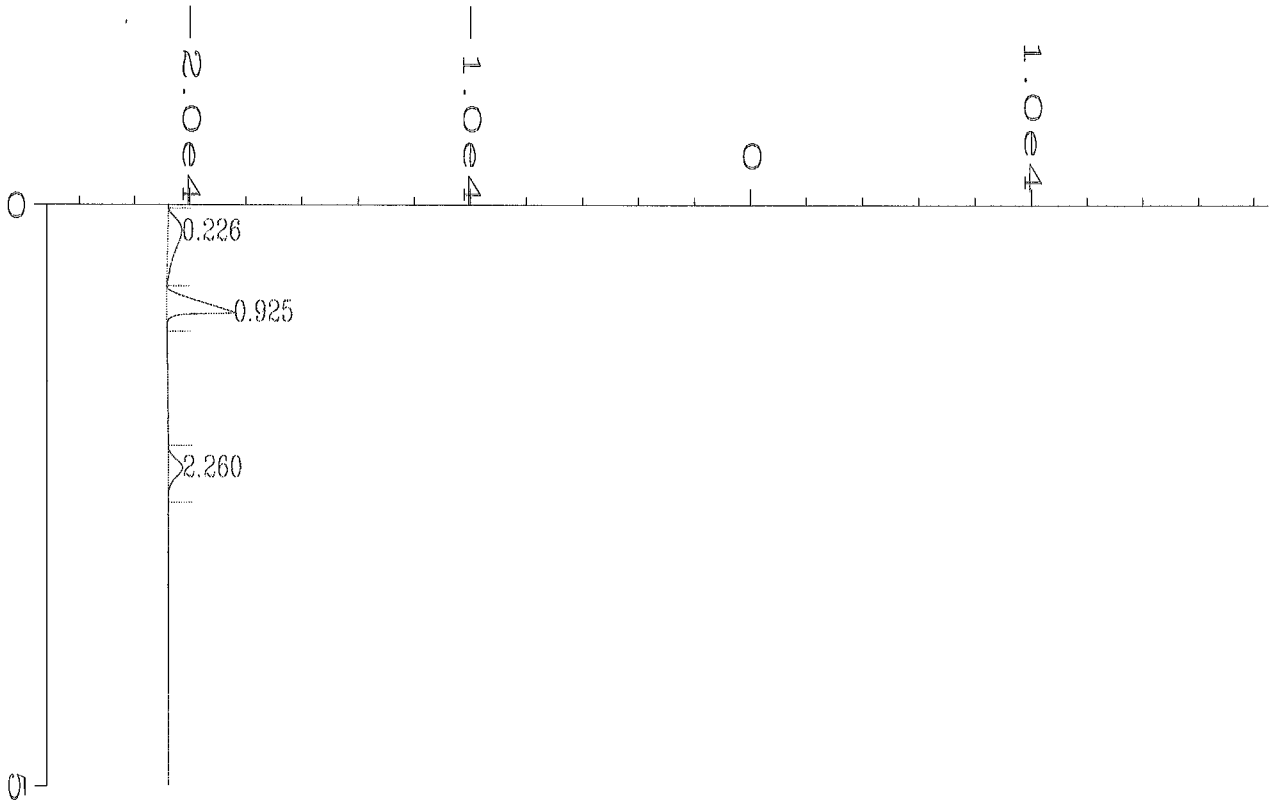
File Name: 2614412A
QCBatch 090126-GCL
Can Factor 1.31
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.31
Gas Constant: 24.4
Decimal Places: 2

SDG: 226144

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.69	0.69	0.45	0.45	0.45	0.50	0.66	1.97	0.66	1.97	0.43	1.29	J

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614412A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-112
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:26 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:45 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614412A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.226	10097	516	BV	0.233	31.2406
2	0.925	16602	2443	PB	0.087	51.3661
3	2.260	5622	521	BB	0.138	17.3933

Total area = 32321

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **13**

Client ID T-113

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Can/Tube#: 859
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 09/01/26 **Time:** 14:32
Dilution Factor: 1.54

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.77	2.30	ND	0.50	1.51	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	13				
File Name:	2614413A	B		**SF:**	2
Description:	T-113			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	12:11	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:32	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	859				
Can Factor	1.54				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1341**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

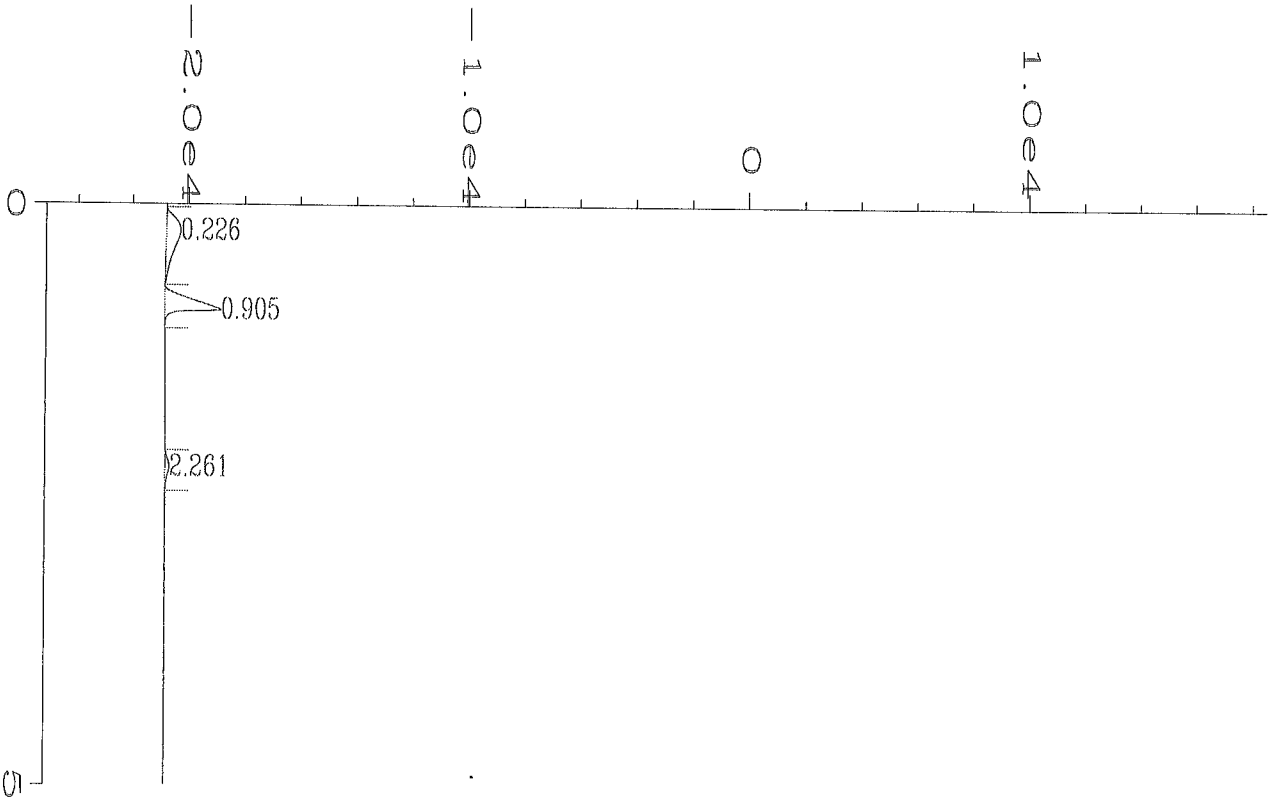
File Name: 2614413A
QCBatch 090126-GCL
Can Factor 1.54
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.54
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.19	ND	ND	0		0.50	0.77	2.30	0.77	2.30	0.50	1.51	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614413A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-113
Run Time Bar Code:
Acquired on : 01 Sep 26 02:32 PM
Report Created on: 02 Sep 26 04:45 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614413A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.226	9982	515	BV	0.241	41.6678
2	0.905	12633	1997	PB	0.079	52.7345
3	2.261	1341	135	BB	0.126	5.5976

Total area = 23956

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 14

Client ID T-114

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Can/Tube#: 529
QC_Batch: 090126-GCL

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 09/01/26 **Time:** 14:40
Dilution Factor: 1.24

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.62	1.86	ND	0.41	1.22	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	14				
File Name:	2614414A	B		**SF:**	2
Description:	T-114			**Not Detected Flag:**	ND
Date Sampled:	07/20/26	**Time:**	12:51	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:40	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	529				
Can Factor	1.24				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**0**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614414A
QCBatch 090126-GCL
Can Factor 1.24
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.24
Gas Constant: 24.4
Decimal Places: 2

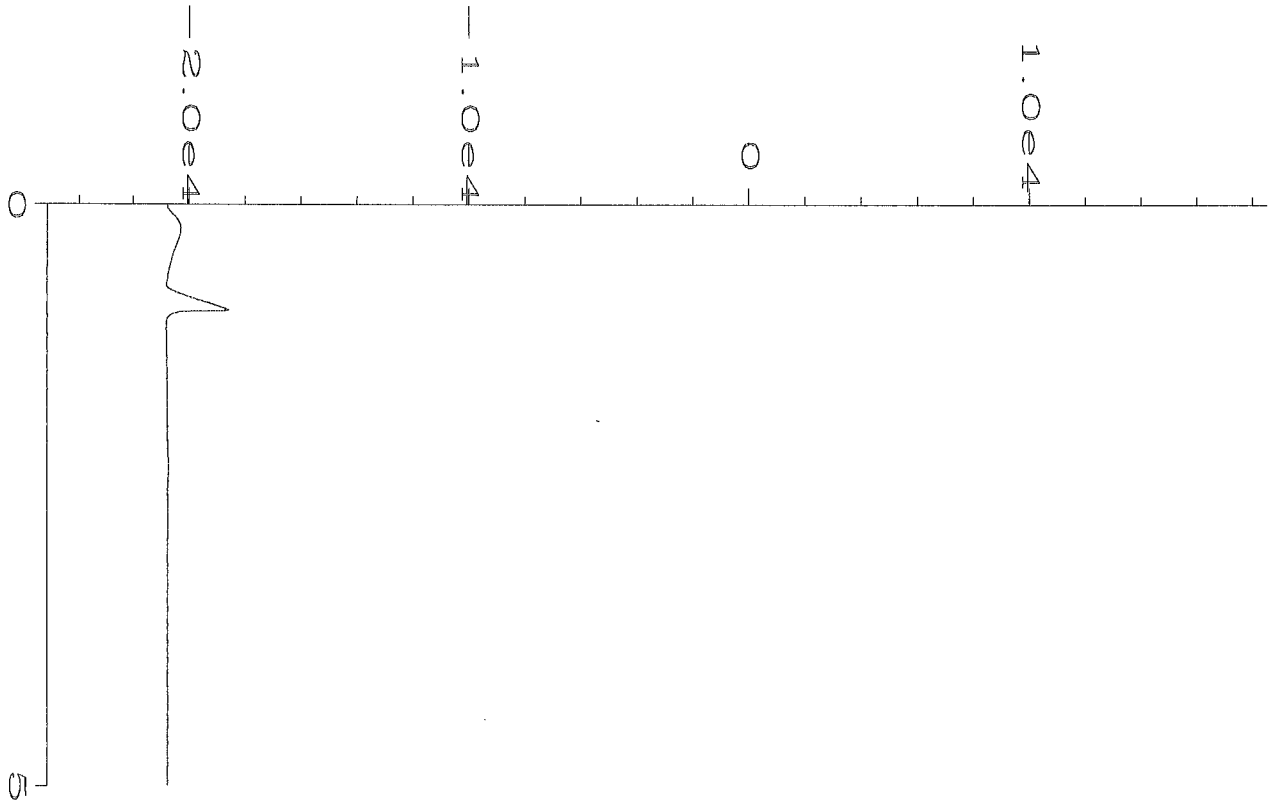
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.00	ND	ND	0		0.50	0.62	1.86	0.62	1.86	0.41	1.22	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614414A.D
Operator : DA Page Number : 1
Instrument : ANALYZER1 Vial Number :
Sample Name : T-114 Injection Number :
Run Time Bar Code: Sequence Line :
Acquired on : 01 Sep 26 02:40 PM Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:46 PM Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614414A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %

No results to report

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **15**

Client ID T-201

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 15

File Name:	2614415A	**Date Sampled:**	07/21/26	**Time:**	9:16
Description:	T-201	**Date Analyzed:**	09/01/26	**Time:**	14:45
Can/Tube#:	653	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	20.07	0.46	1.38	13.16	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	15				
File Name:	2614415A	B		**SF:**	2
Description:	T-201			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	9:16	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:45	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	653				
Can Factor	1.40				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**152394**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614415A
QCBatch 090126-GCL
Can Factor 1.40
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.40
Gas Constant: 24.4
Decimal Places: 2

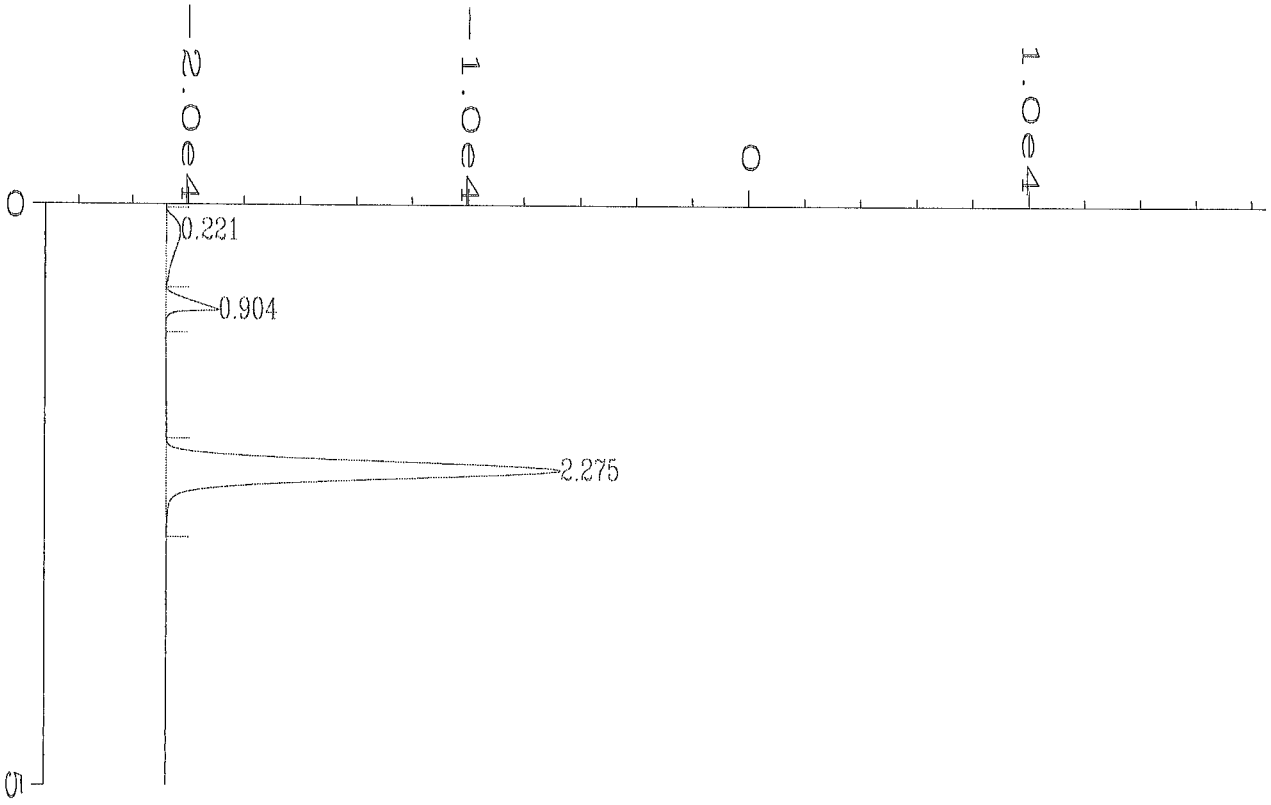
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: **3** L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	20.07	20.07	13.16	13.16	13.16	0.50	0.70	2.11	0.70	2.11	0.46	1.38	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614415A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-115
Run Time Bar Code:
Acquired on : 01 Sep 26 02:45 PM
Report Created on: 02 Sep 26 04:46 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614415A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.221	10892	518	BV	0.247	6.2443
2	0.904	11145	1899	VB	0.076	6.3891
3	2.275	152394	14080	BB	0.165	87.3665

Total area = 174430

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 16

Client ID T-202

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 16

File Name:	2614416A	**Date Sampled:**	07/21/26	**Time:**	9:11
Description:	T-202	**Date Analyzed:**	09/01/26	**Time:**	14:51
Can/Tube#:	803	**Dilution Factor:**	1.27		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.90	1.51	0.41	1.24	0.99	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	16				
File Name:	2614416A	B		**SF:**	2
Description:	T-202			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	9:11	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:51	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	803				
Can Factor	1.27				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**12720**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

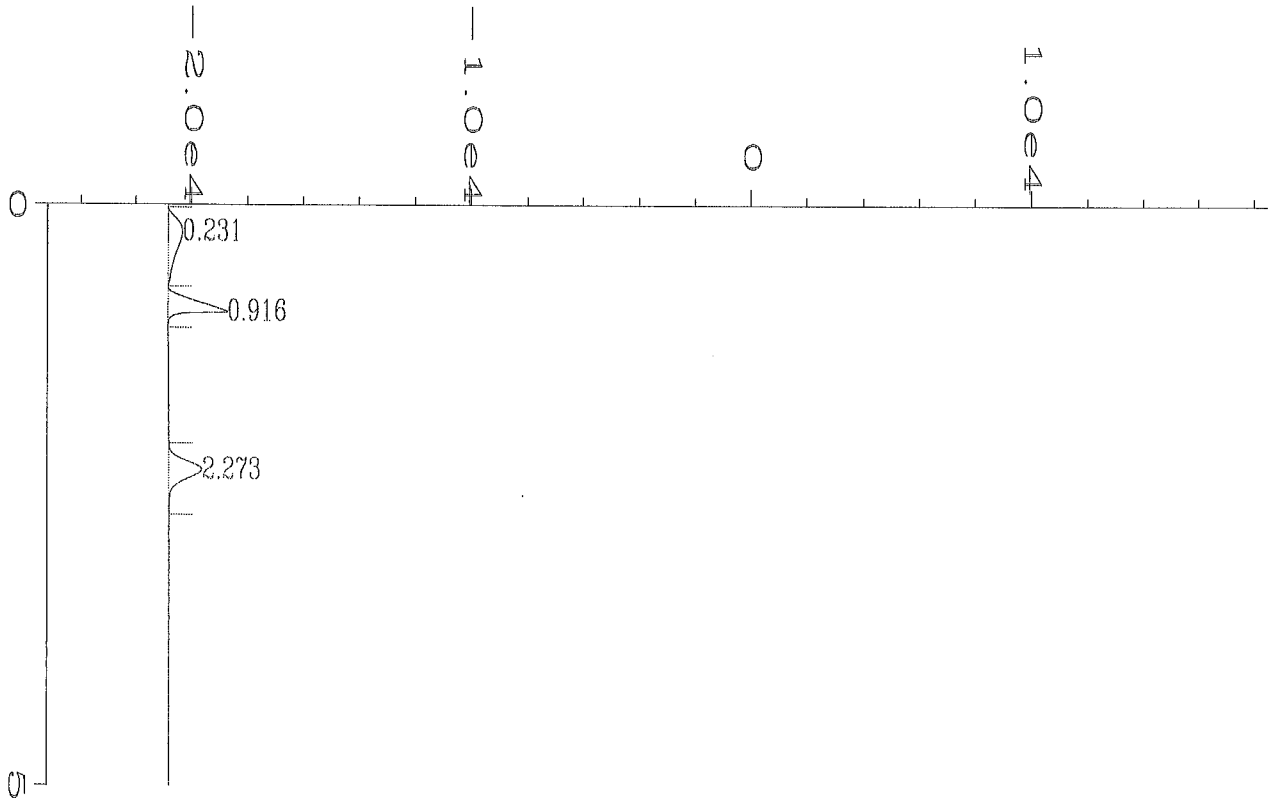
File Name: 2614416A
QCBatch 090126-GCL
Can Factor 1.27
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.27
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1.51	1.51	0.99	0.99	0.99	0.50	0.63	1.90	0.63	1.90	0.41	1.24	J

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614416A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-202
Run Time Bar Code:
Acquired on : 01 Sep 26 02:51 PM
Report Created on: 02 Sep 26 04:47 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614416A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.231	10451	514	BV	0.253	28.5765
2	0.916	13400	2152	VB	0.078	36.6414
3	2.273	12720	1168	BB	0.156	34.7820

Total area = 36572

==========

Sample Data Packages

SDG Number 226144
Lab Id Number 17

Client ID T-203

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 17

File Name: 2614417A
Description: T-203
Can/Tube#: 668
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 9:37
Date Analyzed: 09/01/26 **Time:** 14:57
Dilution Factor: 1.25

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.88	92.40	0.41	1.23	60.59	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	17				
File Name:	2614417A	B		**SF:**	2
Description:	T-203			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	9:37	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	14:57	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	668				
Can Factor	1.25				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**787283**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

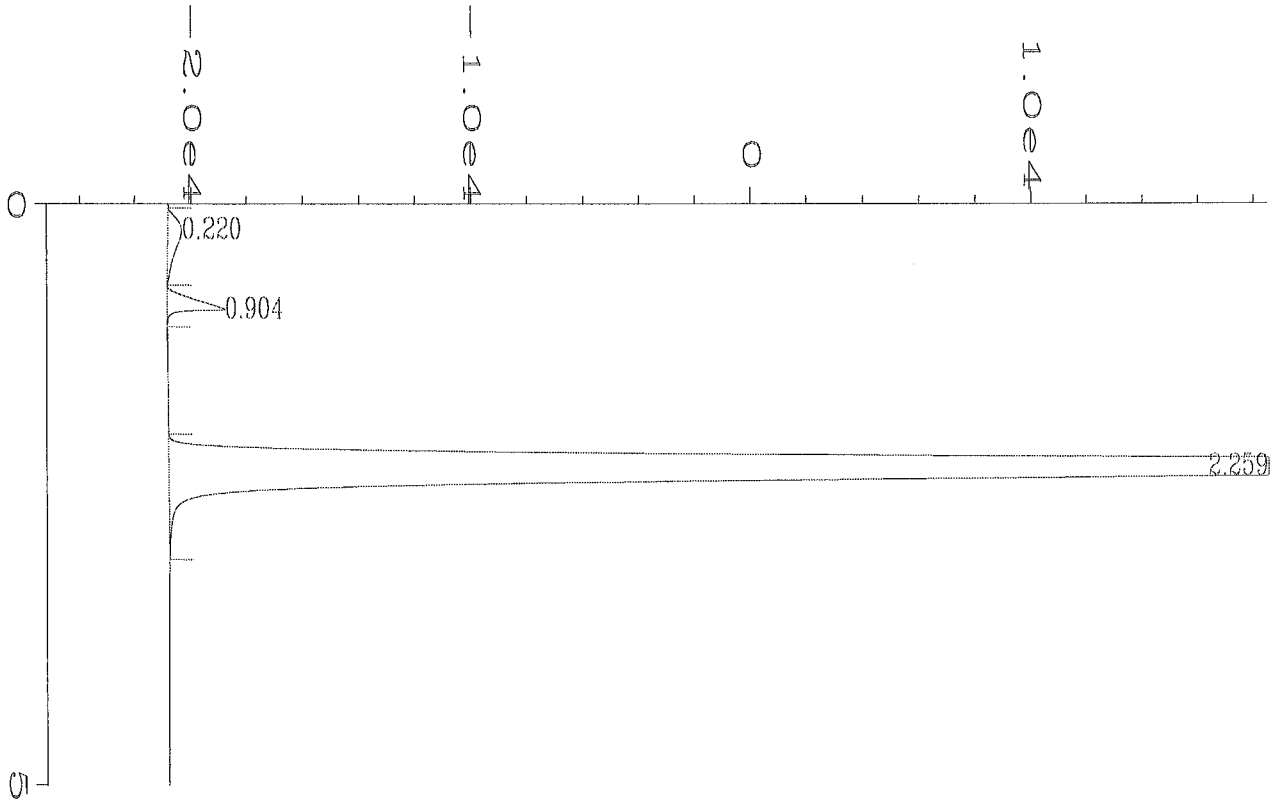
File Name: 2614417A
QCBatch 090126-GCL
Can Factor 1.25
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.25
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	92.40	92.40	60.59	60.59	60.59	0.50	0.63	1.88	0.63	1.88	0.41	1.23	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614417A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-203
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:57 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:48 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614417A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.220	9960	505	BV	0.239	1.2300
2	0.904	12556	2062	PB	0.079	1.5505
3	2.259	787283	72258	BB	0.170	97.2195

Total area = 809799

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **18**

Client ID T-204

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 18

File Name:	2614418A	**Date Sampled:**	07/21/26	**Time:**	9:33
Description:	T-204	**Date Analyzed:**	09/01/26	**Time:**	15:02
Can/Tube#:	688	**Dilution Factor:**	1.59		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.80	2.39	35,720.34	0.52	1.57	23,423.17	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	18				
File Name:	2614418A	B		**SF:**	2
Description:	T-204			Not Detected Flag:	ND
Date Sampled:	07/21/26	**Time:**	9:33	Matrix	AA
Date Received:	07/24/26	**Time:**	16:10	Type	TRG
Date Analyzed:	09/01/26	**Time:**	15:02	Instrument	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	688				
Can Factor	1.59				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.39E+08**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

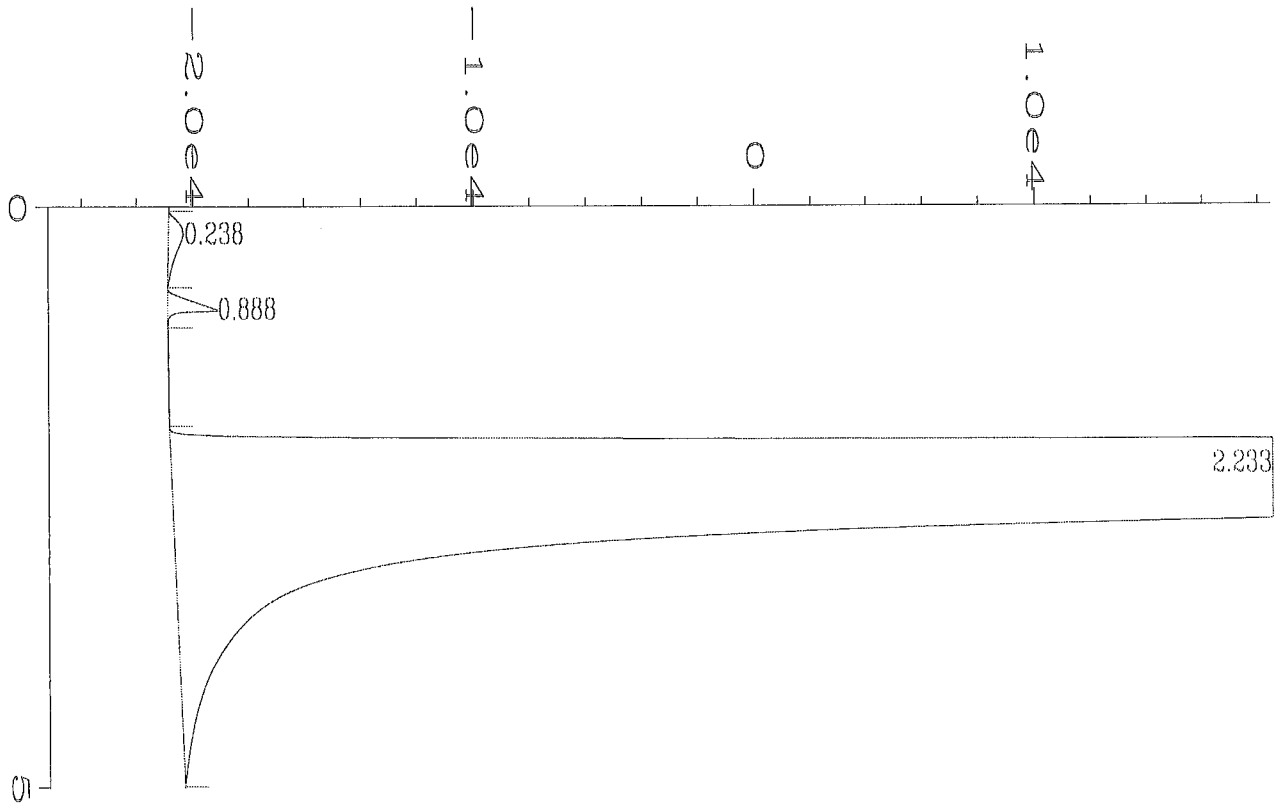
File Name: 2614418A
QCBatch 090126-GCL
Can Factor 1.59
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.59
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	35720.34	35,720.34	23,423.17	23,423.17	23,423.17	0.50	0.80	2.39	0.80	2.39	0.52	1.57	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614418A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-204
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:02 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:48 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614418A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.238	9928	542	BV	0.222	0.0042
2	0.888	10229	1780	PB	0.074	0.0043
3	2.233	2.3919E+008	2.08862E+007	BBA	0.179	99.9916

Total area = 2.39211E+008

Sample Data Packages

SDG Number 226144

Lab Id Number 19

Client ID T-205

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Can/Tube#: 761
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 09/01/26 **Time:** 15:08
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	14.91	0.46	1.38	9.77	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	19				
File Name:	2614419A	B		**SF:**	2
Description:	T-205			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	10:52	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:08	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	761				
Can Factor	1.40				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.13E+05**

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CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614419A
QCBatch 090126-GCL
Can Factor 1.40
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.40
Gas Constant: 24.4
Decimal Places: 2

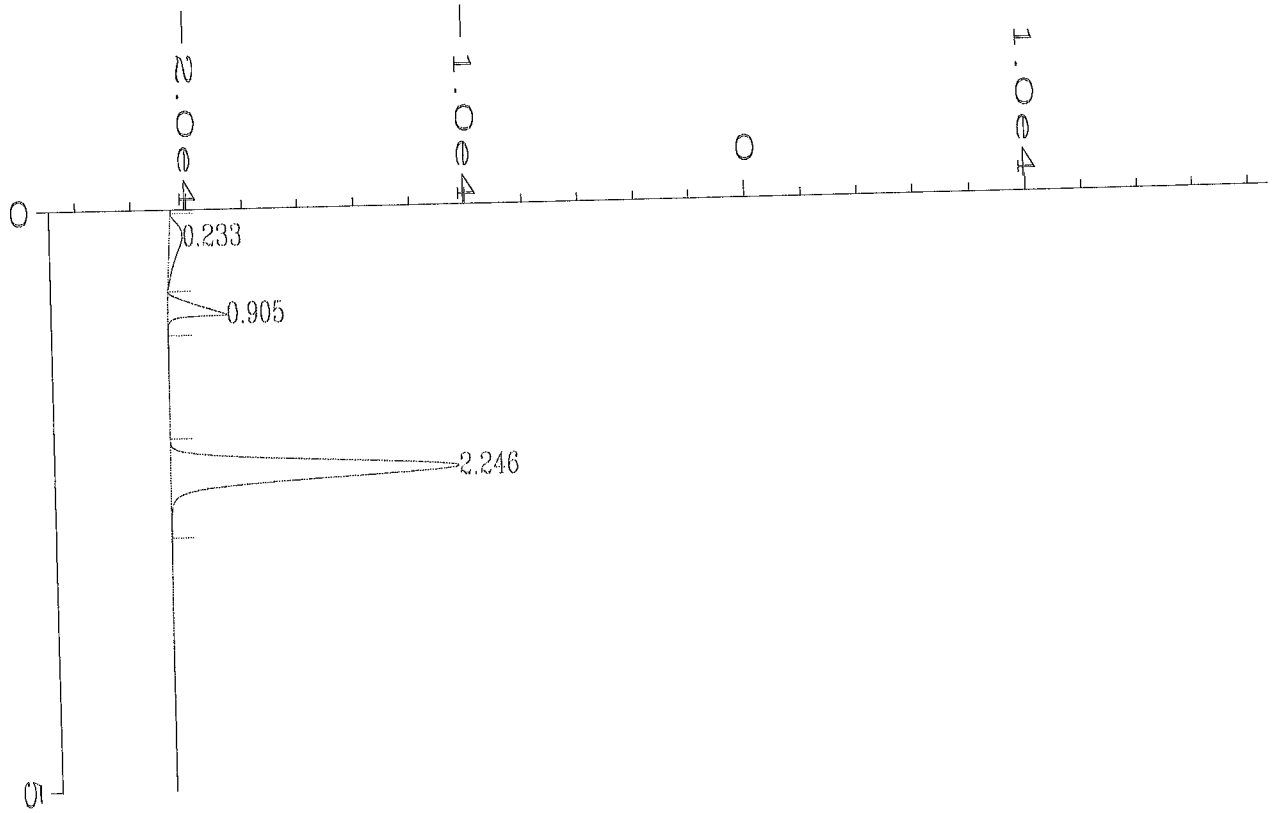
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: **3** L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	14.91	14.91	9.77	9.77	9.77	0.50	0.70	2.11	0.70	2.11	0.46	1.38	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614419A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-205
Run Time Bar Code:
Acquired on : 01 Sep 26 03:08 PM
Report Created on: 02 Sep 26 04:48 PM
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614419A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.233	9082	470	BV	0.236	6.6892
2	0.905	13582	2141	PV	0.081	10.0040
3	2.246	113102	10340	BB	0.169	83.3069

Total area = 135765

Sample Data Packages

SDG Number 226144

Lab Id Number 20

Client ID T-206

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Can/Tube#: 809
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 09/01/26 **Time:** 15:14
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	4.95	0.47	1.40	3.24	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	20				
File Name:	2614420A	B		**SF:**	2
Description:	T-206			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	10:51	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:14	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	809				
Can Factor	1.42				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**3.70E+04**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614420A
QCBatch 090126-GCL
Can Factor 1.42
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.42
Gas Constant: 24.4
Decimal Places: 2

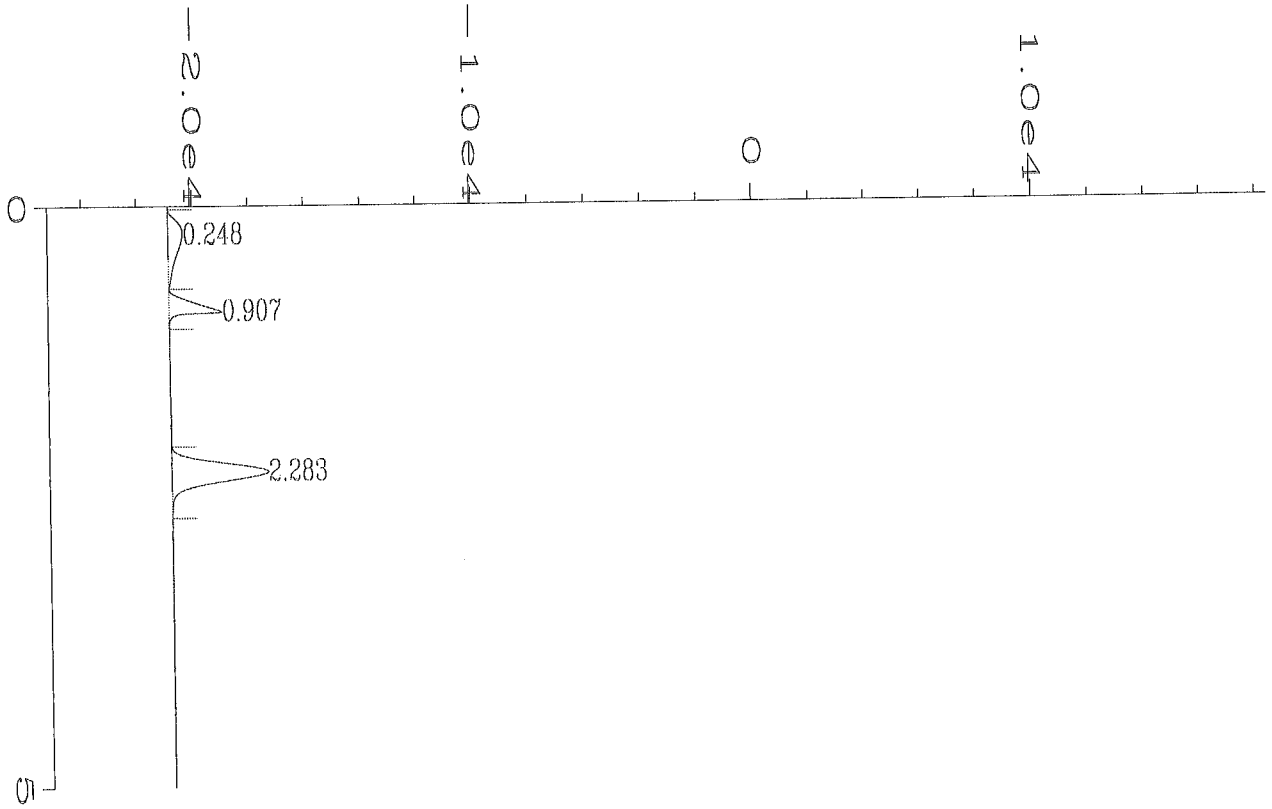
SDG: **226144**

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	4.95	4.95	3.24	3.24	3.24	0.50	0.71	2.14	0.71	2.14	0.47	1.40	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614420A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-206
Run Time Bar Code:
Acquired on : 01 Sep 26 03:14 PM
Report Created on: 02 Sep 26 04:48 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614420A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.248	11198	525	BV	0.257	18.8780
2	0.907	11084	1885	VB	0.078	18.6856
3	2.283	37035	3442	BB	0.159	62.4364

Total area = 59316

Sample Data Packages

SDG Number **226144**

Lab Id Number **21**

Client ID T-207

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 21

File Name: 2614421A
Description: T-207
Can/Tube#: 694
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:53
Date Analyzed: 09/01/26 **Time:** 15:20
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	346.82	0.46	1.37	227.42	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	21				
File Name:	2614421A	B		**SF:**	2
Description:	T-207			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	10:53	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:20	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	694				
Can Factor	1.40				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.65E+06**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

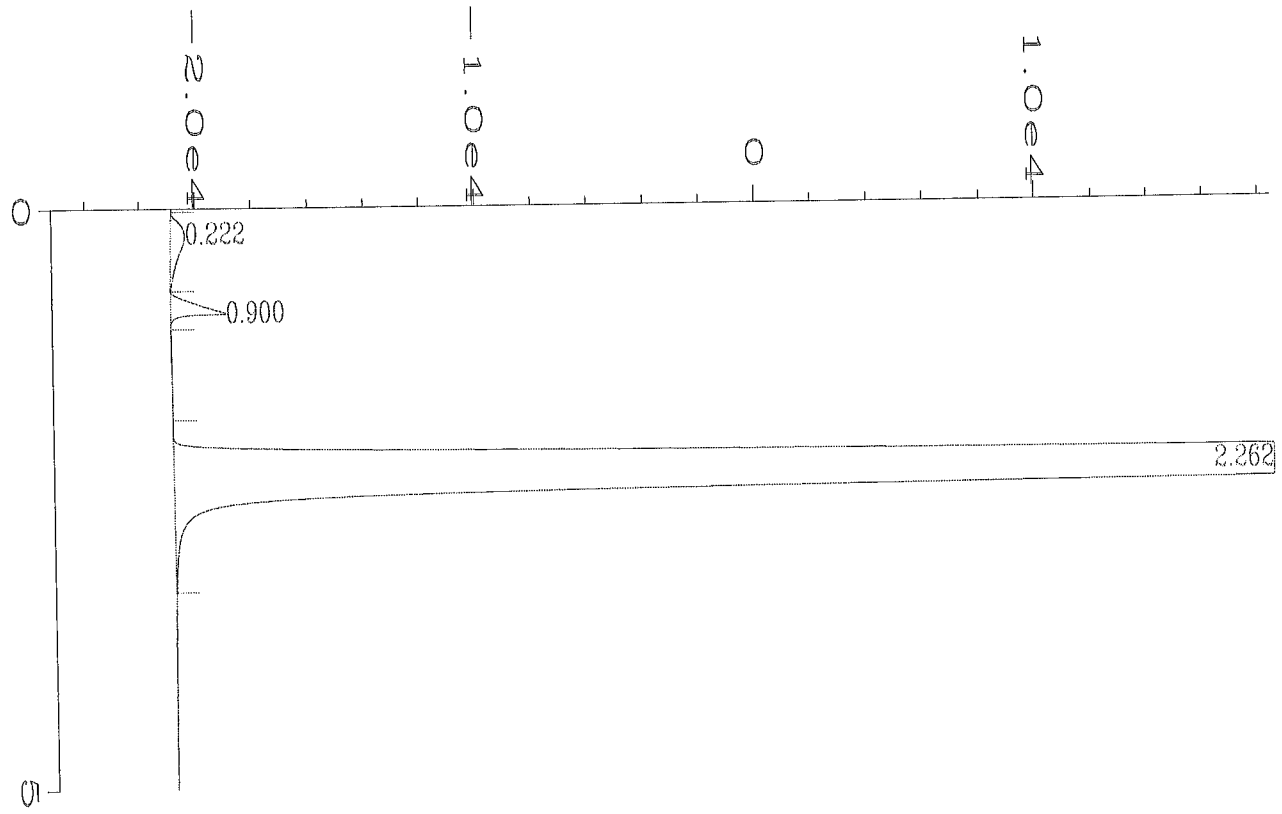
File Name: 2614421A
QCBatch 090126-GCL
Can Factor 1.40
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.40
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	346.82	346.82	227.42	227.42	227.42	0.50	0.70	2.10	0.70	2.10	0.46	1.37	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614421A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-207
Run Time Bar Code:
Acquired on : 01 Sep 26 03:20 PM
Report Created on: 02 Sep 26 04:48 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614421A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.222	9997	506	BV	0.248	0.3748
2	0.900	11401	1941	PB	0.074	0.4275
3	2.262	2645601	243789	BB	0.168	99.1977

Total area = 2666999

Sample Data Packages

SDG Number 226144

Lab Id Number 22

Client ID T-208

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Can/Tube#: 526
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 09/01/26 **Time:** 15:28
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	5,950.44	0.45	1.36	3,901.93	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	22				
File Name:	2614422A	B		**SF:**	2
Description:	T-208			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	10:45	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:28	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	526				
Can Factor	1.38				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**4.58E+07**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614422A
QCBatch 090126-GCL
Can Factor 1.38
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.38
Gas Constant: 24.4
Decimal Places: 2

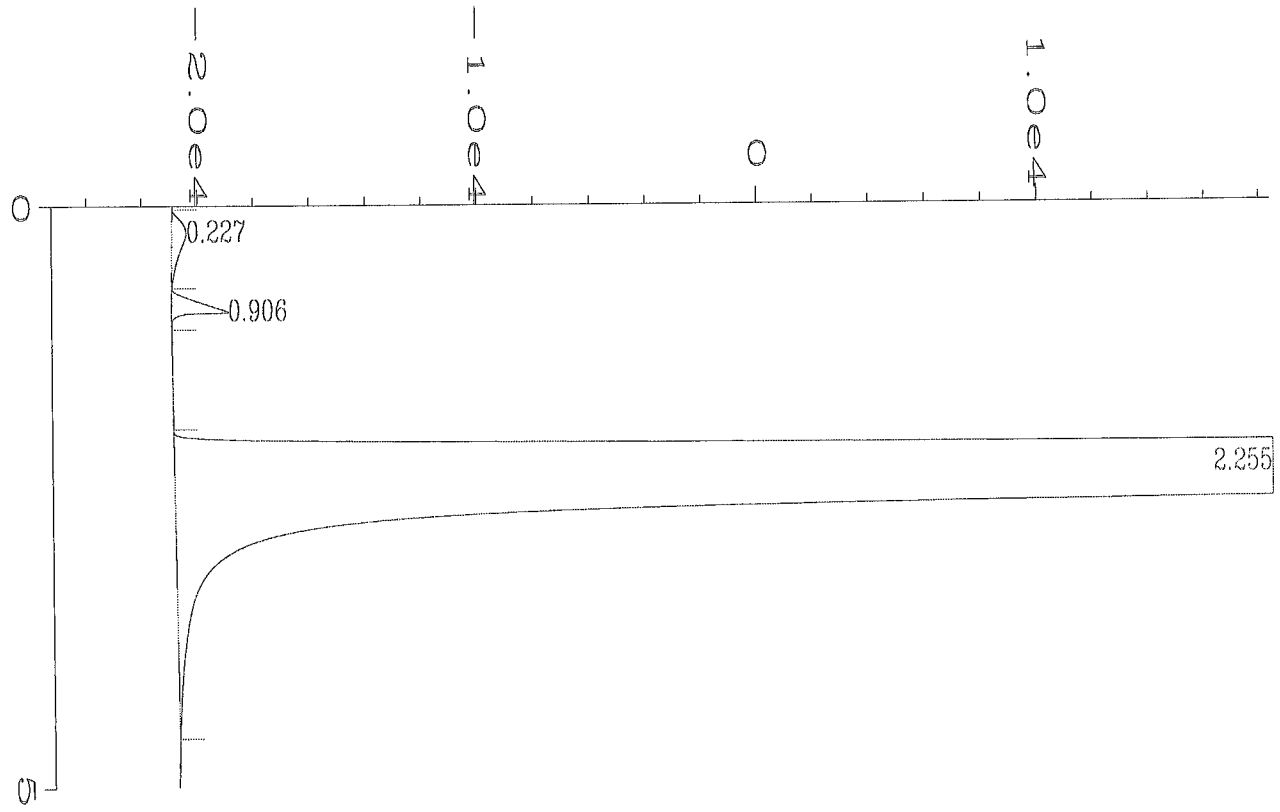
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	5950.44	5,950.44	3,901.93	3,901.93	3,901.93	0.50	0.69	2.08	0.69	2.08	0.45	1.36	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614422A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-208
Run Time Bar Code:
Acquired on : 01 Sep 26 03:28 PM
Report Created on: 02 Sep 26 04:48 PM
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614422A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.227	9811	502	BV	0.243	0.0214
2	0.906	12389	2037	PB	0.077	0.0270
3	2.255	4.58188E+007	4158055	BB	0.172	99.9516

Total area = 4.5841E+007

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 23

Client ID T-209

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ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Can/Tube#: 856
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 15:37
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	4.46	0.43	1.29	2.93	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	23				
File Name:	2614423A	B		**SF:**	2
Description:	T-209			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	12:02	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:37	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	856				
Can Factor	1.32				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**3.62E+04**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614423A
QCBatch 090126-GCL
Can Factor 1.32
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.32
Gas Constant: 24.4
Decimal Places: 2

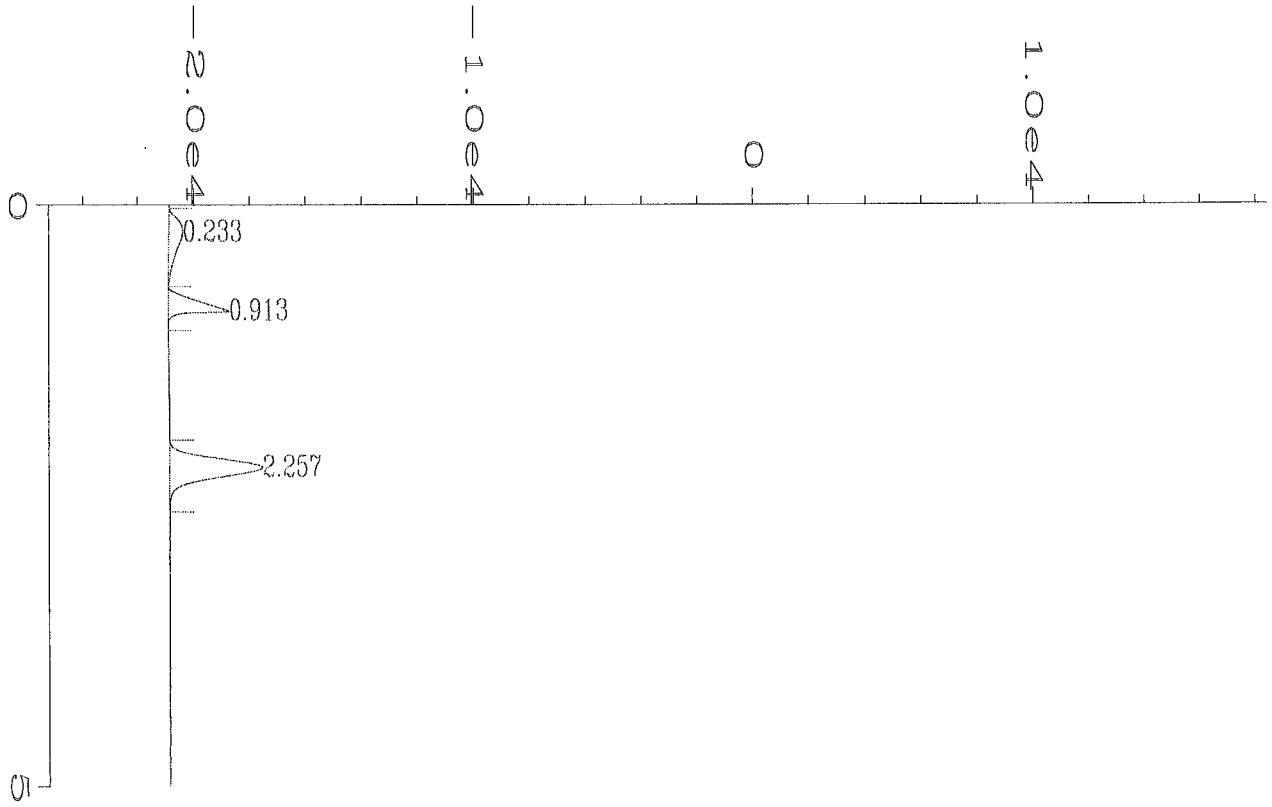
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: **3** L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	4.46	4.46	2.93	2.93	2.93	0.50	0.66	1.97	0.66	1.97	0.43	1.29	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614423A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-209
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:37 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:49 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614423A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.233	9718	497	BV	0.237	16.2767
2	0.913	13826	2175	PB	0.079	23.1572
3	2.257	36161	3327	BB	0.144	60.5661

Total area = 59705

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 24

Client ID T-210

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Can/Tube#: 679
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 15:43
Dilution Factor: 1.39

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	7.72	0.46	1.37	5.06	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	24				
File Name:	2614424A	B		**SF:**	2
Description:	T-210			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	12:14	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:43	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	679				
Can Factor	1.39				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**5.90E+04**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

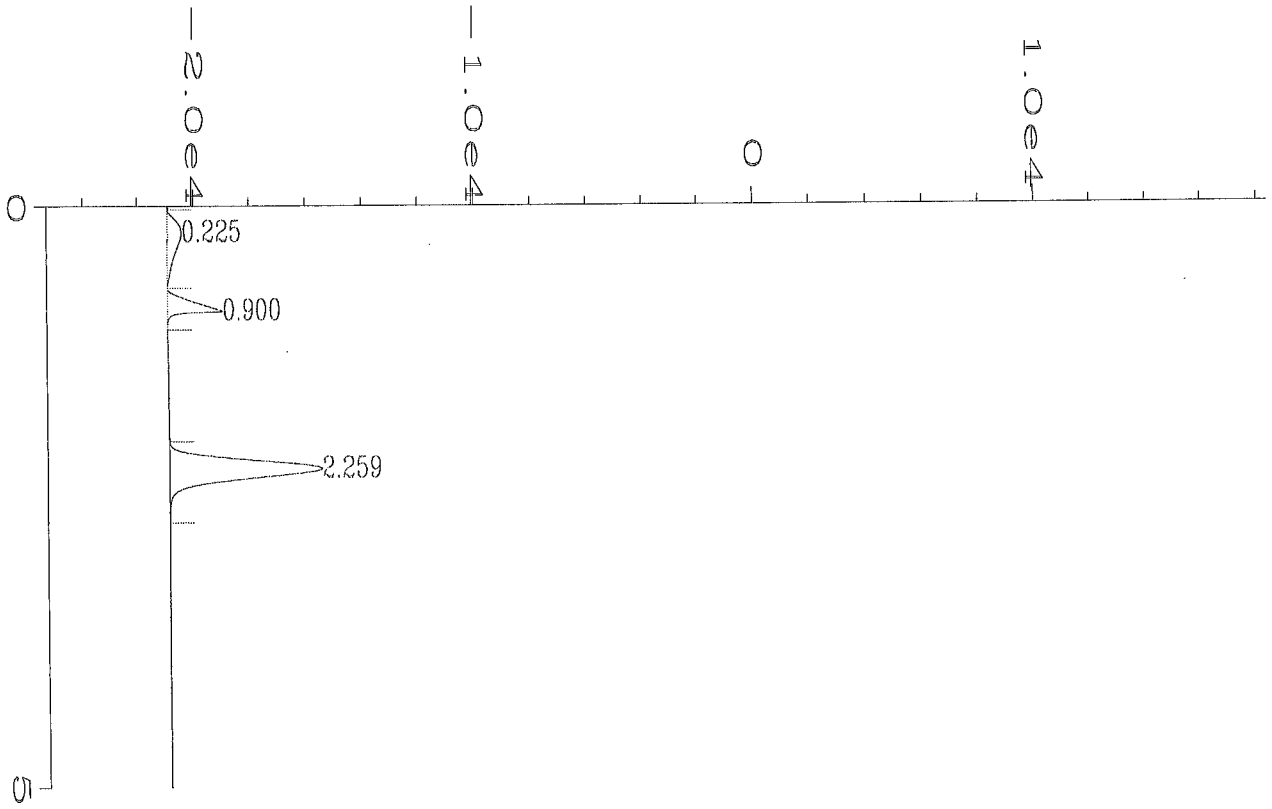
File Name: 2614424A
QCBatch 090126-GCL
Can Factor 1.39
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.39
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	7.72	7.72	5.06	5.06	5.06	0.50	0.70	2.09	0.70	2.09	0.46	1.37	

EPA Qual	Det Rpt Qual	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614424A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-210
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:43 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:49 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614424A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.225	9993	502	BV	0.245	12.4051
2	0.900	11579	1958	PB	0.077	14.3735
3	2.259	58984	5464	BB	0.160	73.2214

Total area = 80555

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 25

Client ID T-211

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Can/Tube#: 762
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 09/01/26 **Time:** 15:50
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	4.34	0.47	1.42	2.84	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	25				
File Name:	2614425A	B		**SF:**	2
Description:	T-211			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	12:10	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:50	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	762				
Can Factor	1.45				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**3.20E+04**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614425A
QCBatch 090126-GCL
Can Factor 1.45
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.45
Gas Constant: 24.4
Decimal Places: 2

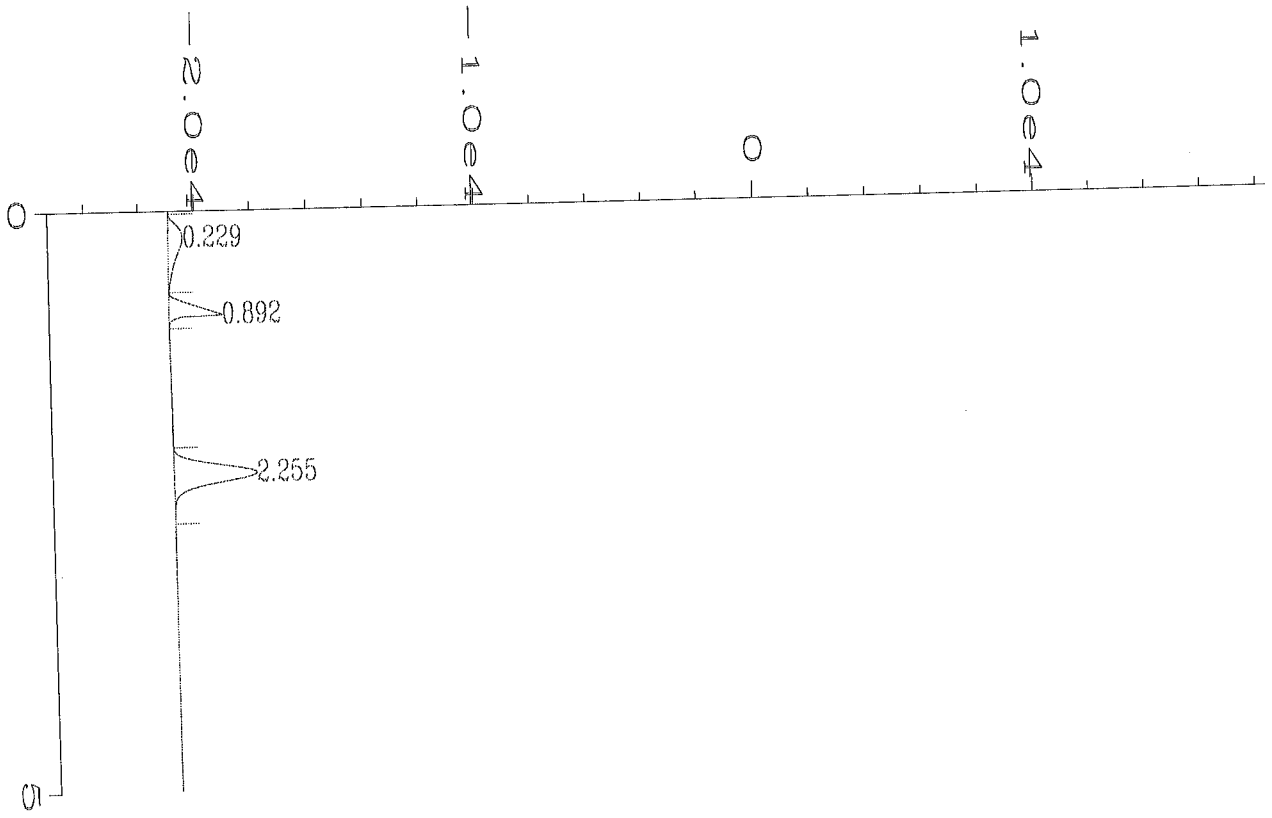
SDG: **226144**

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	4.34	4.34	2.84	2.84	2.84	0.50	0.72	2.17	0.72	2.17	0.47	1.42	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614425A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-211
Run Time Bar Code:
Acquired on : 01 Sep 26 03:50 PM
Report Created on: 02 Sep 26 04:50 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614425A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.229	9810	497	BV	0.242	18.5668
2	0.892	11047	1909	PB	0.075	20.9090
3	2.255	31978	2972	BB	0.154	60.5242

Total area = 52835

Sample Data Packages

SDG Number 226144

Lab Id Number 26

Client ID T-212

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Can/Tube#: 710
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 09/01/26 **Time:** 15:55
Dilution Factor: 1.45

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	2,757.90	0.47	1.42	1,808.46	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	26				
File Name:	2614426A	B		**SF:**	2
Description:	T-212			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	12:15	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	15:55	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	710				
Can Factor	1.45				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.03E+07**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

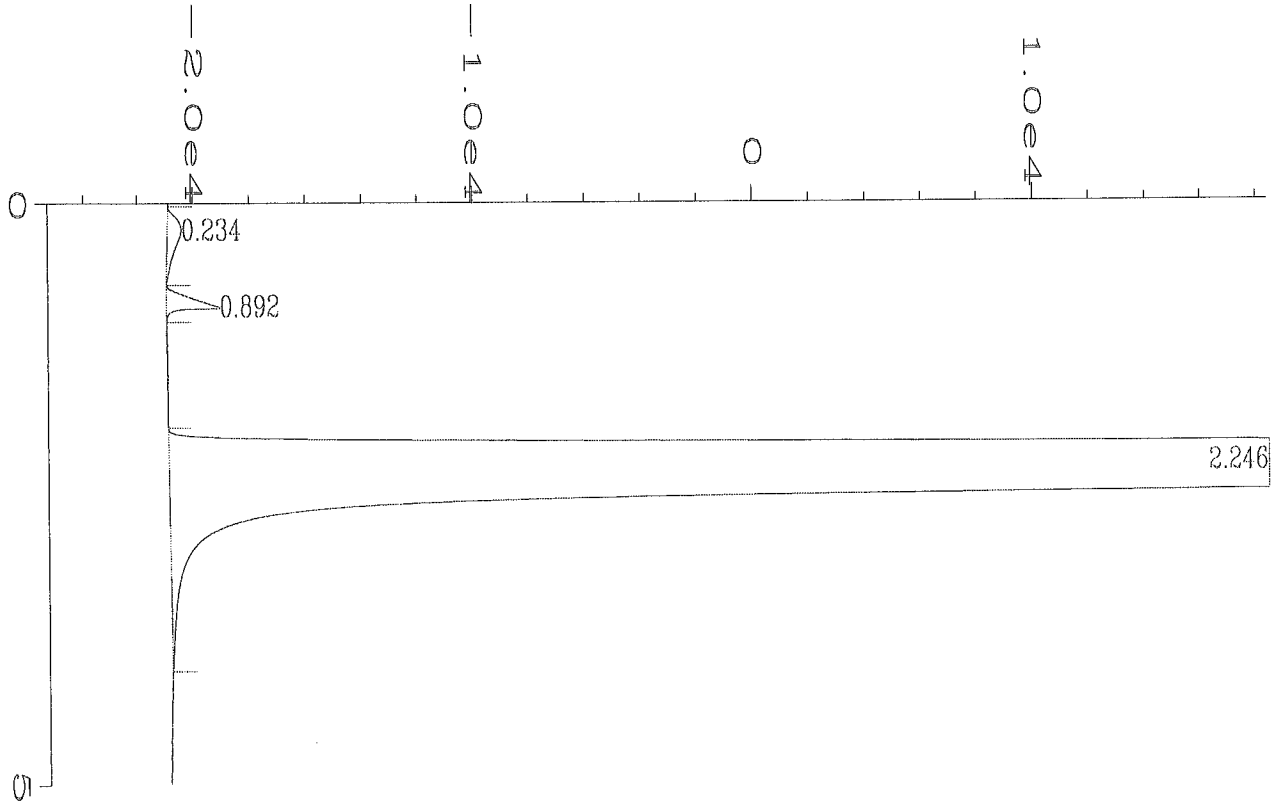
File Name: 2614426A
QCBatch 090126-GCL
Can Factor 1.45
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.45
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	2757.90	2,757.90	1,808.46	1,808.46	1,808.46	0.50	0.72	2.17	0.72	2.17	0.47	1.42	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614426A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-212
Run Time Bar Code:
Acquired on : 01 Sep 26 03:55 PM
Report Created on: 02 Sep 26 04:50 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614426A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.234	9655	499	BV	0.241	0.0475
2	0.892	11216	1918	PV	0.076	0.0552
3	2.246	2.03111E+007	1859804	BB	0.170	99.8973

Total area = 2.03319E+007

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 27

Client ID T-213

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 27

File Name: 2614427A
Description: T-213
Can/Tube#: 655
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 09/01/26 **Time:** 16:01
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2,879.13	0.43	1.29	1,887.95	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	27				
File Name:	2614427A	B		**SF:**	2
Description:	T-213			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	12:19	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	16:01	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	655				
Can Factor	1.31				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.35E+07**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614427A
QCBatch 090126-GCL
Can Factor 1.31
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.31
Gas Constant: 24.4
Decimal Places: 2

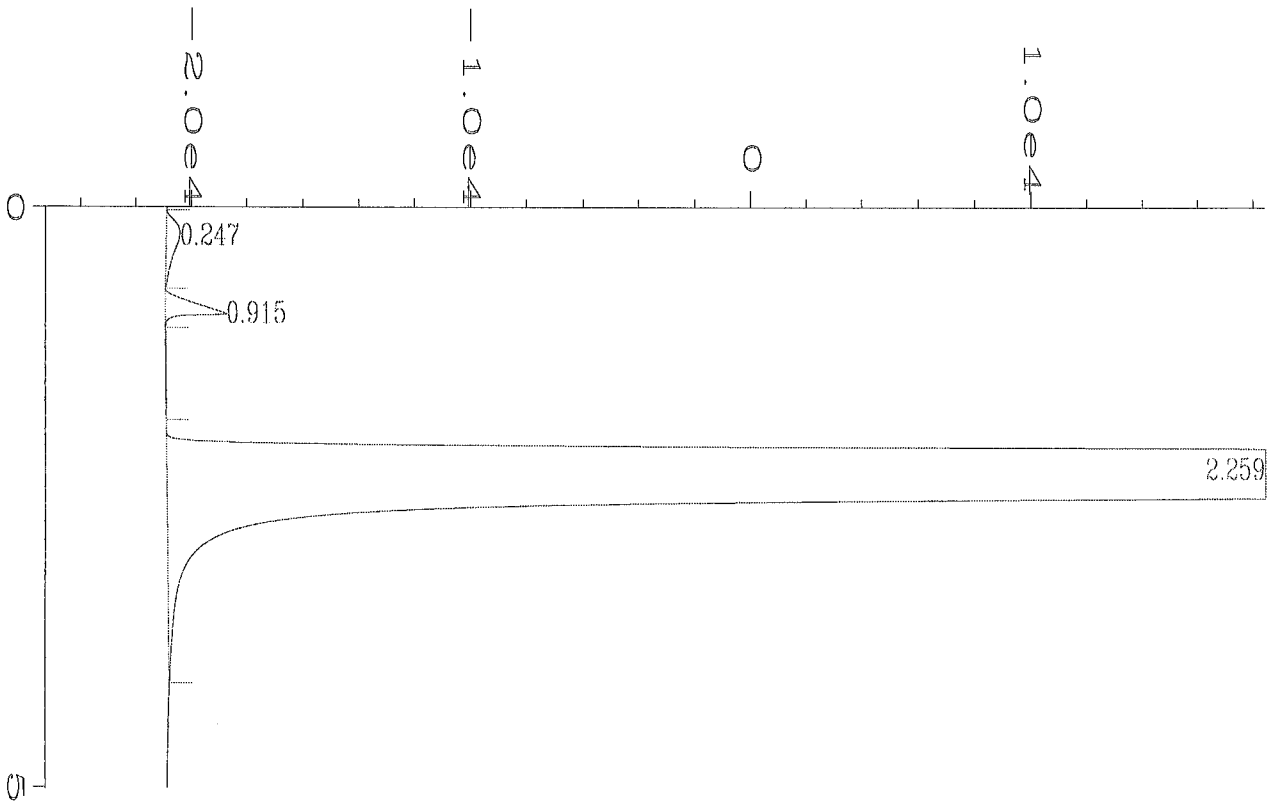
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	2879.13	2,879.13	1,887.95	1,887.95	1,887.95	0.50	0.65	1.96	0.65	1.96	0.43	1.29	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614427A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-213
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 04:01 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:50 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614427A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.247	9882	503	BV	0.242	0.0420
2	0.915	14143	2239	PB	0.079	0.0602
3	2.259	2.34777E+007	2152135	BB	0.170	99.8978

Total area = 2.35017E+007

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 28

Client ID T-214

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Can/Tube#: 692
QC_Batch: 090126-GCL

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 09/01/26 **Time:** 16:16
Dilution Factor: 1.26

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.89	1.13	0.41	1.24	0.74	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	28				
File Name:	2614428A	B		**SF:**	2
Description:	T-214			**Not Detected Flag:**	ND
Date Sampled:	07/21/26	**Time:**	12:38	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	16:16	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	692				
Can Factor	1.26				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**9.56E+03**

For Data Package Print QUANT, REPORT, CALC

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ASTM D3416 Methane by GC/FID

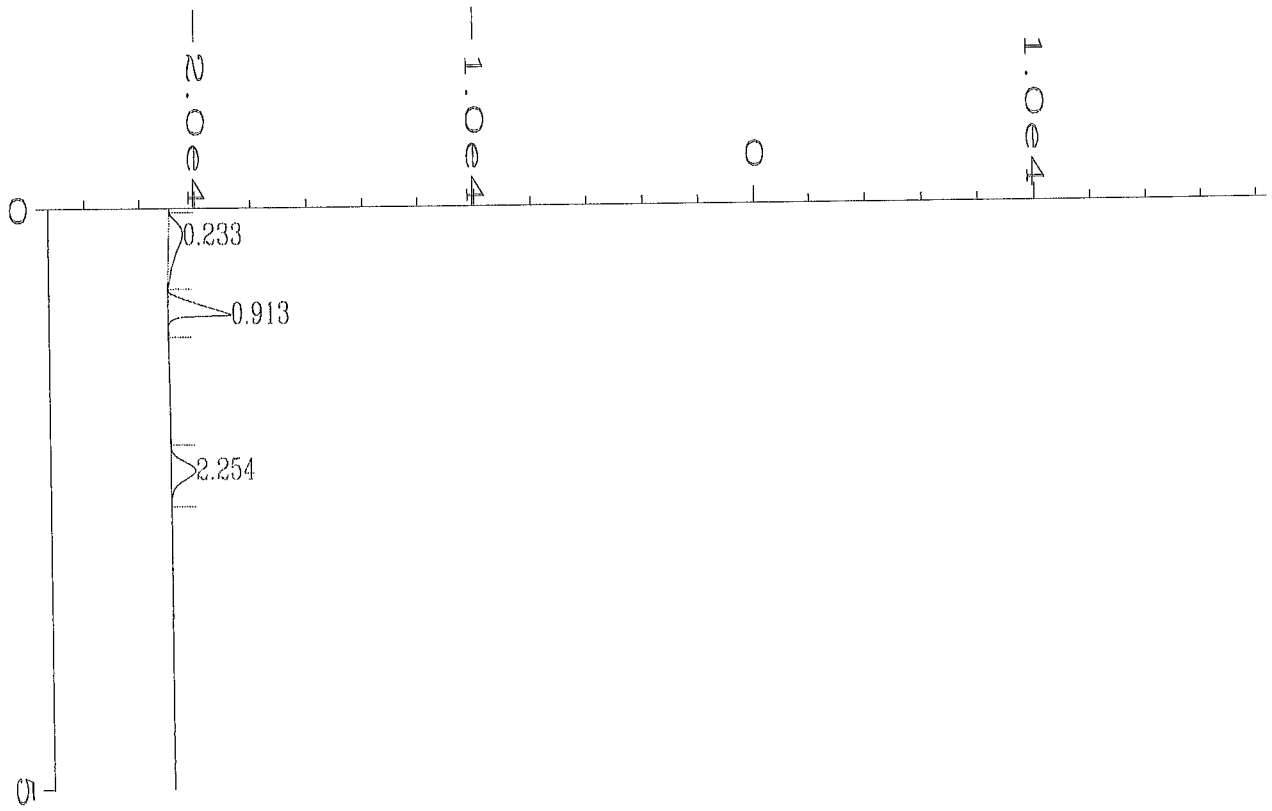
File Name: 2614428A
QCBatch 090126-GCL
Can Factor 1.26
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.26
Gas Constant: 24.4
Decimal Places: 2

SDG: 226144

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1.13	1.13	0.74	0.74	0.74	0.50	0.63	1.89	0.63	1.89	0.41	1.24	J

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614428A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-214
Run Time Bar Code:
Acquired on : 01 Sep 26 04:16 PM
Report Created on: 02 Sep 26 04:50 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614428A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.233	9424	493	BV	0.234	27.9036
2	0.913	14794	2242	PB	0.083	43.8008
3	2.254	9557	880	BB	0.144	28.2956

Total area = 33775

Sample Data Packages

SDG Number 226144

Lab Id Number 29

Client ID T-301

Analytical Method ASTM D3416

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Can/Tube#: 659
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:22
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	ND	0.45	1.36	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	29				
File Name:	2614429A	B		**SF:**	2
Description:	T-301			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	8:23	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	16:22	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	659				
Can Factor	1.38				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.17E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614429A
QCBatch 090126-GCL
Can Factor 1.38
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.38
Gas Constant: 24.4
Decimal Places: 2

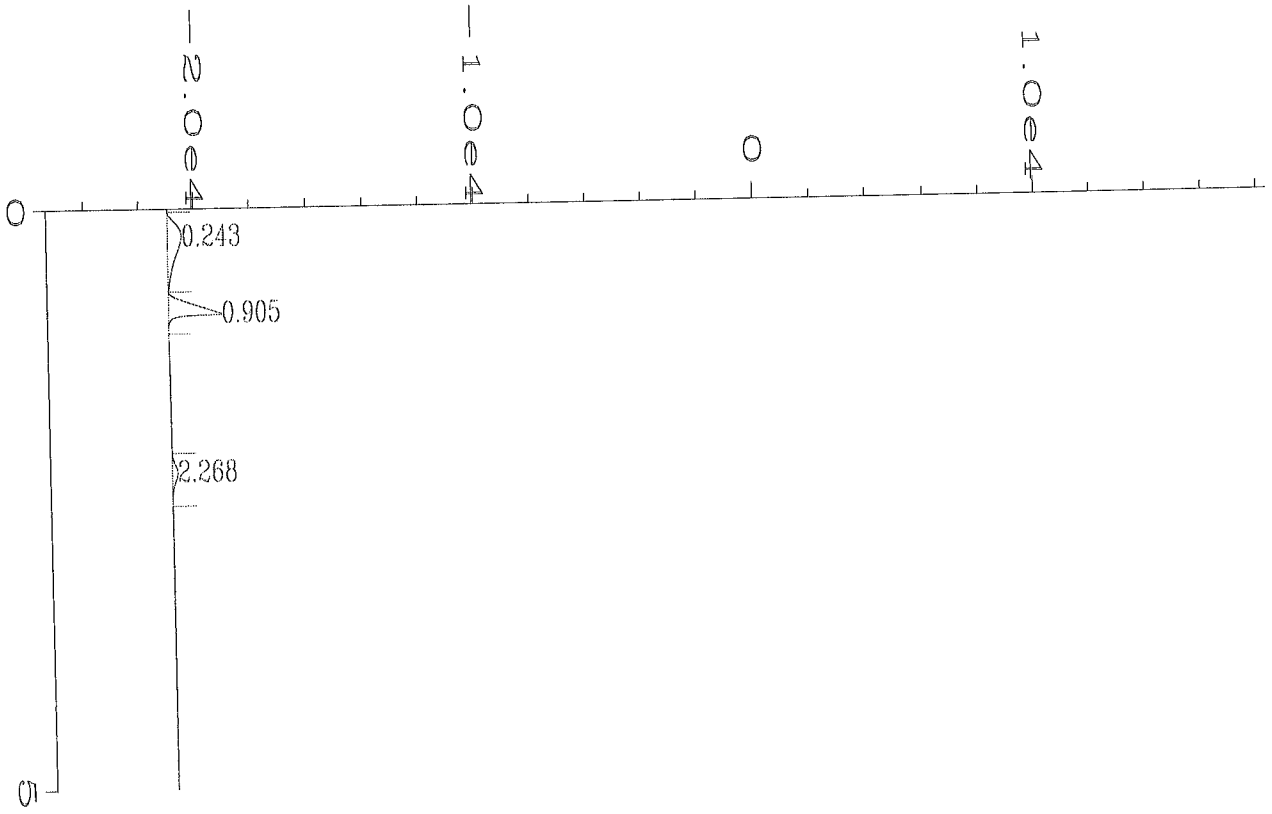
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.28	ND	ND	0		0.50	0.69	2.08	0.69	2.08	0.45	1.36	U

EPA Qual	Det Qual	Rpt
	ND	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614429A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-301
Run Time Bar Code:
Acquired on : 01 Sep 26 04:22 PM
Report Created on: 02 Sep 26 04:50 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614429A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.243	10284	507	BV	0.241	43.0431
2	0.905	11440	1939	VB	0.076	47.8828
3	2.268	2168	205	BB	0.136	9.0741

Total area = 23892

Sample Data Packages

SDG Number 226144

Lab Id Number 30

Client ID T-302

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 30

File Name: 2614430A
Description: T-302
Can/Tube#: 897
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:28
Date Analyzed: 09/01/26 **Time:** 16:29
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	ND	0.49	1.46	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	30				
File Name:	2614430A	B		**SF:**	2
Description:	T-302			Not Detected Flag:	ND
Date Sampled:	07/22/26	**Time:**	8:28	Matrix	AA
Date Received:	07/24/26	**Time:**	16:10	Type	TRG
Date Analyzed:	09/01/26	**Time:**	16:29	Instrument	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	897				
Can Factor	1.48				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.41E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

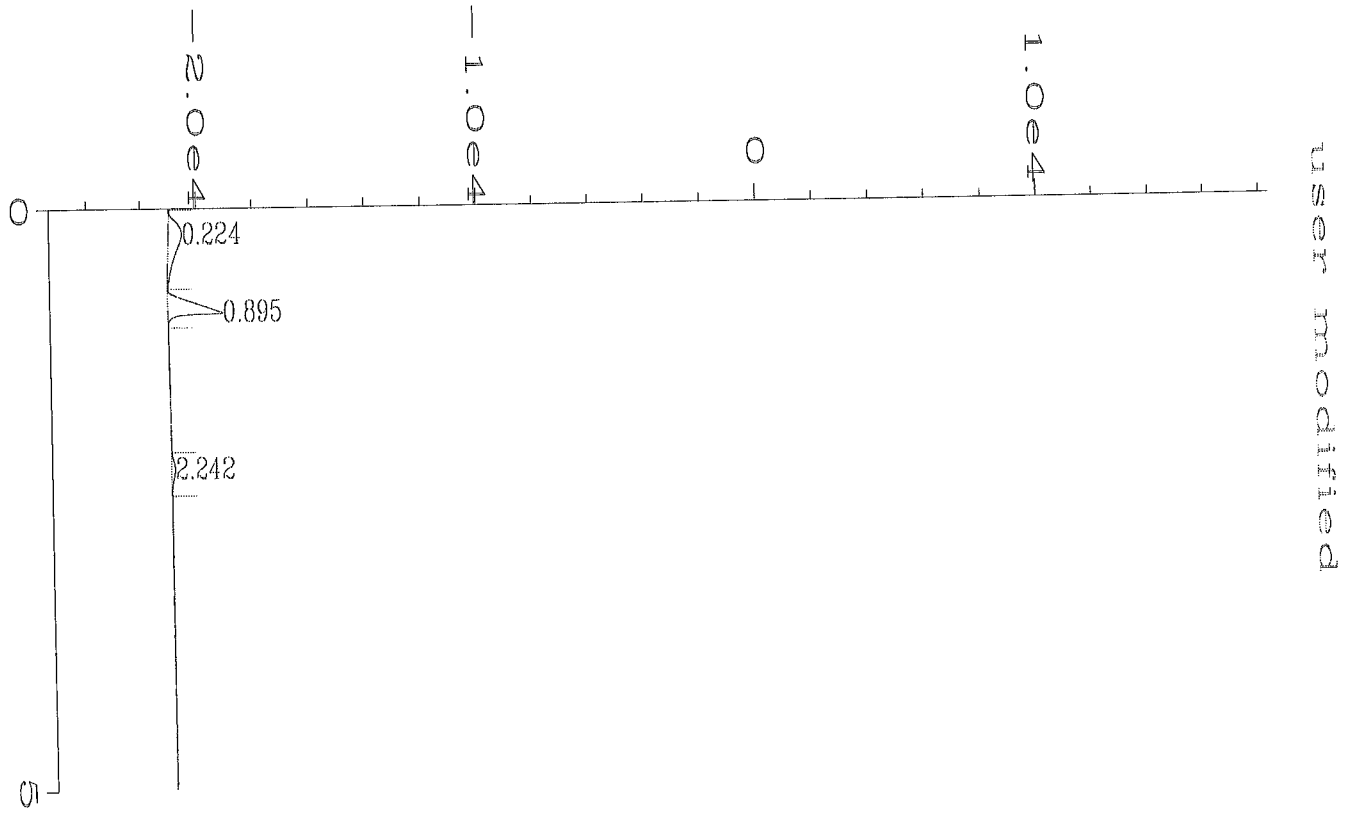
File Name: 2614430A
QCBatch 090126-GCL
Can Factor 1.48
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.48
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.20	ND	ND	0		0.50	0.74	2.22	0.74	2.22	0.49	1.46	U

EPA Qual	Det Qual	Rpt
	ND	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614430A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-302
Run Time Bar Code:
Acquired on : 01 Sep 26 04:29 PM
Report Created on: 02 Sep 26 04:50 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614430A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.224	8915	472	BV	0.238	39.3291
2	0.895	12343	1993	PB	0.080	54.4482
3	2.242	1411	129	MM	0.182	6.2228

Total area = 22669

User Modified

Sample Data Packages

SDG Number 226144

Lab Id Number 31

Client ID T-303

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Can/Tube#: 754
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:34
Dilution Factor: 1.30

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.95	ND	0.43	1.28	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	31				
File Name:	2614431A	B		**SF:**	2
Description:	T-303			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	8:23	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	16:34	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	754				
Can Factor	1.30				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.04E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614431A
QCBatch 090126-GCL
Can Factor 1.30
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.30
Gas Constant: 24.4
Decimal Places: 2

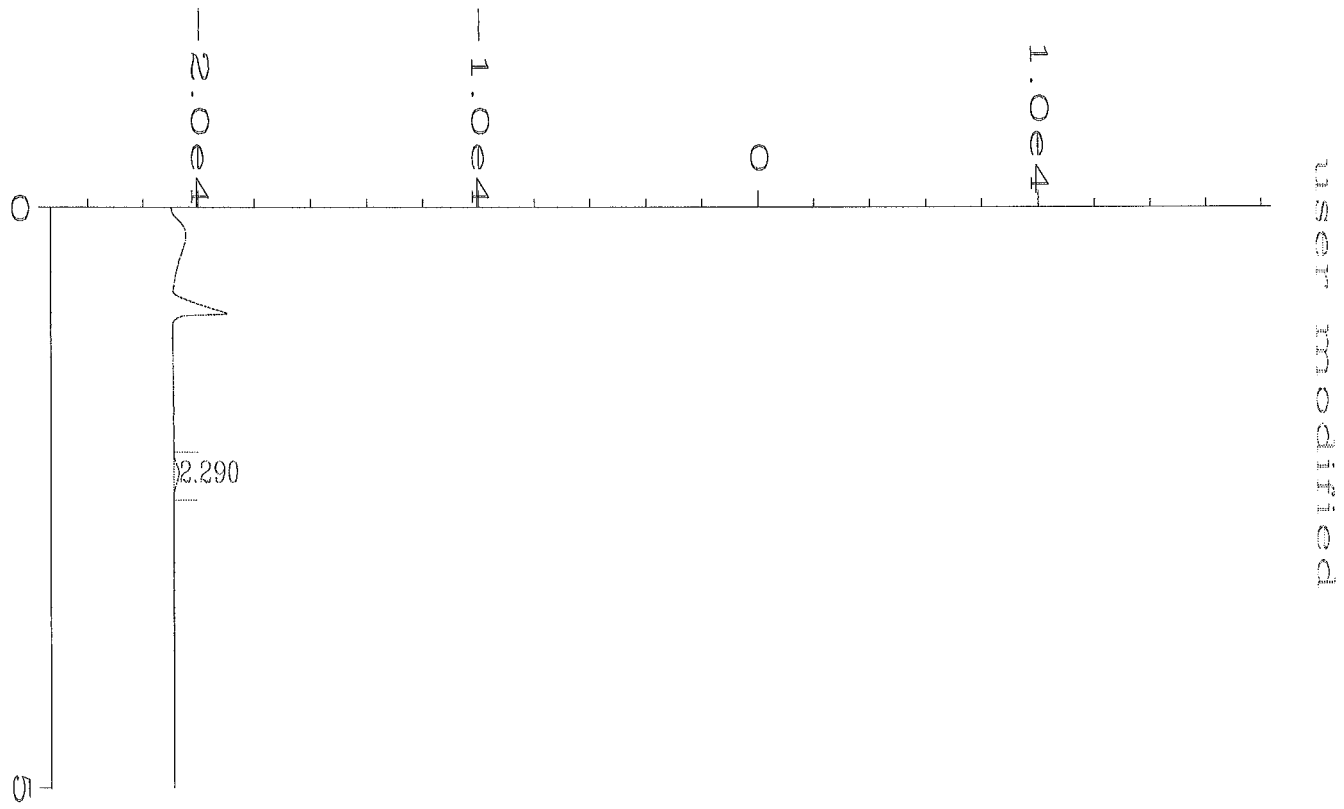
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.25	ND	ND	0		0.50	0.65	1.95	0.65	1.95	0.43	1.28	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614431A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-303
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 04:34 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:51 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614431A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.290	2036	192	MM	0.177	100.0000

Total area = 2036

User Modified

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Sample Data Packages

SDG Number **226144**

Lab Id Number **32**

Client ID T-304

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Can/Tube#: 745
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 09/01/26 **Time:** 16:40
Dilution Factor: 1.28

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.92	0.97	0.42	1.26	0.63	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	32				
File Name:	2614432A	B		**SF:**	2
Description:	T-304			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	8:25	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	16:40	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	745				
Can Factor	1.28				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**8.03E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614432A
QCBatch 090126-GCL
Can Factor 1.28
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.28
Gas Constant: 24.4
Decimal Places: 2

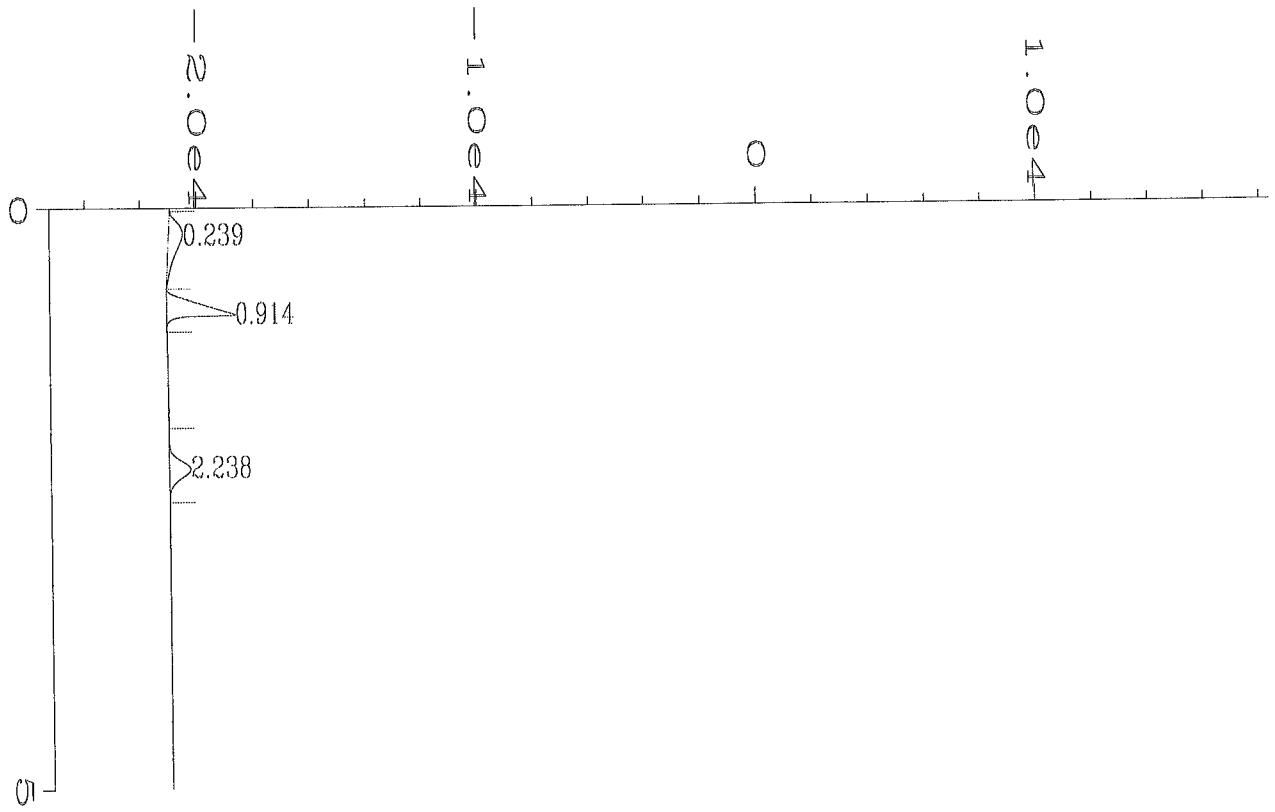
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.97	0.97	0.63	0.63	0.63	0.50	0.64	1.92	0.64	1.92	0.42	1.26	J

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614432A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-304
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 04:40 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:51 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614432A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.239	9171	499	BV	0.229	27.6764
2	0.914	15937	2383	PB	0.086	48.0919
3	2.238	8030	738	BB	0.137	24.2317

Total area = 33138

Sample Data Packages

SDG Number 226144

Lab Id Number 33

Client ID T-305

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 33

File Name: 2614433A
Description: T-305
Can/Tube#: 741
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 16:46
Dilution Factor: 1.30

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2.66	0.43	1.28	1.75	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	33				
File Name:	2614433A	B		**SF:**	2
Description:	T-305			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	9:58	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	16:46	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	741				
Can Factor	1.30				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.18E+04**

For Data Package Print QUANT, REPORT, CALC

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ASTM D3416 Methane by GC/FID

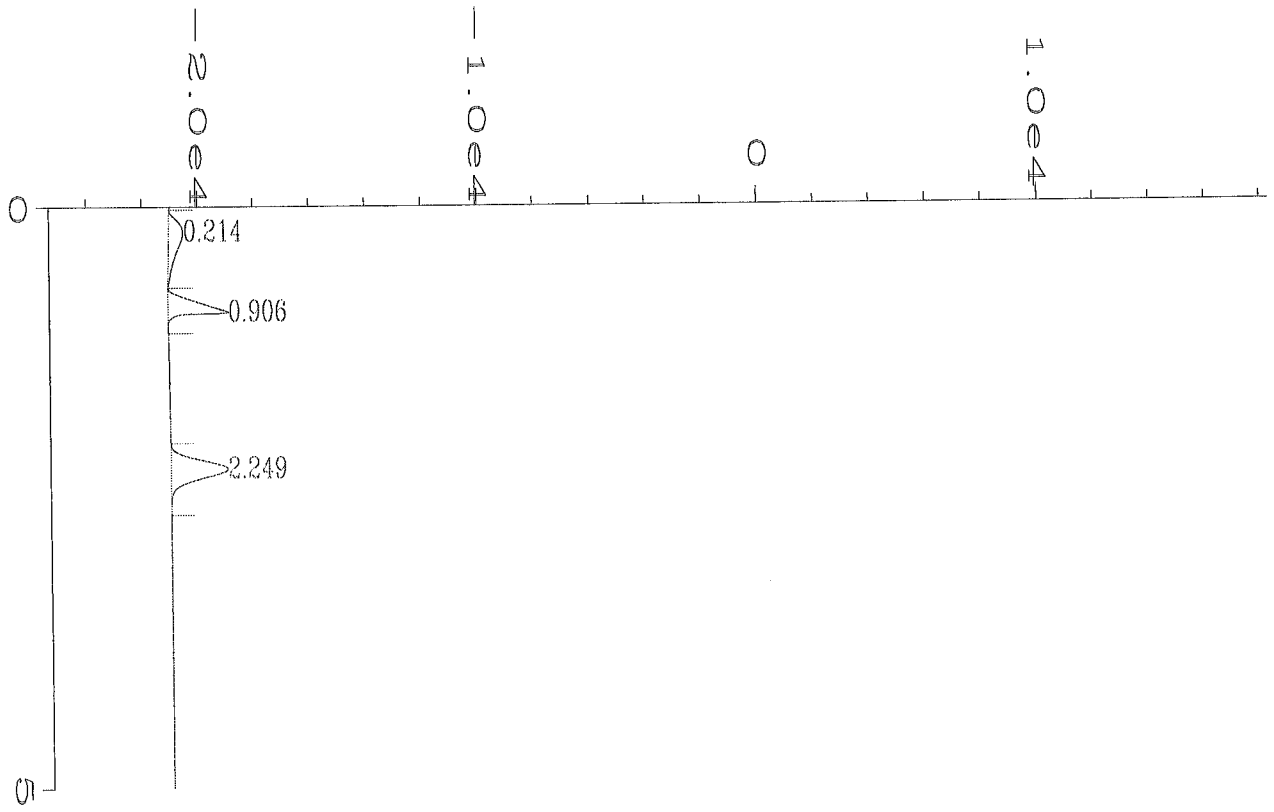
File Name: 2614433A
QCBatch 090126-GCL
Can Factor 1.30
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.30
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	2.66	2.66	1.75	1.75	1.75	0.50	0.65	1.96	0.65	1.96	0.43	1.28	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614433A.D
Operator : DA
Instrument : ANALYZER1
Sample Name : T-305
Run Time Bar Code:
Acquired on : 01 Sep 26 04:46 PM
Report Created on: 02 Sep 26 04:51 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614433A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.214	9661	493	BV	0.243	21.4060
2	0.906	13716	2167	PB	0.082	30.3920
3	2.249	21754	2019	BB	0.156	48.2020

Total area = 45131

Sample Data Packages

SDG Number **226144**

Lab Id Number **34**

Client ID T-306

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 34

File Name:	2614434A	**Date Sampled:**	07/22/26	**Time:**	10:01
Description:	T-306	**Date Analyzed:**	09/01/26	**Time:**	16:51
Can/Tube#:	708	**Dilution Factor:**	1.41		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	732.39	0.46	1.39	480.26	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	34				
File Name:	2614434A	B		**SF:**	2
Description:	T-306			Not Detected Flag:	ND
Date Sampled:	07/22/26	**Time:**	10:01	Matrix	AA
Date Received:	07/24/26	**Time:**	16:10	Type	TRG
Date Analyzed:	09/01/26	**Time:**	16:51	Instrument	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	708				
Can Factor	1.41				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**5.54E+06**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

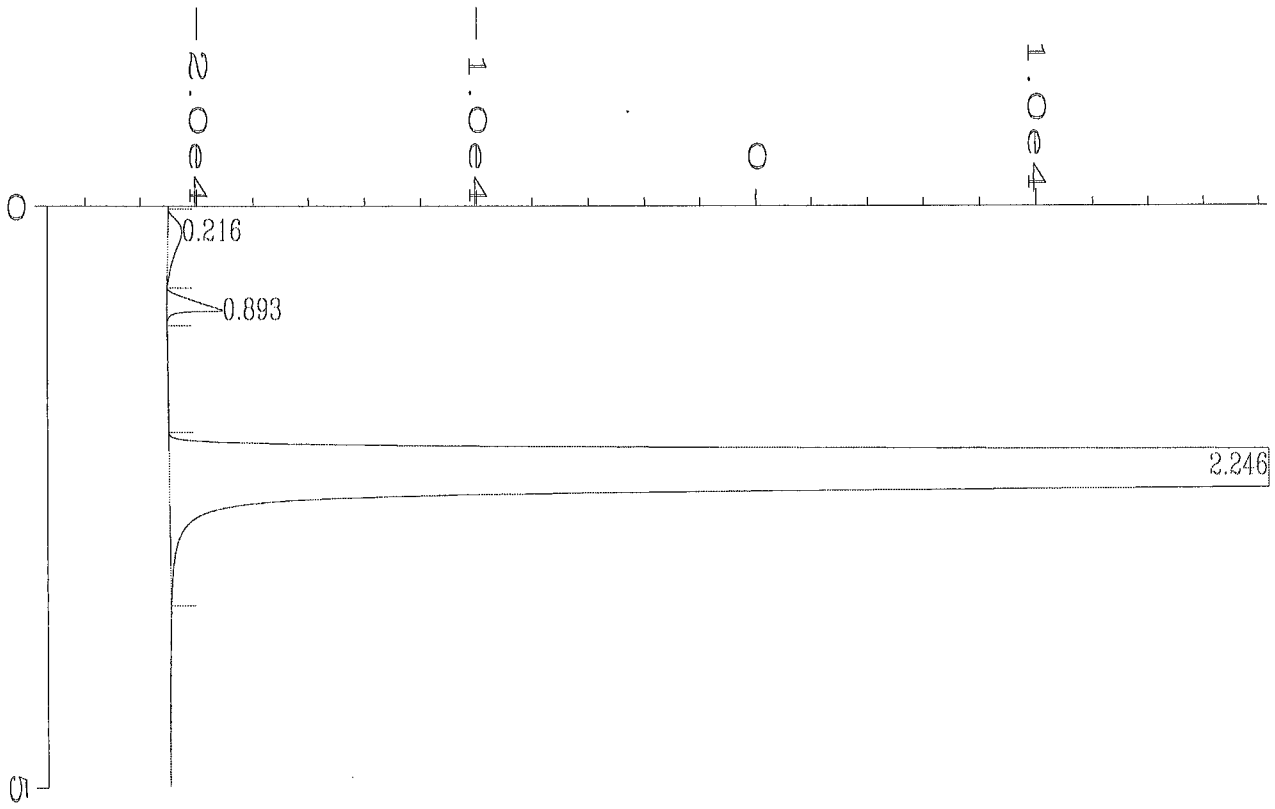
File Name: 2614434A
QCBatch 090126-GCL
Can Factor 1.41
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.41
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	732.39	732.39	480.26	480.26	480.26	0.50	0.71	2.12	0.71	2.12	0.46	1.39	

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614434A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-306
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 04:51 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:52 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614434A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.216	9425	489	BV	0.240	0.1696
2	0.893	11758	1954	PB	0.081	0.2116
3	2.246	5535935	509023	BB	0.169	99.6188

Total area = 5557118

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Sample Data Packages

SDG Number **226144**

Lab Id Number **35**

Client ID T-307

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Can/Tube#: 698
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 9:41
Dilution Factor: 1.40

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	1,383.89	0.46	1.37	907.47	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	35				
File Name:	2614435A	B		**SF:**	2
Description:	T-307			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	10:01	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	9:41	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	698				
Can Factor	1.40				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.06E+07**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

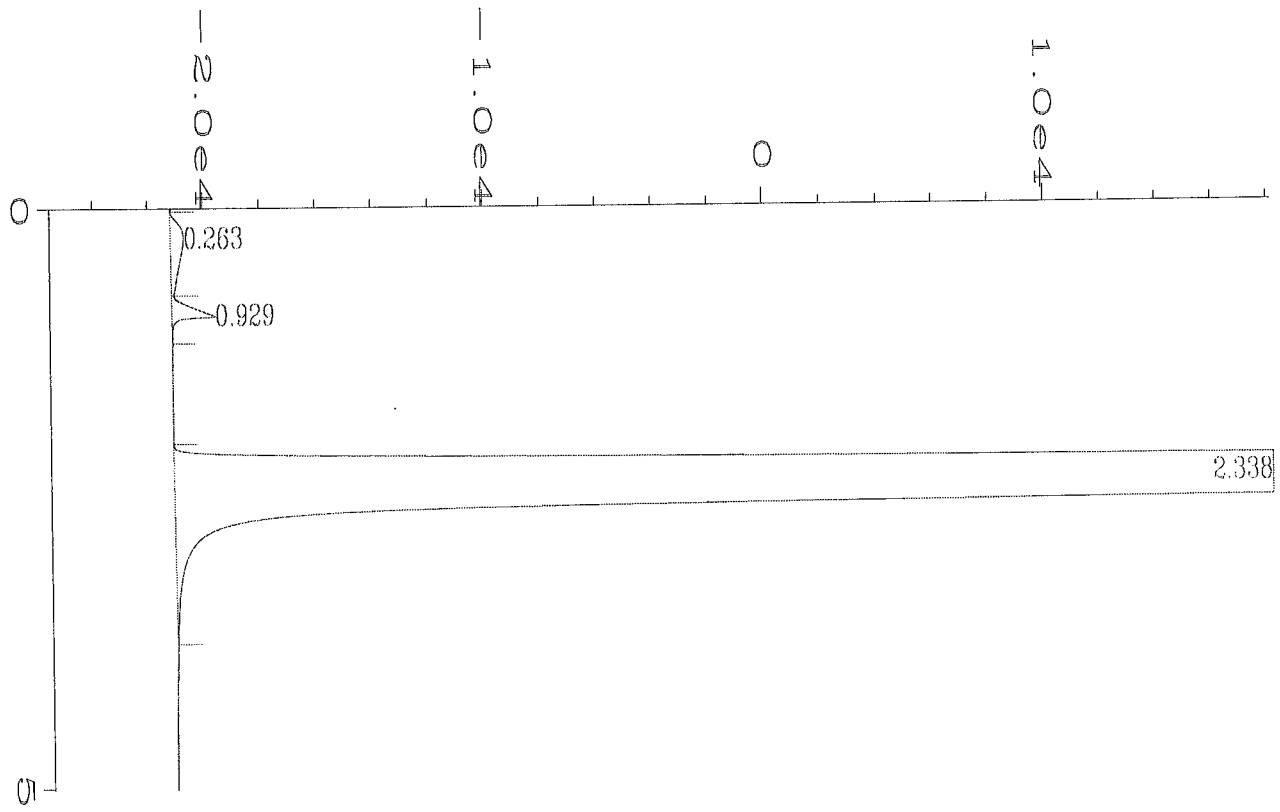
File Name: 2614435A
QCBatch 090126-GCL
Can Factor 1.40
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.40
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1383.89	1,383.89	907.47	907.47	907.47	0.50	0.70	2.09	0.70	2.09	0.46	1.37	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614435B.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-307
Run Time Bar Code:
Acquired on : 01 Sep 26 09:41 PM
Report Created on: 02 Sep 26 04:52 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614435B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.263	12215	463	BV	0.321	0.1154
2	0.929	9245	1576	VB	0.074	0.0873
3	2.338	1.05639E+007	1007471	BB	0.163	99.7973

Total area = 1.05853E+007

Sample Data Packages

SDG Number **226144**

Lab Id Number **36**

Client ID T-308

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 36

File Name:	2614436A	**Date Sampled:**	07/22/26	**Time:**	9:59
Description:	T-308	**Date Analyzed:**	09/01/26	**Time:**	18:24
Can/Tube#:	608	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	21,375.63	0.46	1.38	14,016.81	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	36				
File Name:	2614436A	B		**SF:**	2
Description:	T-308			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	9:59	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	18:24	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	608				
Can Factor	1.40				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.63E+08**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

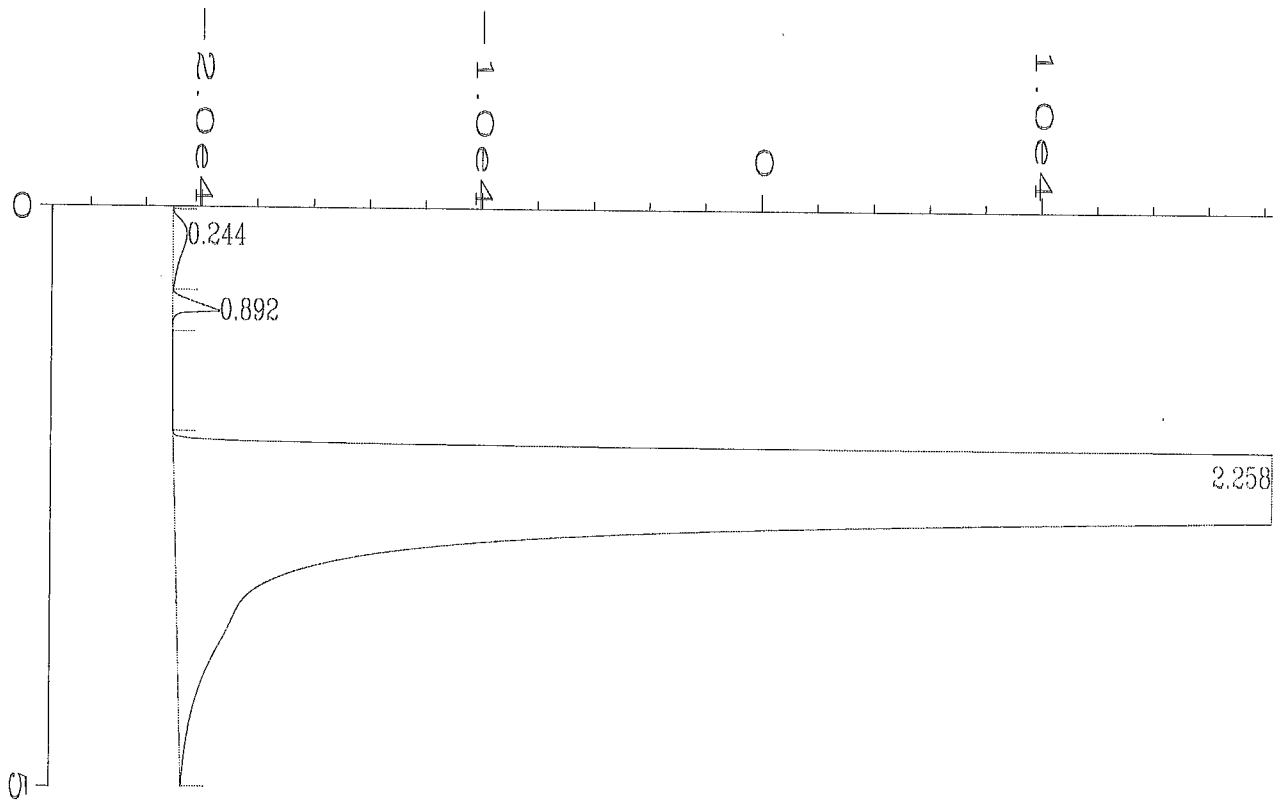
File Name: 2614436A
QCBatch 090126-GCL
Can Factor 1.40
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.40
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	21375.63	21,375.63	14,016.81	14,016.81	14,016.81	0.50	0.70	2.10	0.70	2.10	0.46	1.38	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614435A.D 3C AS 9/27/26
Operator : SW
Instrument : ANALYZER1
Sample Name : T-307
Run Time Bar Code:
Acquired on : 01 Sep 26 06:24 PM
Report Created on: 02 Sep 26 04:52 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614435A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.244	10586	495	BV	0.270	0.0065
2	0.892	9342	1705	VB	0.072	0.0057
3	2.258	1.62643E+008	1.47153E+007	BBA	0.173	99.9877

Total area = 1.62663E+008

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 37

Client ID T-309

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Can/Tube#: 647
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 09/01/26 **Time:** 18:30
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.99	1.02	0.44	1.31	0.67	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	37				
File Name:	2614437A	B		**SF:**	2
Description:	T-309			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	11:17	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	18:30	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	647				
Can Factor	1.33				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**8.21E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

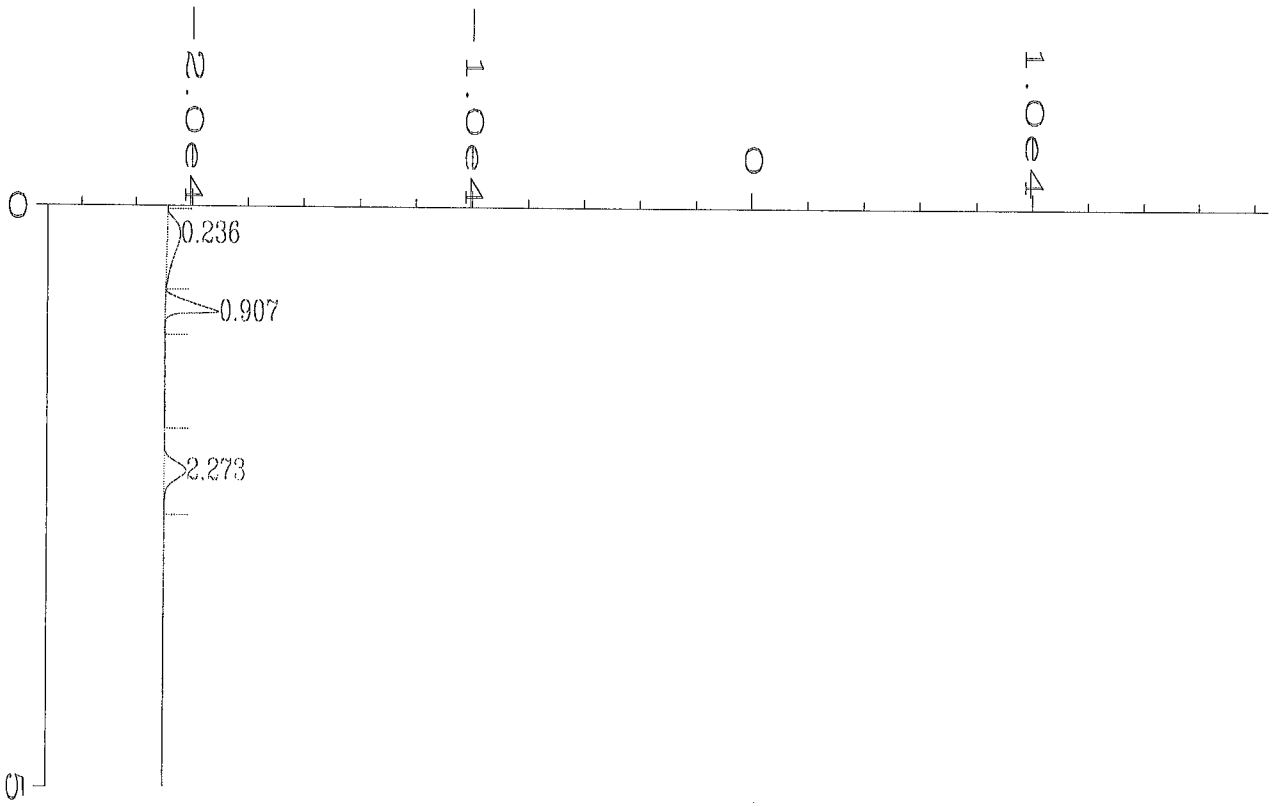
File Name: 2614437A
QCBatch 090126-GCL
Can Factor 1.33
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.33
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1.02	1.02	0.67	0.67	0.67	0.50	0.66	1.99	0.66	1.99	0.44	1.31	J

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614437A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-309
Run Time Bar Code:
Acquired on : 01 Sep 26 06:30 PM
Report Created on: 02 Sep 26 04:53 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614437A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.236	9576	460	BV	0.261	33.2090
2	0.907	11046	1910	PB	0.074	38.3078
3	2.273	8213	770	BB	0.140	28.4831

Total area = 28835

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **38**

Client ID T-310

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Can/Tube#: 654
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 09/01/26 **Time:** 18:36
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.04	ND	0.45	1.34	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	38				
File Name:	2614438A	B		**SF:**	2
Description:	T-310			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	11:22	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	18:36	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	654				
Can Factor	1.36				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.34E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

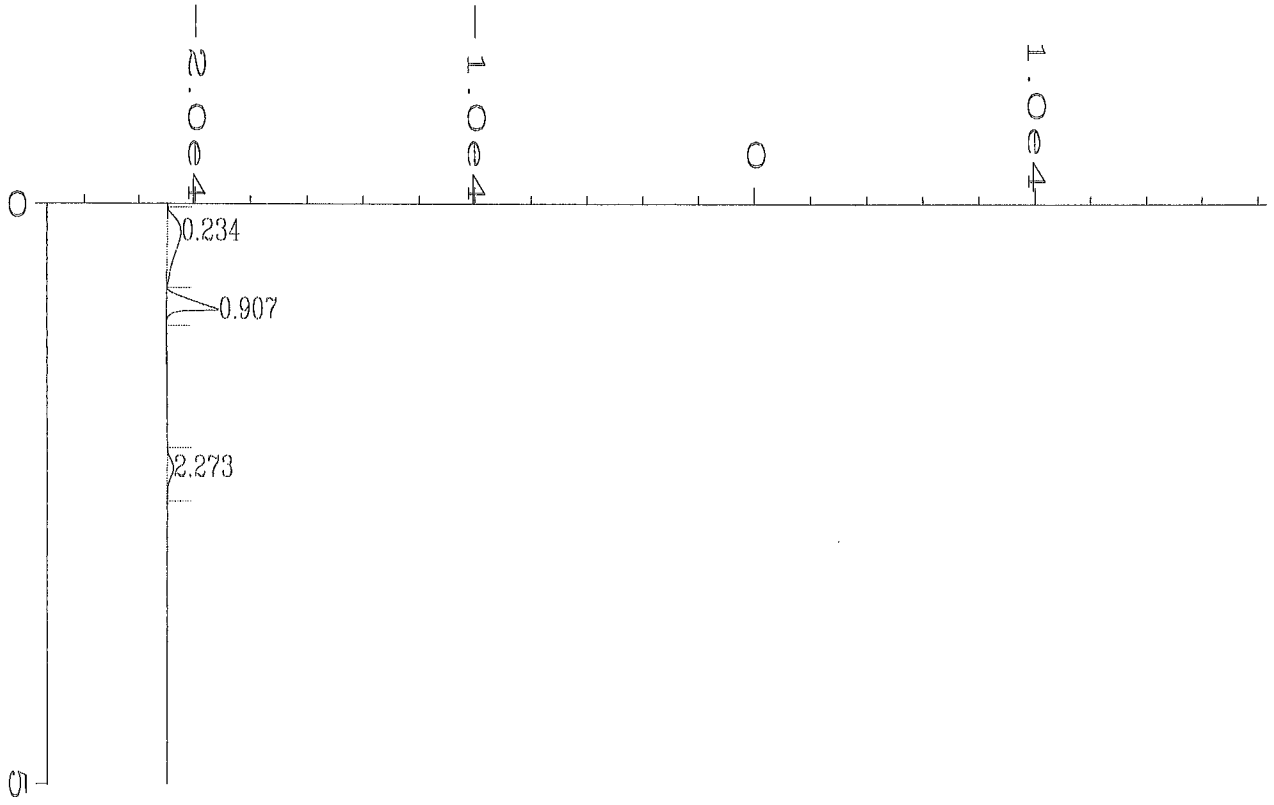
File Name: 2614438A
QCBatch 090126-GCL
Can Factor 1.36
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.36
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.30	ND	ND	0		0.50	0.68	2.04	0.68	2.04	0.45	1.34	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614438A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-310
Run Time Bar Code:
Acquired on : 01 Sep 26 06:36 PM
Report Created on: 02 Sep 26 04:53 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614438A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.234	10317	487	BV	0.259	44.0884
2	0.907	10741	1857	VB	0.079	45.9021
3	2.273	2342	217	BB	0.130	10.0094

Total area = 23400

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **39**

Client ID T-311

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 39

File Name:	2614439A	**Date Sampled:**	07/22/26	**Time:**	11:15
Description:	T-311	**Date Analyzed:**	09/01/26	**Time:**	18:43
Can/Tube#:	605	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.09	ND	0.46	1.37	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	39				
File Name:	2614439A	B		**SF:**	2
Description:	T-311			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	11:15	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	18:43	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	605				
Can Factor	1.40				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.60E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

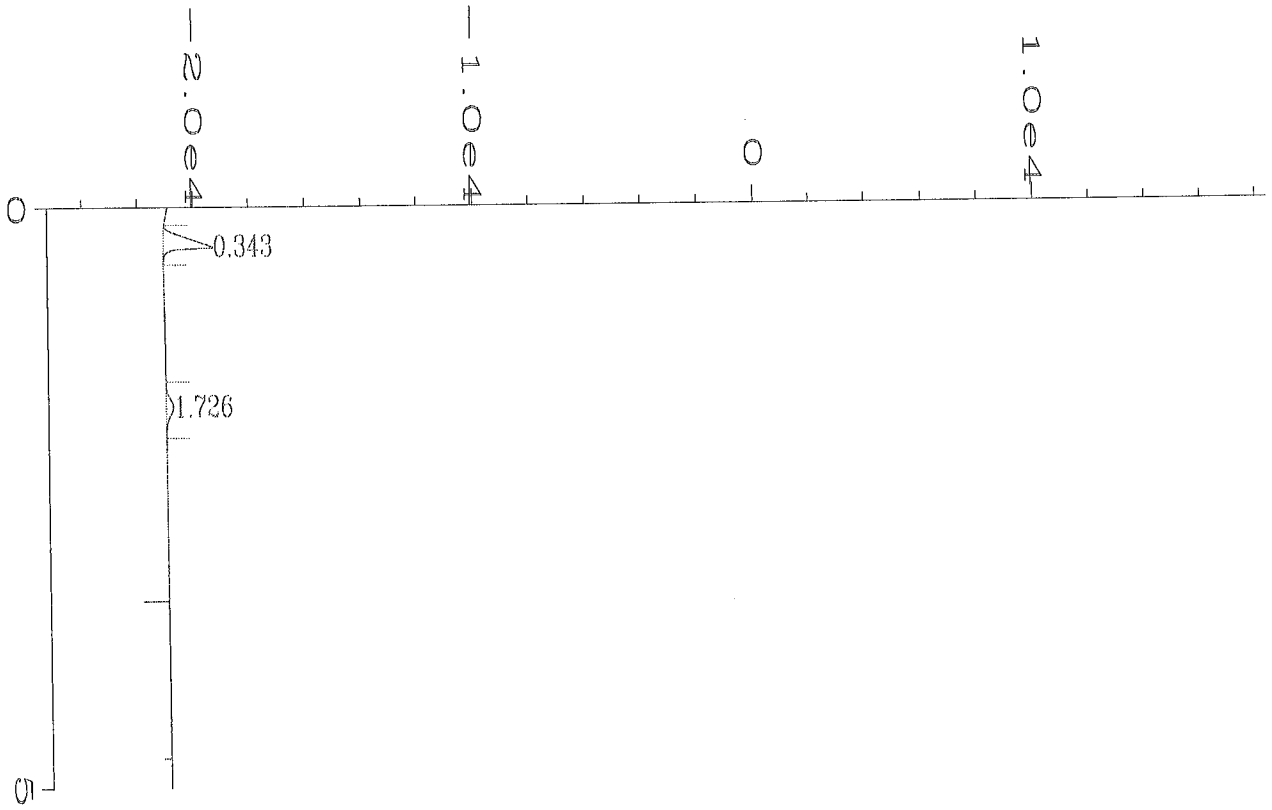
File Name: 2614439A
QCBatch 090126-GCL
Can Factor 1.40
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.40
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.34	ND	ND	0		0.50	0.70	2.09	0.70	2.09	0.46	1.37	U

EPA Qual	Det Qual	Rpt
	ND	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614439A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-311
Run Time Bar Code:
Acquired on : 01 Sep 26 06:43 PM
Report Created on: 02 Sep 26 04:53 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614439A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.343	10210	1803	BV	0.073	79.7256
2	1.726	2596	245	BB	0.137	20.2744

Total area = 12806

Sample Data Packages

SDG Number **226144**

Lab Id Number **40**

Client ID T-312

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Can/Tube#: 730
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 09/01/26 **Time:** 18:49
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.11	ND	0.46	1.38	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	40				
File Name:	2614440A	B		**SF:**	2
Description:	T-312			Not Detected Flag:	ND
Date Sampled:	07/22/26	**Time:**	11:23	Matrix	AA
Date Received:	07/24/26	**Time:**	16:10	Type	TRG
Date Analyzed:	09/01/26	**Time:**	18:49	Instrument	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	730				
Can Factor	1.41				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.35E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

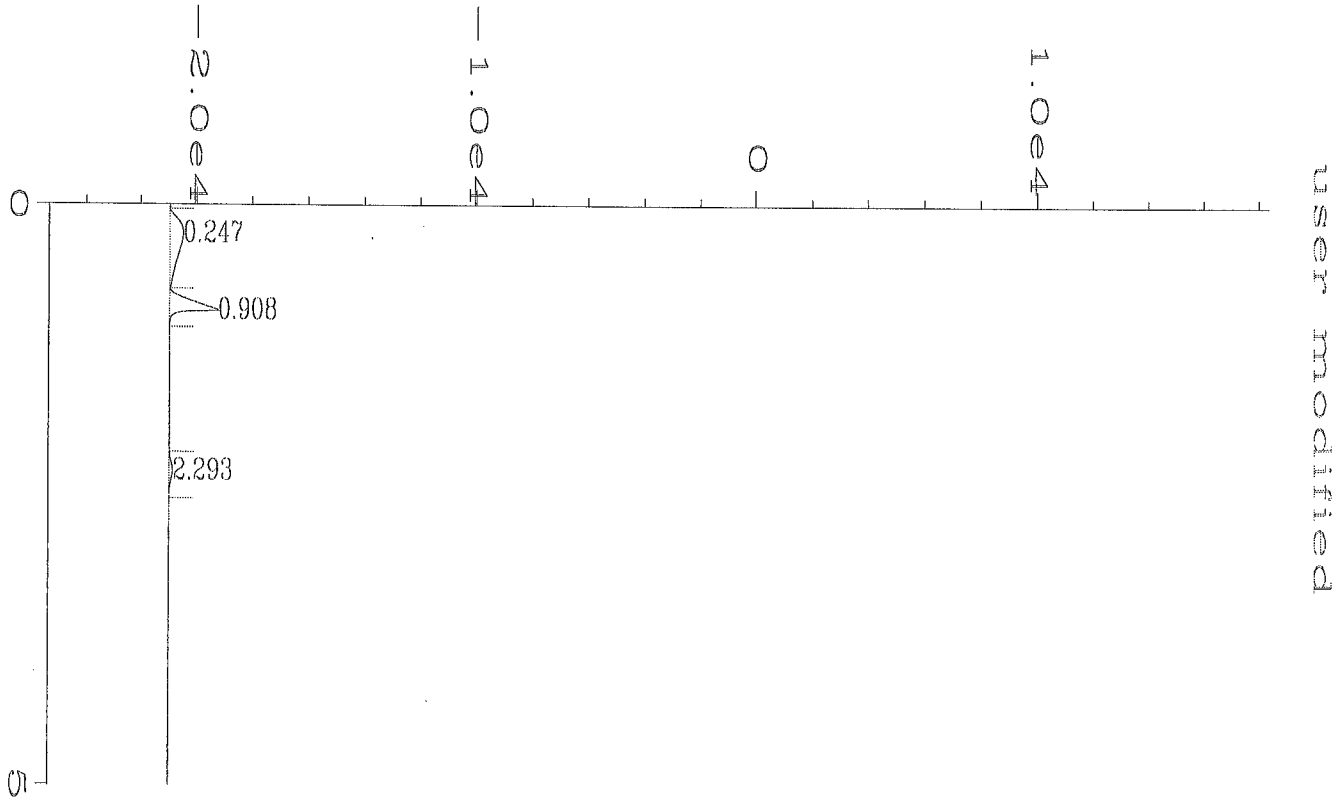
File Name: 2614440A
QCBatch 090126-GCL
Can Factor 1.41
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.41
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.18	ND	ND	0		0.50	0.70	2.11	0.70	2.11	0.46	1.38	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614440A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-312
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 06:49 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:53 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614440A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.247	10950	482	BV	0.287	49.6767
2	0.908	9742	1746	VB	0.074	44.1944
3	2.293	1351	128	MM	0.176	6.1289

Total area = 22043

User Modified

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **41**

Client ID T-313

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 41

File Name:	2614441A	**Date Sampled:**	07/22/26	**Time:**	11:26
Description:	T-313	**Date Analyzed:**	09/01/26	**Time:**	18:55
Can/Tube#:	766	**Dilution Factor:**	1.37		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	ND	0.45	1.34	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	41				
File Name:	2614441A	B		**SF:**	2
Description:	T-313			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	11:26	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	18:55	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	766				
Can Factor	1.37				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.43E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614441A
QCBatch 090126-GCL
Can Factor 1.37
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.37
Gas Constant: 24.4
Decimal Places: 2

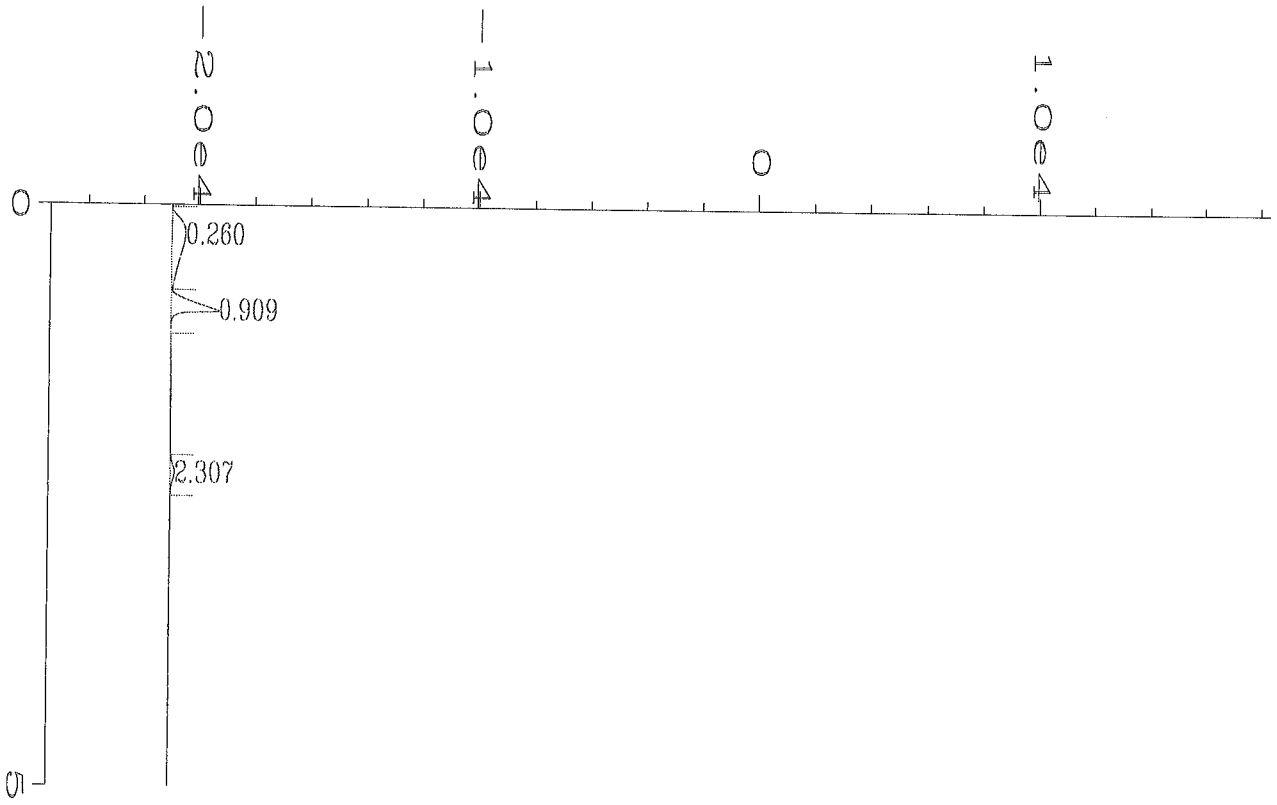
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.18	ND	ND	0		0.50	0.68	2.05	0.68	2.05	0.45	1.34	U

EPA Qual	Det Qual	Rpt
	ND	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614441A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-313
Run Time Bar Code:
Acquired on : 01 Sep 26 06:55 PM
Report Created on: 02 Sep 26 04:53 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614441A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.260	11511	489	BV	0.298	50.9343
2	0.909	9657	1730	VB	0.073	42.7299
3	2.307	1432	144	BB	0.127	6.3358

Total area = 22600

Sample Data Packages

SDG Number **226144**

Lab Id Number **42**

Client ID T-314

Analytical Method ASTM D3416

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Can/Tube#: 662
QC_Batch: 090126-GCL

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 09/01/26 **Time:** 19:00
Dilution Factor: 1.35

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.03	ND	0.44	1.33	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	42				
File Name:	2614442A	B		**SF:**	2
Description:	T-314			**Not Detected Flag:**	ND
Date Sampled:	07/22/26	**Time:**	11:30	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:00	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	662				
Can Factor	1.35				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**7.48E+02**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

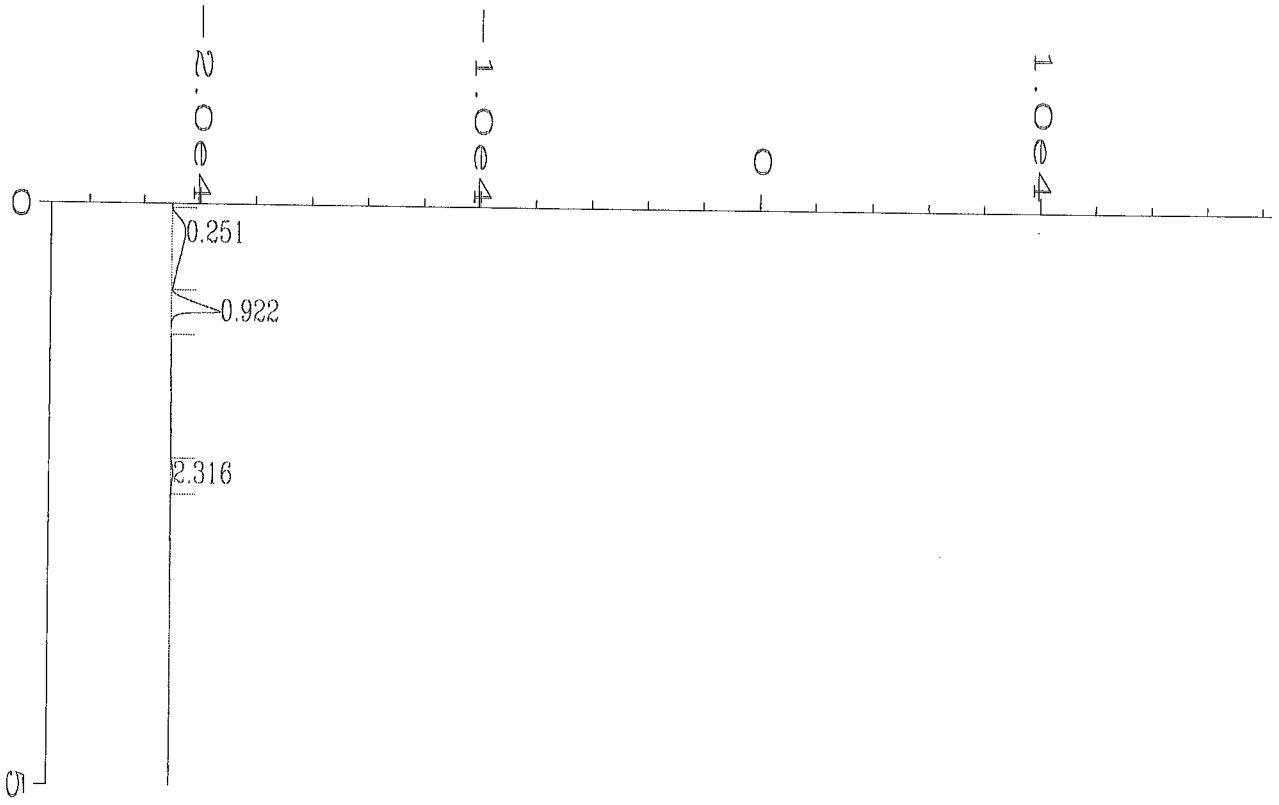
File Name: 2614442A
QCBatch 090126-GCL
Can Factor 1.35
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.35
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.09	ND	ND	0		0.50	0.68	2.03	0.68	2.03	0.44	1.33	U

EPA Qual	Det Qual	Rpt
	ND	Y



Printed: 05/03/2016

==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614442A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-314
Run Time Bar Code:
Acquired on : 01 Sep 26 07:00 PM
Report Created on: 02 Sep 26 04:54 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614442A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.251	11585	486	BV	0.294	51.2861
2	0.922	10256	1779	VB	0.075	45.4042
3	2.316	748	74	MM	0.167	3.3097

Total area = 22589

User Modified

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **43**

Client ID T-401

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 43

File Name:	2614443A	**Date Sampled:**	07/23/26	**Time:**	8:59
Description:	T-401	**Date Analyzed:**	09/01/26	**Time:**	19:06
Can/Tube#:	643	**Dilution Factor:**	1.40		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.70	2.10	ND	0.46	1.38	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	43				
File Name:	2614443A	B		**SF:**	2
Description:	T-401			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	8:59	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:06	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	643				
Can Factor	1.40				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.39E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

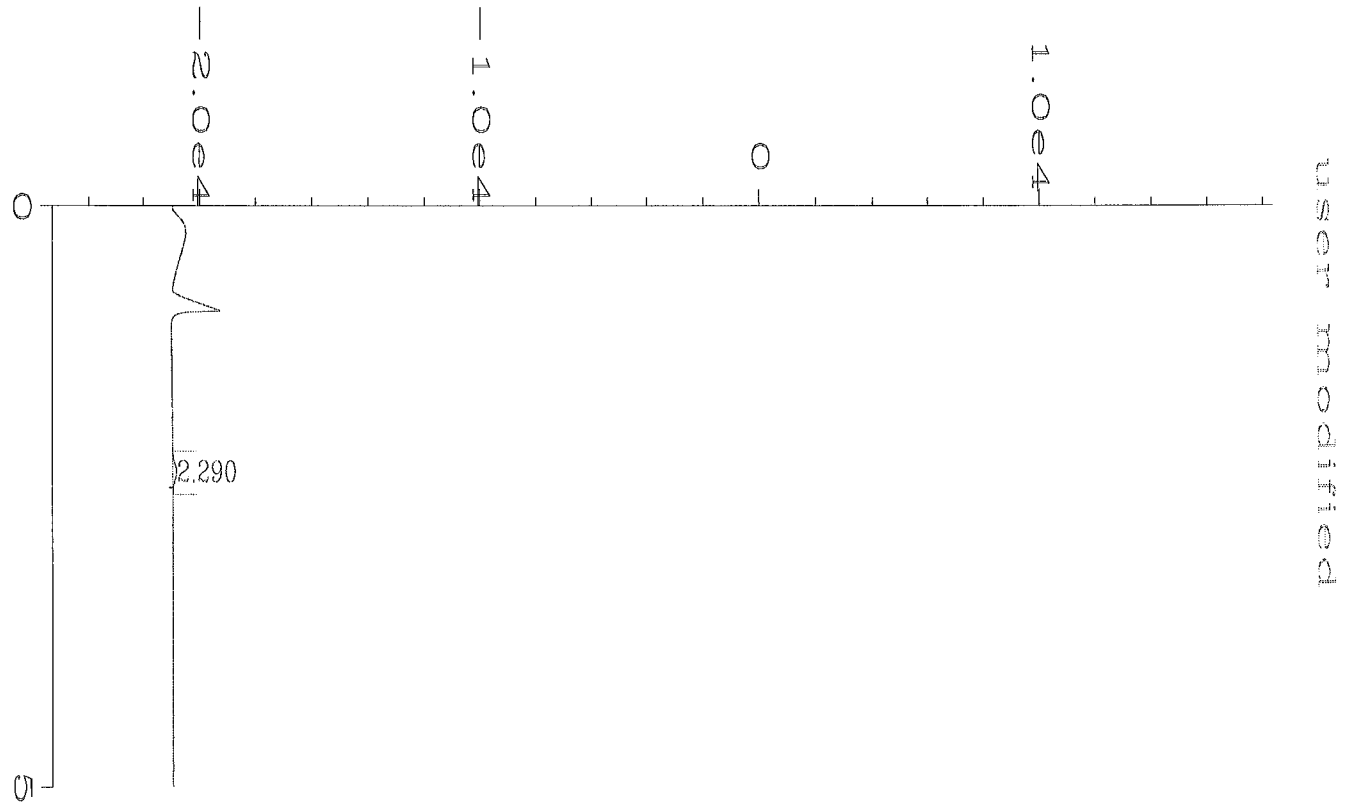
File Name: 2614443A
QCBatch 090126-GCL
Can Factor 1.40
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.40
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.18	ND	ND	0		0.50	0.70	2.10	0.70	2.10	0.46	1.38	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614443A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-401
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 07:06 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:54 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614443A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.290	1391	139	MM	0.167	100.0000

Total area = 1391

User Modified

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 44

Client ID T-402

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Can/Tube#: 740
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 09/01/26 **Time:** 19:11
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.96	2,610.25	0.43	1.29	1,711.64	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	44				
File Name:	2614444A	B		**SF:**	2
Description:	T-402			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	9:00	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:11	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	740				
Can Factor	1.31				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.12E+07**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

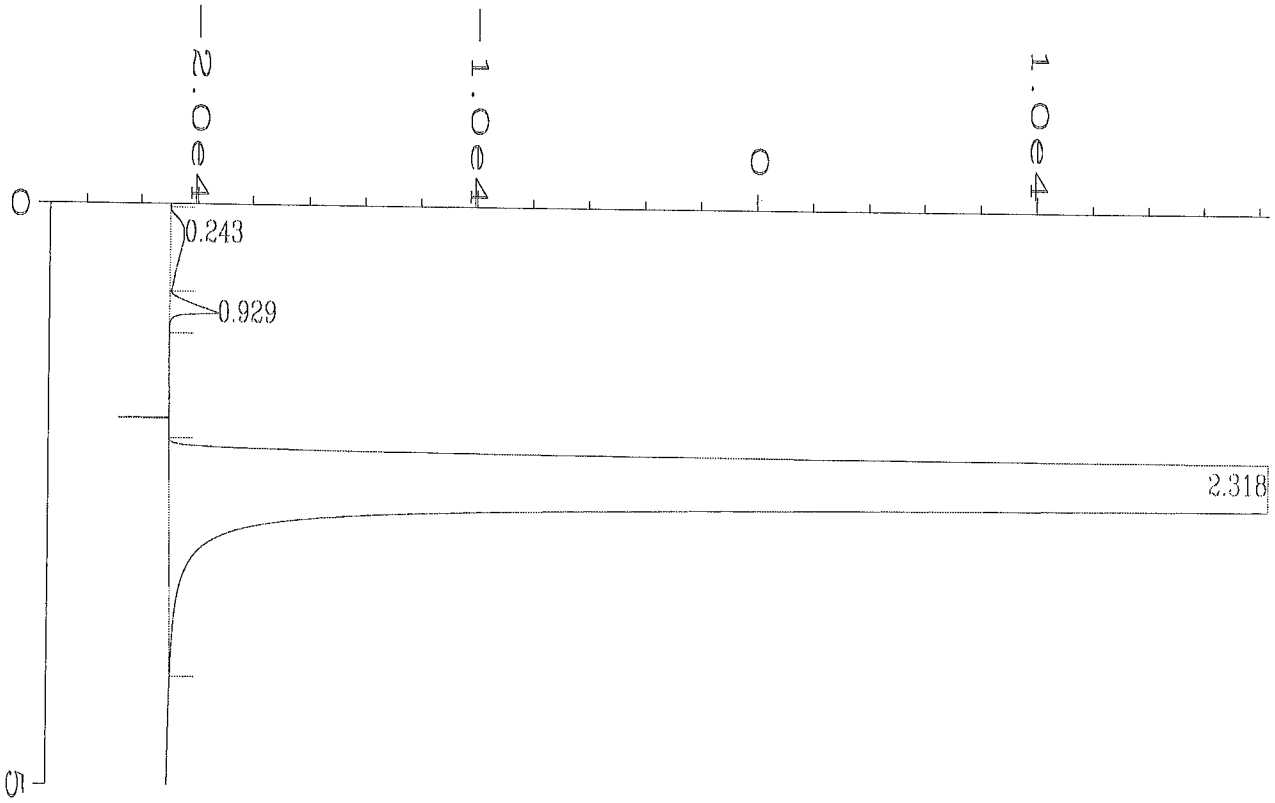
ASTM D3416 Methane by GC/FID

File Name: 2614444A
QCBatch 090126-GCL
Can Factor 1.31
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.31
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**
Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	2610.25	2,610.25	1,711.64	1,711.64	1,711.64	0.50	0.65	1.96	0.65	1.96	0.43	1.29	

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614444A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-402
Run Time Bar Code:
Acquired on : 01 Sep 26 07:11 PM
Report Created on: 02 Sep 26 04:55 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614444A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.243	12269	489	BV	0.313	0.0577
2	0.929	10047	1746	VB	0.075	0.0473
3	2.318	2.12404E+007	2001545	BB	0.165	99.8950

Total area = 2.12627E+007

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **45**

Client ID T-403

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Can/Tube#: 699
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:17
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.08	ND	0.45	1.36	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	45				
File Name:	2614445A	B		**SF:**	2
Description:	T-403			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	9:04	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:17	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	699				
Can Factor	1.38				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.27E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

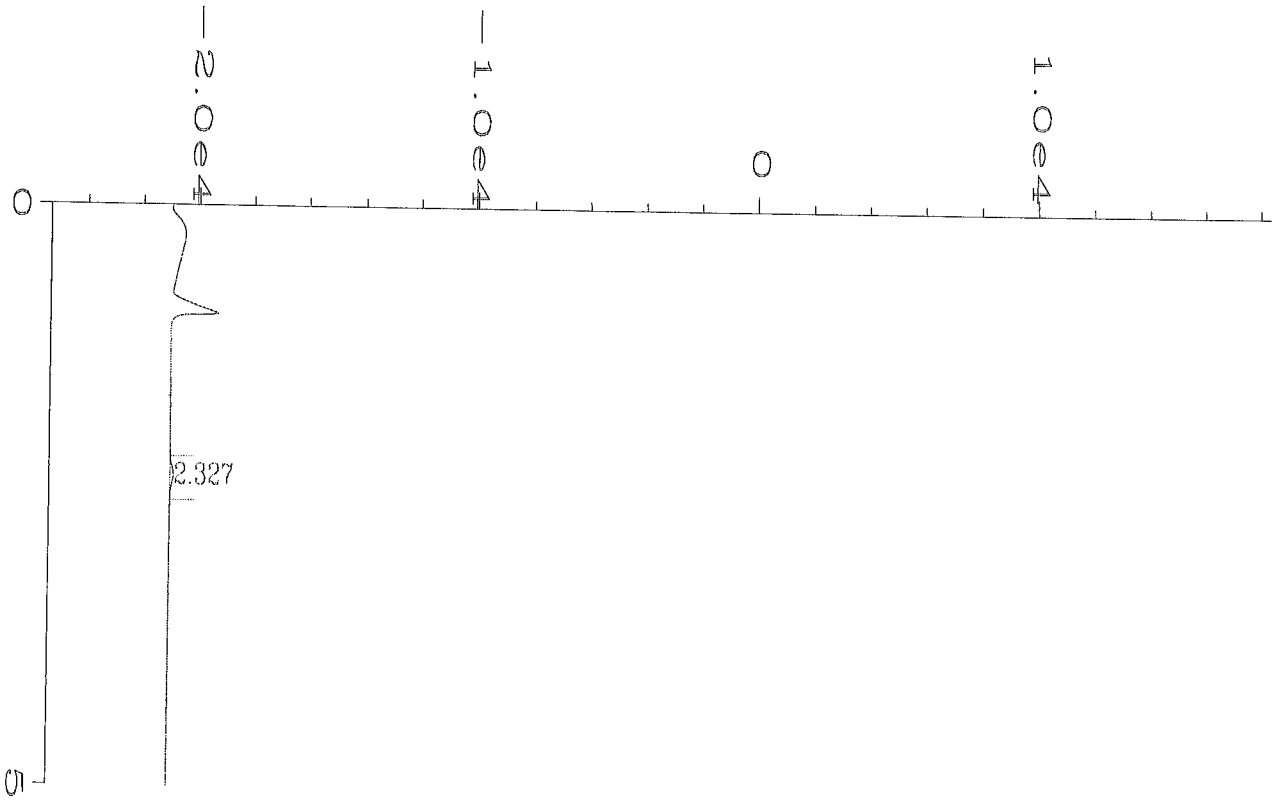
File Name: 2614445A
QCBatch 090126-GCL
Can Factor 1.38
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.38
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.17	ND	ND	0		0.50	0.69	2.08	0.69	2.08	0.45	1.36	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614445A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-403
Run Time Bar Code:
Acquired on : 01 Sep 26 07:17 PM
Report Created on: 02 Sep 26 04:55 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614445A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.327	1274	131	MM	0.162	100.0000

Total area = 1274

User Modified

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Sample Data Packages

SDG Number 226144

Lab Id Number 46

Client ID T-404

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 46

File Name:	2614446A	**Date Sampled:**	07/23/26	**Time:**	9:04
Description:	T-404	**Date Analyzed:**	09/01/26	**Time:**	19:22
Can/Tube#:	618	**Dilution Factor:**	1.38		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.06	1,976.79	0.45	1.35	1,296.25	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	46				
File Name:	2614446A	B		**SF:**	2
Description:	T-404			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	9:04	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:22	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	618				
Can Factor	1.38				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.53E+07**

For Data Package Print QUANT, REPORT, CALC

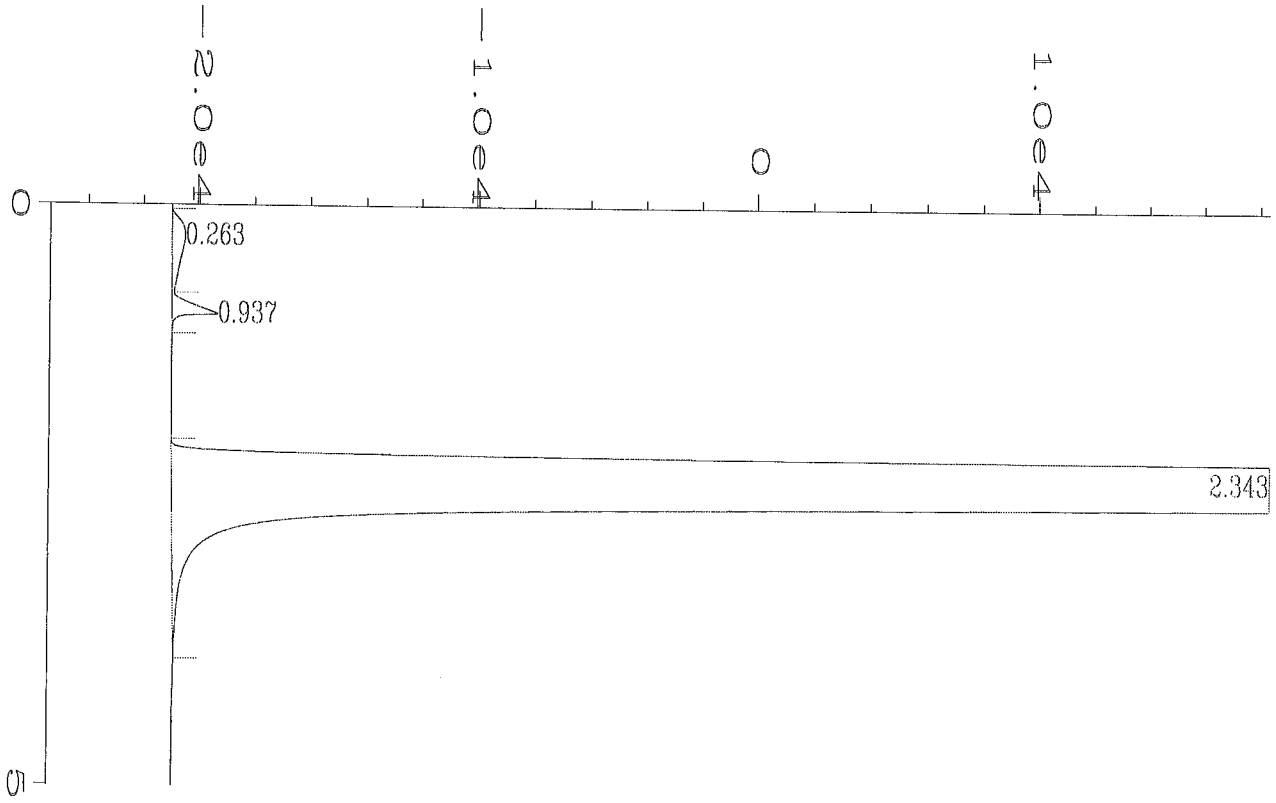
CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name:	2614446A		**SDG:**	**226144**			
QCBatch	090126-GCL						
Can Factor	1.38		**Calibration:**	L10	=>	L9 = Daily Calibration	RF: 9906
Volume:	5.00	ml	**RL Factor:**	3		L10 = Curve	RF: 10660
Base Volume	5.00	ml					CAL: 10660
Dilution Factor	1.38						
Gas Constant:	24.4						
Decimal Places:	2						

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1976.79	1,976.79	1,296.25	1,296.25	1,296.25	0.50	0.69	2.06	0.69	2.06	0.45	1.35	

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614446A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-404
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 07:22 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:55 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614446A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.263	12419	480	BV	0.322	0.0809
2	0.937	9600	1638	VB	0.075	0.0626
3	2.343	1.53229E+007	1443005	BB	0.165	99.8565

Total area = 1.53449E+007

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 47

Client ID T-405

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 47

File Name: 2614447A
Description: T-405
Can/Tube#: 849
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 19:29
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	ND	0.46	1.39	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	47				
File Name:	2614447A	B		**SF:**	2
Description:	T-405			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	9:59	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:29	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	849				
Can Factor	1.42				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.33E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

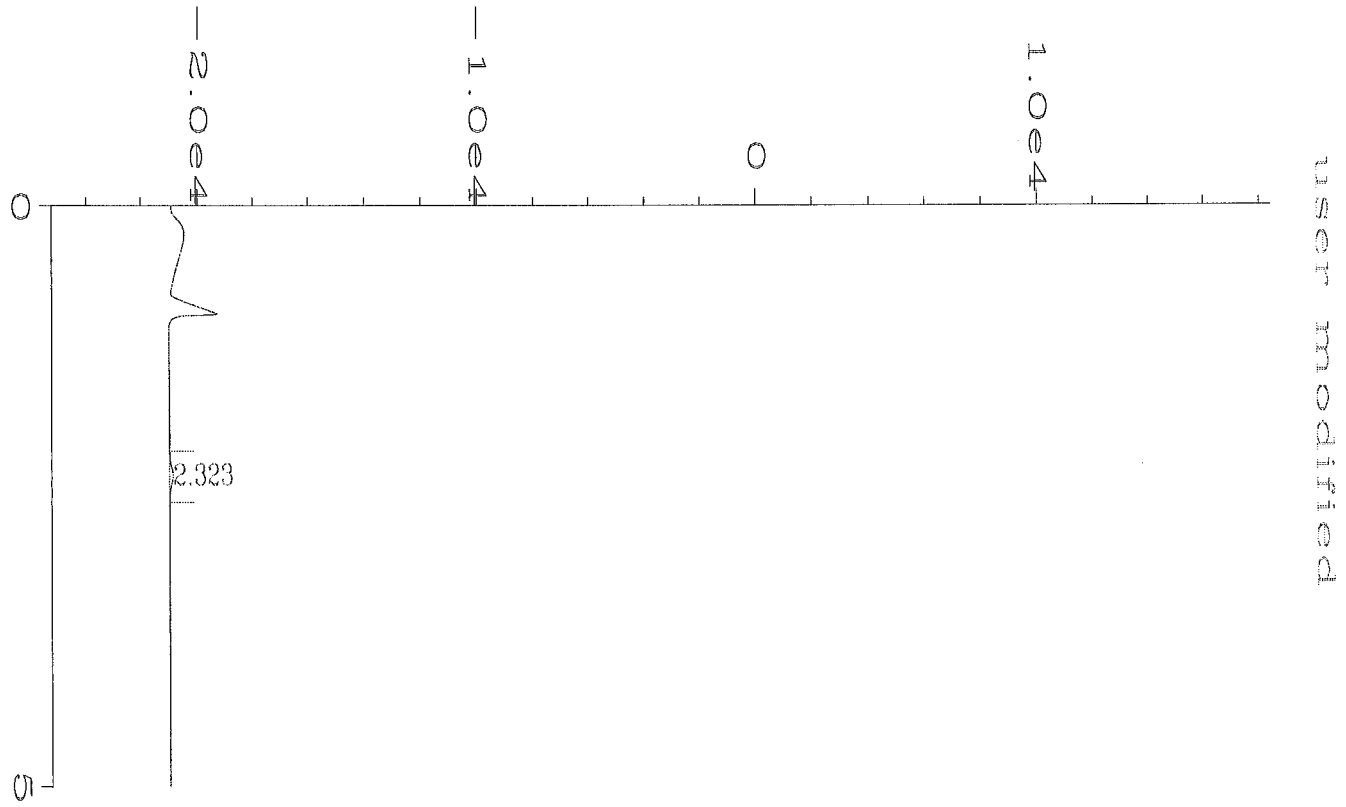
File Name: 2614447A
QCBatch 090126-GCL
Can Factor 1.42
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.42
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.18	ND	ND	0		0.50	0.71	2.12	0.71	2.12	0.46	1.39	**U**

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614447A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-405
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 07:29 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:56 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614447A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.323	1329	124	MM	0.178	100.0000

Total area = 1329

User Modified

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Sample Data Packages

SDG Number **226144**

Lab Id Number **48**

Client ID T-406

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Can/Tube#: 506
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 09/01/26 **Time:** 19:34
Dilution Factor: 1.34

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.01	2.21	0.44	1.32	1.45	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	48				
File Name:	2614448A	B		**SF:**	2
Description:	T-406			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	10:02	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:34	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	506				
Can Factor	1.34				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.76E+04**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

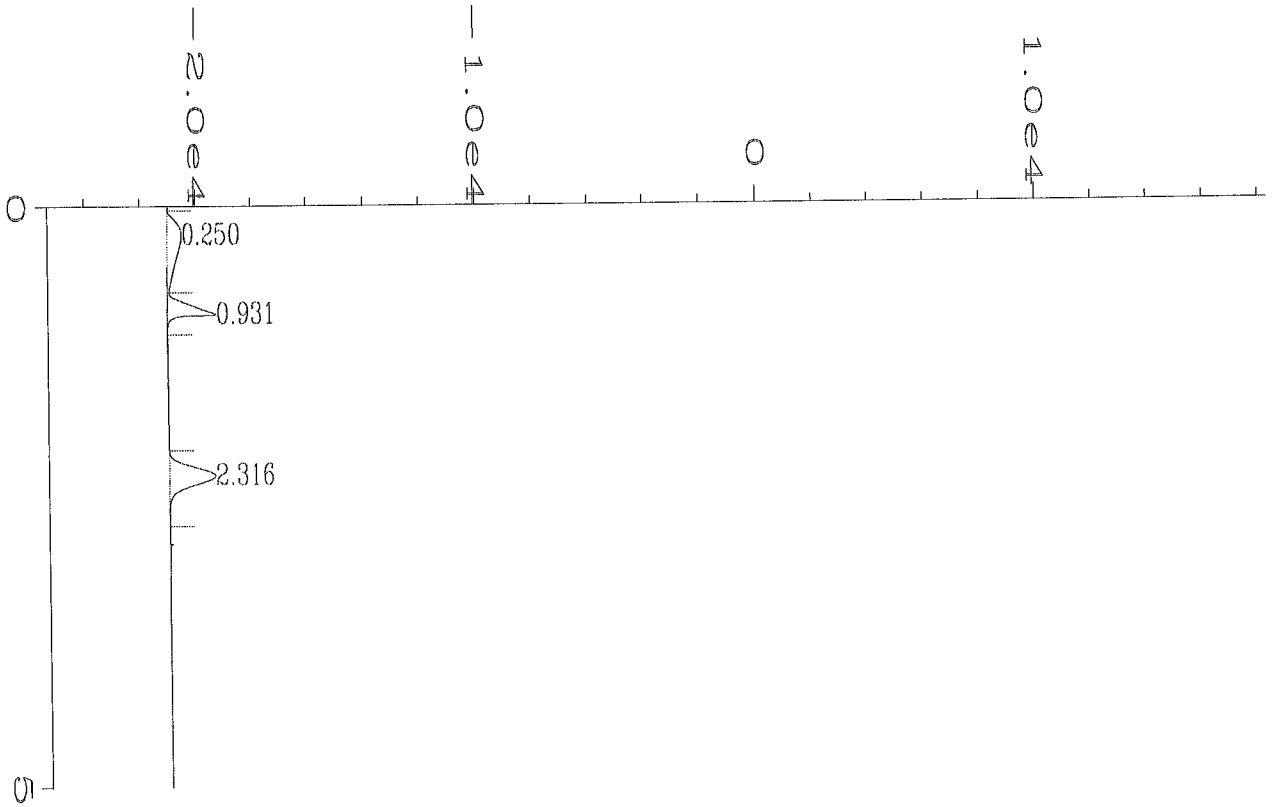
File Name: 2614448A
QCBatch 090126-GCL
Can Factor 1.34
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.34
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	2.21	2.21	1.45	1.45	1.45	0.50	0.67	2.01	0.67	2.01	0.44	1.32	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614448A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-406
Run Time Bar Code:
Acquired on : 01 Sep 26 07:34 PM
Report Created on: 02 Sep 26 04:56 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614448A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.250	11816	485	BV	0.305	29.8641
2	0.931	10138	1775	VB	0.075	25.6217
3	2.316	17613	1667	BB	0.146	44.5142

Total area = 39567

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **49**

Client ID T-407

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 49

File Name:	2614449A	**Date Sampled:**	07/23/26	**Time:**	10:07
Description:	T-407	**Date Analyzed:**	09/01/26	**Time:**	19:40
Can/Tube#:	823	**Dilution Factor:**	1.45		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	ND	0.47	1.42	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	49				
File Name:	2614449A	B		**SF:**	2
Description:	T-407			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	10:07	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:40	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	823				
Can Factor	1.45				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.11E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

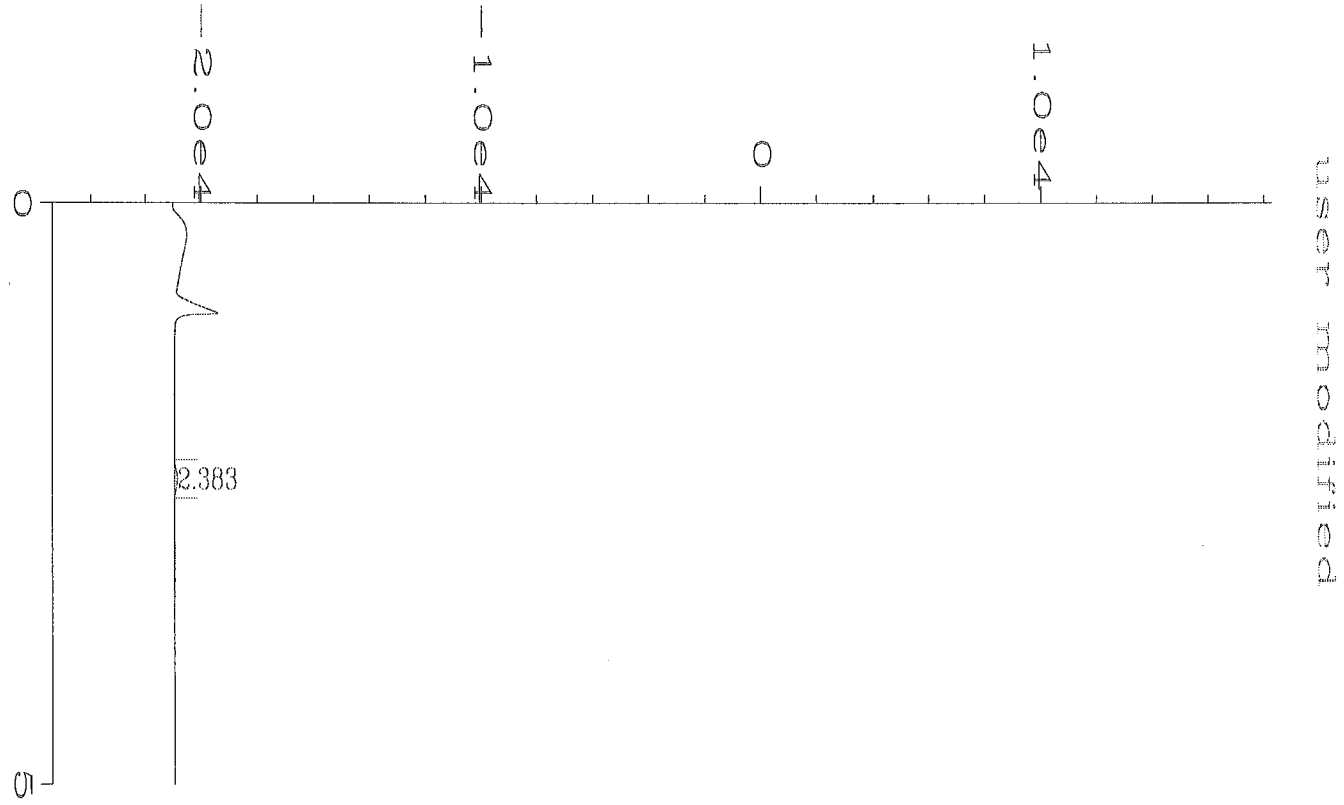
File Name: 2614449A
QCBatch 090126-GCL
Can Factor 1.45
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.45
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** **=>** L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.15	ND	ND	0		0.50	0.72	2.17	0.72	2.17	0.47	1.42	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614449A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-407
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 07:40 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:56 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614449A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.383	1109	112	MM	0.165	100.0000

Total area = 1109

User Modified

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 50

Client ID T-408

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 50

File Name: 2614450A
Description: T-408
Can/Tube#: 789
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 10:11
Date Analyzed: 09/01/26 **Time:** 19:45
Dilution Factor: 1.48

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.22	1,524.89	0.49	1.46	999.93	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	50				
File Name:	2614450A	B		**SF:**	2
Description:	T-408			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	10:11	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:45	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	789				
Can Factor	1.48				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.10E+07**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

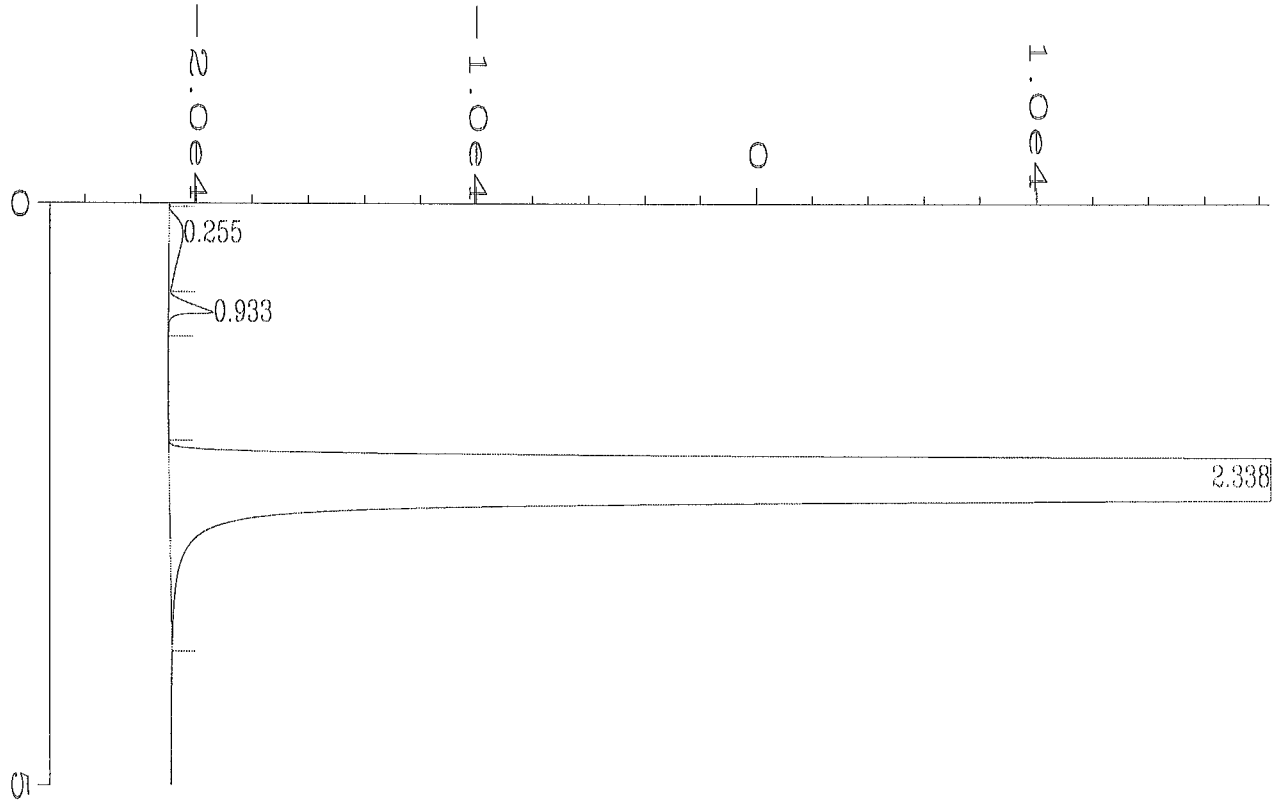
File Name: 2614450A
QCBatch 090126-GCL
Can Factor 1.48
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.48
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	1524.89	1,524.89	999.93	999.93	999.93	0.50	0.74	2.22	0.74	2.22	0.49	1.46	

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614450A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-408
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 07:45 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:57 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614450A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.255	12117	473	BV	0.323	0.1103
2	0.933	8997	1584	VB	0.074	0.0819
3	2.338	1.09613E+007	1032982	BB	0.165	99.8077

Total area = 1.09824E+007

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 51

Client ID T-409

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 51

File Name: 2614451A
Description: T-409
Can/Tube#: 732
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:10
Date Analyzed: 09/01/26 **Time:** 19:51
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	ND	0.46	1.39	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	51				
File Name:	2614451A	B		**SF:**	2
Description:	T-409			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	11:10	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:51	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	732				
Can Factor	1.41				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**4.86E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614451A
QCBatch 090126-GCL
Can Factor 1.41
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.41
Gas Constant: 24.4
Decimal Places: 2

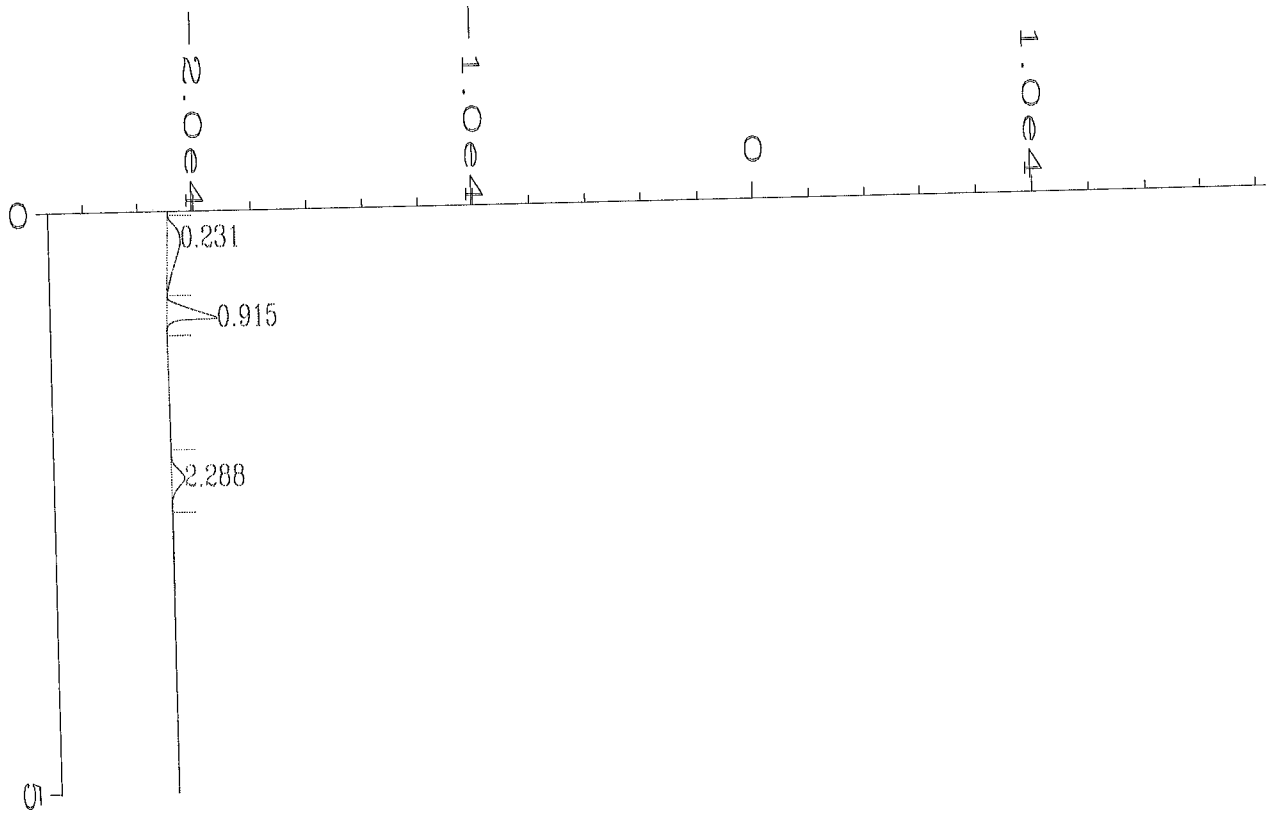
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: **3** L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.64	ND	ND	0		0.50	0.71	2.12	0.71	2.12	0.46	1.39	U

EPA Qual	Det Qual	Rpt
	ND	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614451A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-409
Run Time Bar Code:
Acquired on : 01 Sep 26 07:51 PM
Report Created on: 02 Sep 26 04:57 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614451A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.231	10120	460	BV	0.274	40.0051
2	0.915	10321	1807	PB	0.074	40.8003
3	2.288	4856	460	BB	0.131	19.1946

Total area = 25297

Sample Data Packages

SDG Number 226144

Lab Id Number 52

Client ID T-410

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ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Can/Tube#: 709
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 09/01/26 **Time:** 19:56
Dilution Factor: 1.36

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.68	2.05	75.13	0.45	1.34	49.27	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	52				
File Name:	2614452A	B		**SF:**	2
Description:	T-410			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	11:09	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	19:56	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	709				
Can Factor	1.36				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**5.87E+05**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614452A
QCBatch 090126-GCL
Can Factor 1.36
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.36
Gas Constant: 24.4
Decimal Places: 2

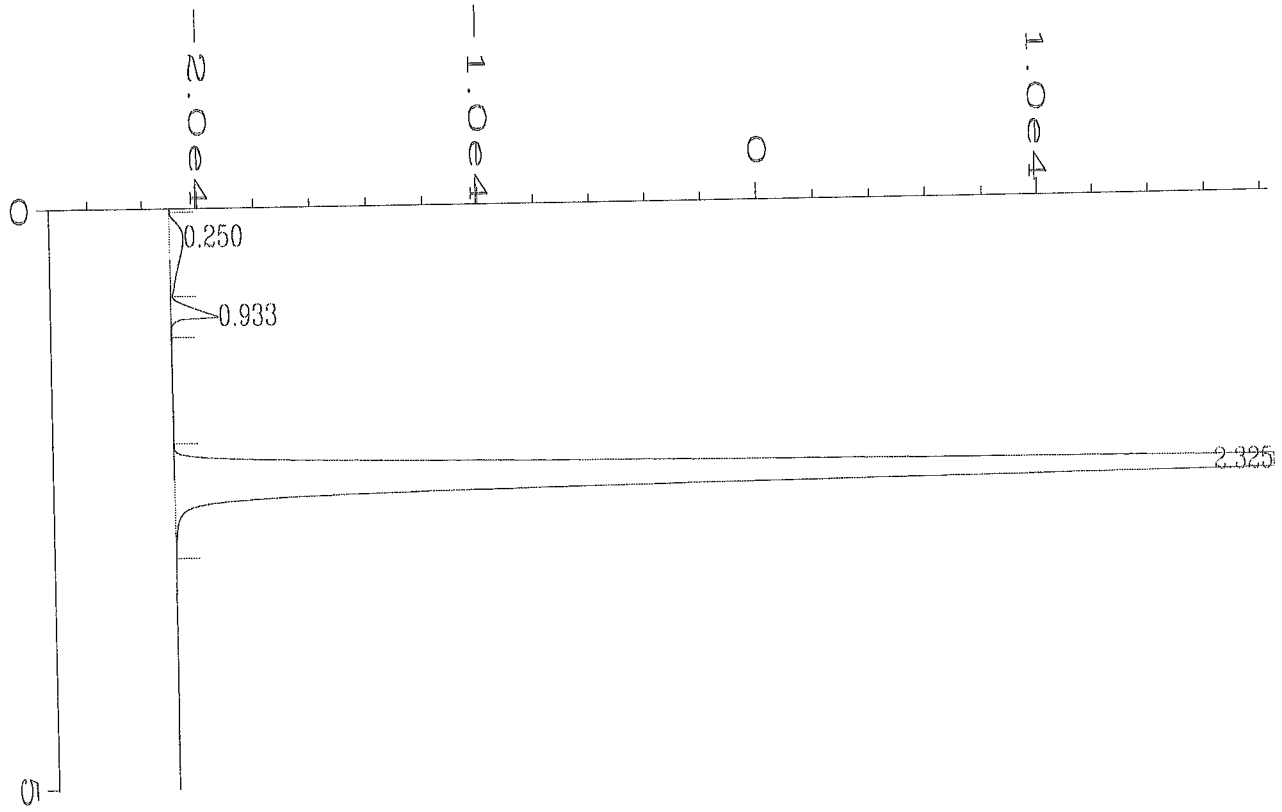
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	75.13	75.13	49.27	49.27	49.27	0.50	0.68	2.05	0.68	2.05	0.45	1.34	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614452A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-410
Run Time Bar Code:
Acquired on : 01 Sep 26 07:56 PM
Report Created on: 02 Sep 26 04:57 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614452A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.250	12667	499	BV	0.298	2.0773
2	0.933	9918	1717	VB	0.073	1.6265
3	2.325	587197	55622	BB	0.165	96.2963

Total area = 609781

Sample Data Packages

SDG Number 226144

Lab Id Number 53

Client ID T-411

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 53

File Name: 2614453A
Description: T-411
Can/Tube#: 750
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:02
Dilution Factor: 1.30

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.65	1.95	362.68	0.43	1.28	237.82	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	53				
File Name:	2614453A	B		**SF:**	2
Description:	T-411			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	11:07	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:02	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	750				
Can Factor	1.30				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.97E+06**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

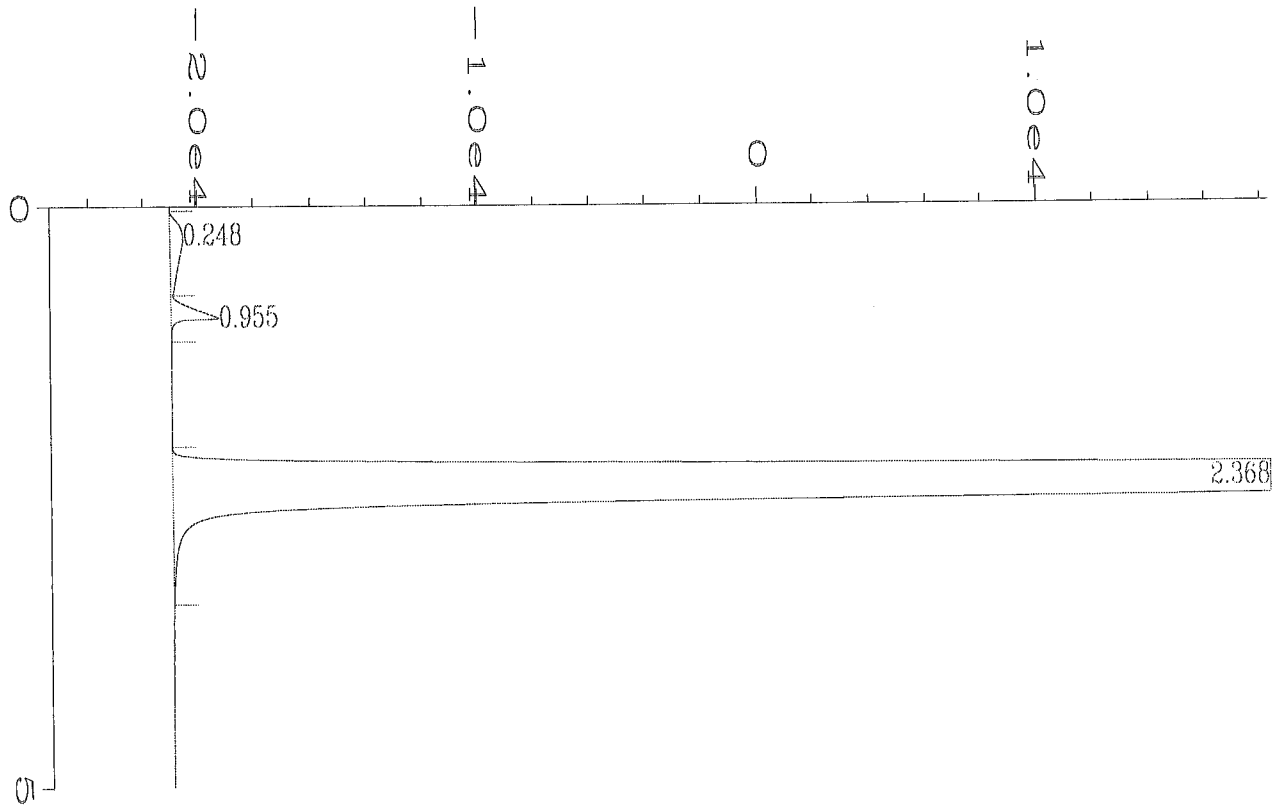
File Name: 2614453A
QCBatch 090126-GCL
Can Factor 1.30
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.30
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	362.68	362.68	237.82	237.82	237.82	0.50	0.65	1.95	0.65	1.95	0.43	1.28	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614453A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-411
Run Time Bar Code:
Acquired on : 01 Sep 26 08:02 PM
Report Created on: 02 Sep 26 04:57 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614453A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.248	12656	483	BV	0.330	0.4228
2	0.955	10801	1743	VB	0.079	0.3608
3	2.368	2969803	282105	BB	0.164	99.2163

Total area = 2993259

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 54

Client ID T-412

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 54

File Name: 2614454A
Description: T-412
Can/Tube#: 503
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:07
Dilution Factor: 1.51

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.75	2.26	34,791.10	0.49	1.48	22,813.84	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	54				
File Name:	2614454A	B		**SF:**	2
Description:	T-412			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	11:07	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:07	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	503				
Can Factor	1.51				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.46E+08**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614454A
QCBatch 090126-GCL
Can Factor 1.51
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.51
Gas Constant: 24.4
Decimal Places: 2

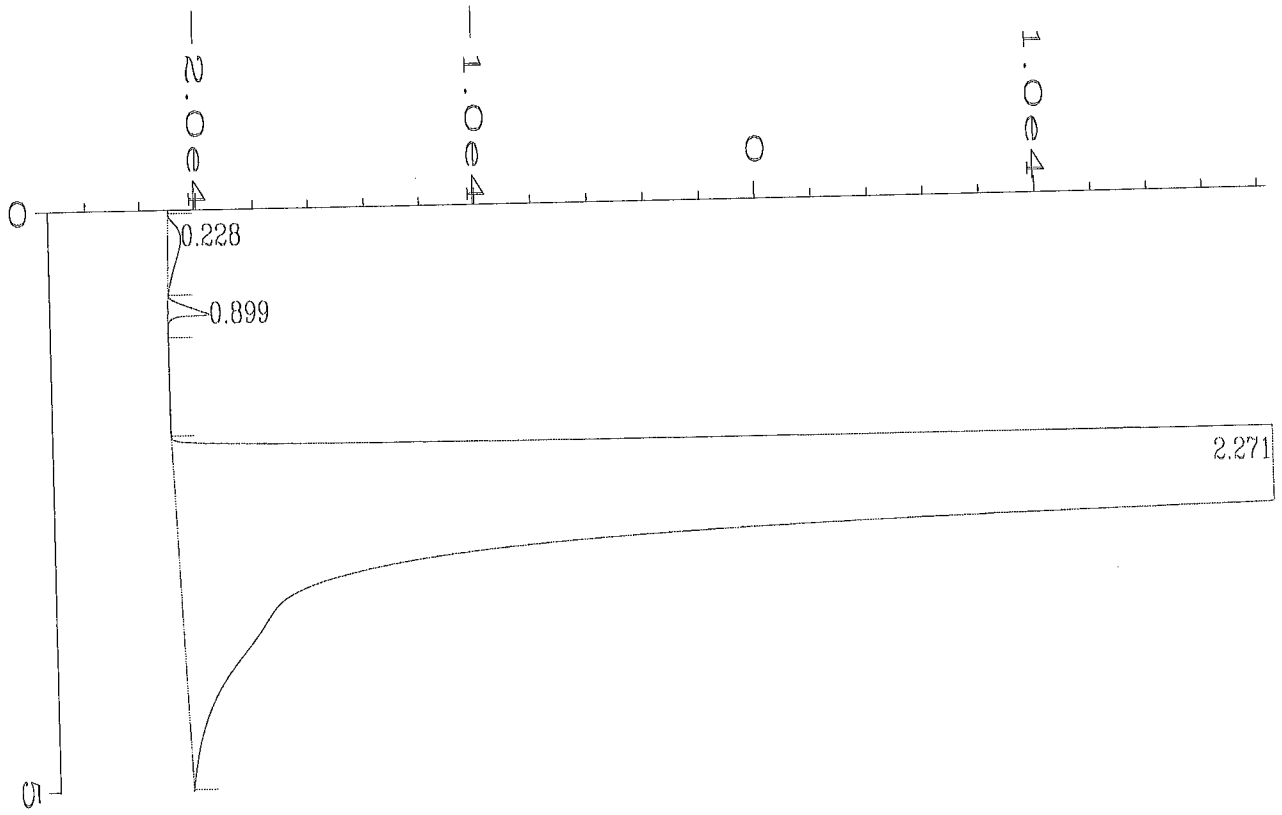
SDG: **226144**

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	34791.10	34,791.10	22,813.84	22,813.84	22,813.84	0.50	0.75	2.26	0.75	2.26	0.49	1.48	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614454A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-412
Run Time Bar Code:
Acquired on : 01 Sep 26 08:07 PM
Report Created on: 02 Sep 26 04:57 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614454A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.228	10350	456	BV	0.286	0.0042
2	0.899	7631	1488	VB	0.069	0.0031
3	2.271	2.46145E+008	2.21081E+007	BBA	0.175	99.9927

Total area = 2.46163E+008

Sample Data Packages

SDG Number **226144**

Lab Id Number **55**

Client ID T-413

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ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 55

File Name: 2614455A
Description: T-413
Can/Tube#: 695
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:13
Dilution Factor: 1.47

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.20	27,019.47	0.48	1.44	17,717.69	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	55				
File Name:	2614455A	B		**SF:**	2
Description:	T-413			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	11:19	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:13	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	695				
Can Factor	1.47				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.96E+08**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

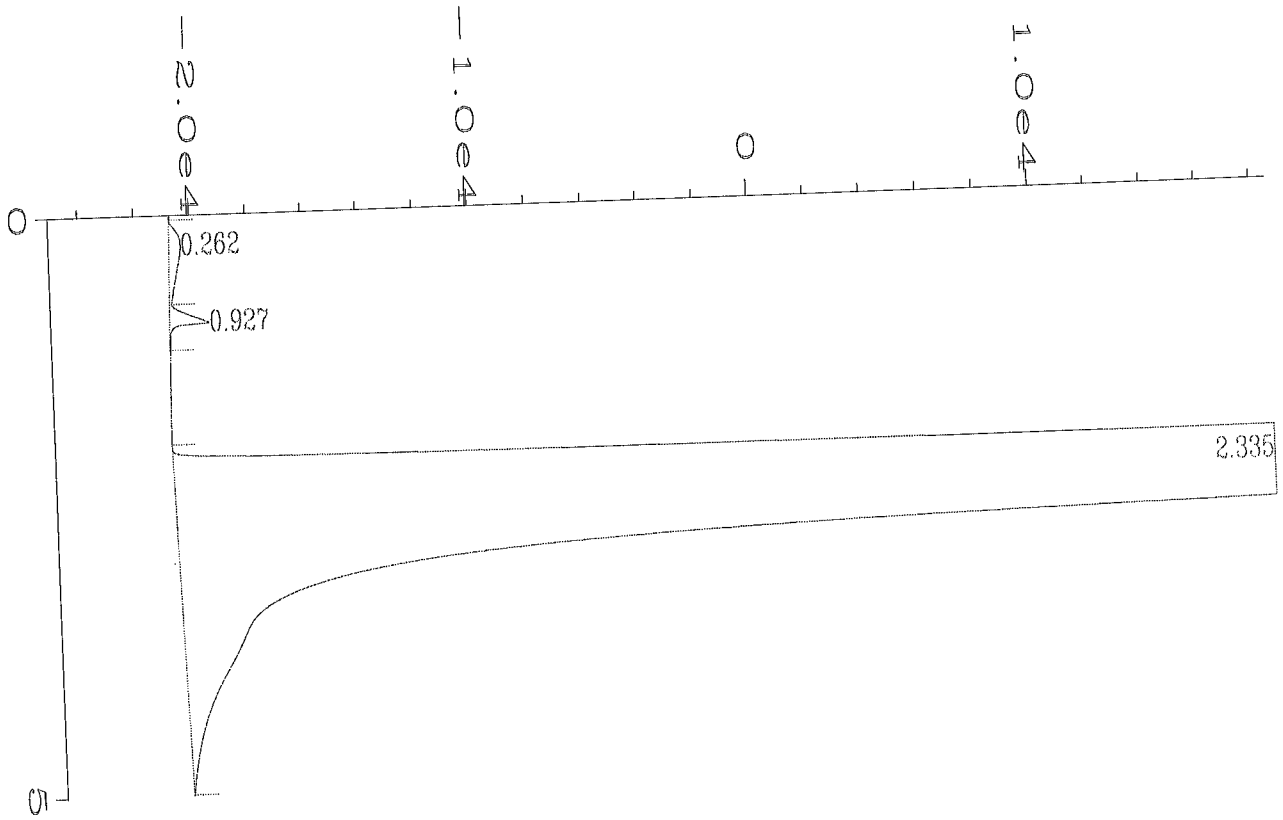
File Name: 2614455A
QCBatch 090126-GCL
Can Factor 1.47
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.47
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	27019.47	27,019.47	17,717.69	17,717.69	17,717.69	0.50	0.73	2.20	0.73	2.20	0.48	1.44	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614455A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-413
Run Time Bar Code:
Acquired on : 01 Sep 26 08:13 PM
Report Created on: 02 Sep 26 04:57 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614455A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.262	11022	419	BV	0.322	0.0056
2	0.927	7917	1426	VB	0.073	0.0040
3	2.335	1.96078E+008	1.79282E+007	BBA	0.172	99.9903

Total area = 1.96097E+008

Sample Data Packages

SDG Number 226144

Lab Id Number 56

Client ID T-414

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ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 56

File Name: 2614456A
Description: T-414
Can/Tube#: 738
QC_Batch: 090126-GCL

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:18
Dilution Factor: 1.28

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.64	1.91	3.57	0.42	1.26	2.34	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	56				
File Name:	2614456A	B		**SF:**	2
Description:	T-414			**Not Detected Flag:**	ND
Date Sampled:	07/23/26	**Time:**	11:19	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:18	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	738				
Can Factor	1.28				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**2.98E+04**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614456A
QCBatch 090126-GCL
Can Factor 1.28
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.28
Gas Constant: 24.4
Decimal Places: 2

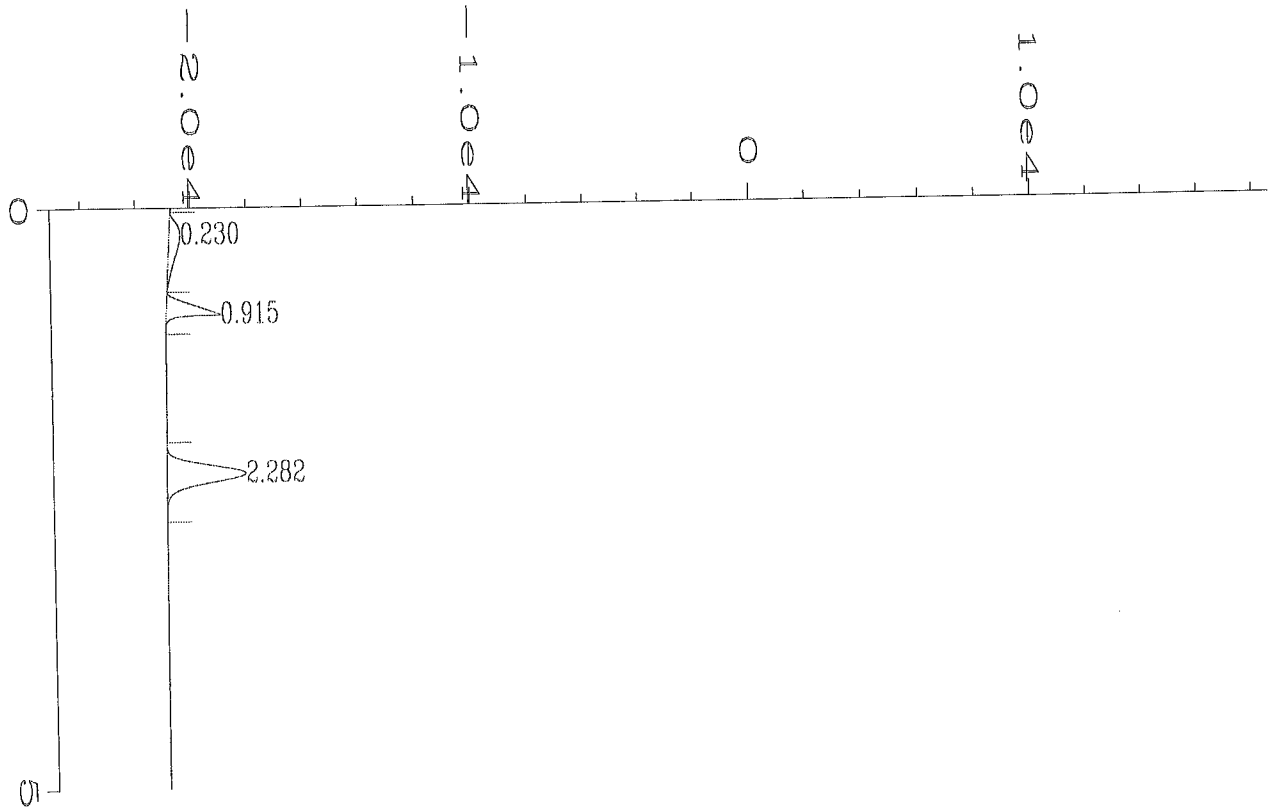
SDG: **226144**

Calibration: **L10** **=>** L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	3.57	3.57	2.34	2.34	2.34	0.50	0.64	1.91	0.64	1.91	0.42	1.26	

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614456A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-414
Run Time Bar Code:
Acquired on : 01 Sep 26 08:18 PM
Report Created on: 02 Sep 26 04:58 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614456A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.230	8459	388	BV	0.256	16.9914
2	0.915	11538	1938	PB	0.078	23.1778
3	2.282	29785	2819	BB	0.152	59.8308

Total area = 49782

Sample Data Packages

SDG Number 226144

Lab Id Number 57

Client ID T-501

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ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Can/Tube#: 895
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:24
Dilution Factor: 1.41

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.12	0.87	0.46	1.39	0.57	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	57				
File Name:	2614457A	B		**SF:**	2
Description:	T-501			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	9:22	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:24	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	895				
Can Factor	1.41				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**6.57E+03**

For Data Package Print QUANT, REPORT, CALC

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ASTM D3416 Methane by GC/FID

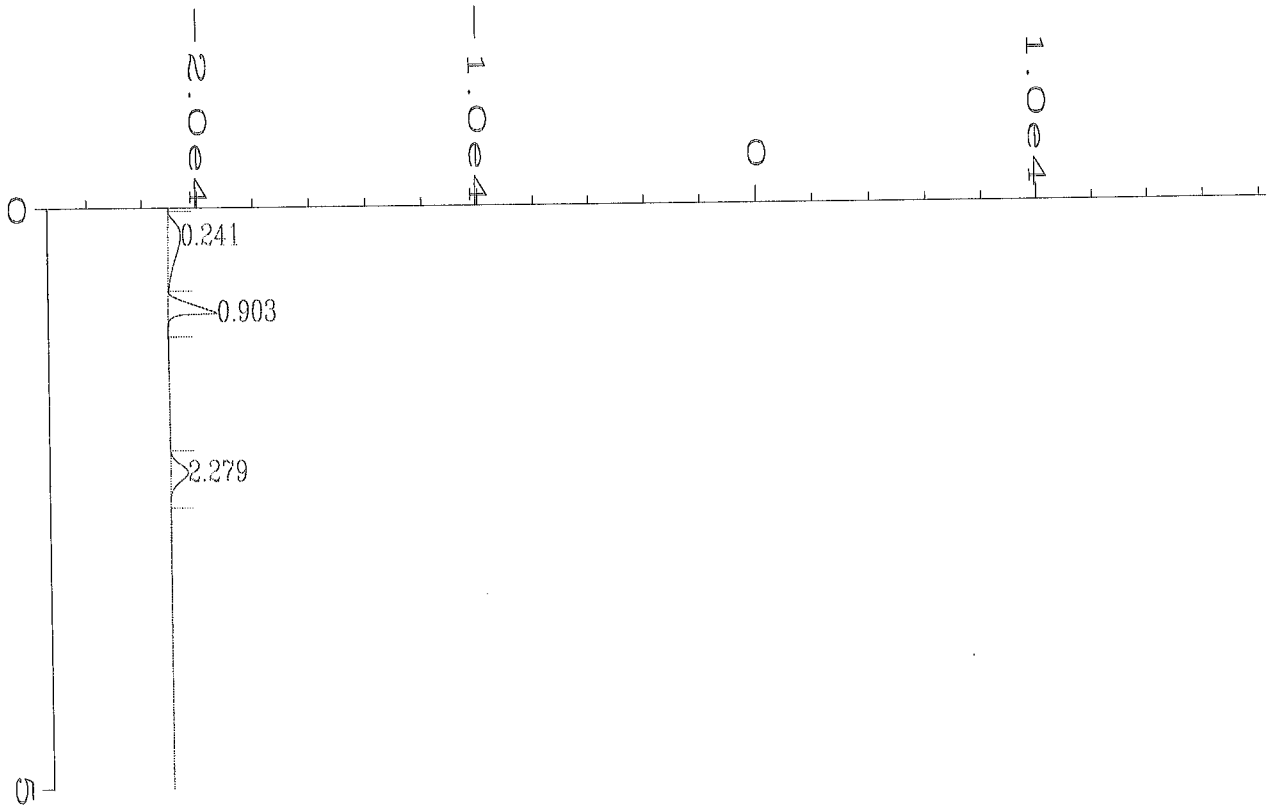
File Name: 2614457A
QCBatch 090126-GCL
Can Factor 1.41
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.41
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** **=>** L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.87	0.87	0.57	0.57	0.57	0.50	0.71	2.12	0.71	2.12	0.46	1.39	J

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614457A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-501
Run Time Bar Code:
Acquired on : 01 Sep 26 08:24 PM
Report Created on: 02 Sep 26 04:58 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614457A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.241	9828	455	BV	0.263	37.2183
2	0.903	10013	1764	VB	0.073	37.9191
3	2.279	6565	628	BB	0.135	24.8627

Total area = 26405

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 58

Client ID T-502

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 58

File Name: 2614458A
Description: T-502
Can/Tube#: 728
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:29
Dilution Factor: 1.34

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	ND	0.44	1.31	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	58				
File Name:	2614458A	B		**SF:**	2
Description:	T-502			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	9:22	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:29	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	728				
Can Factor	1.34				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**4.66E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

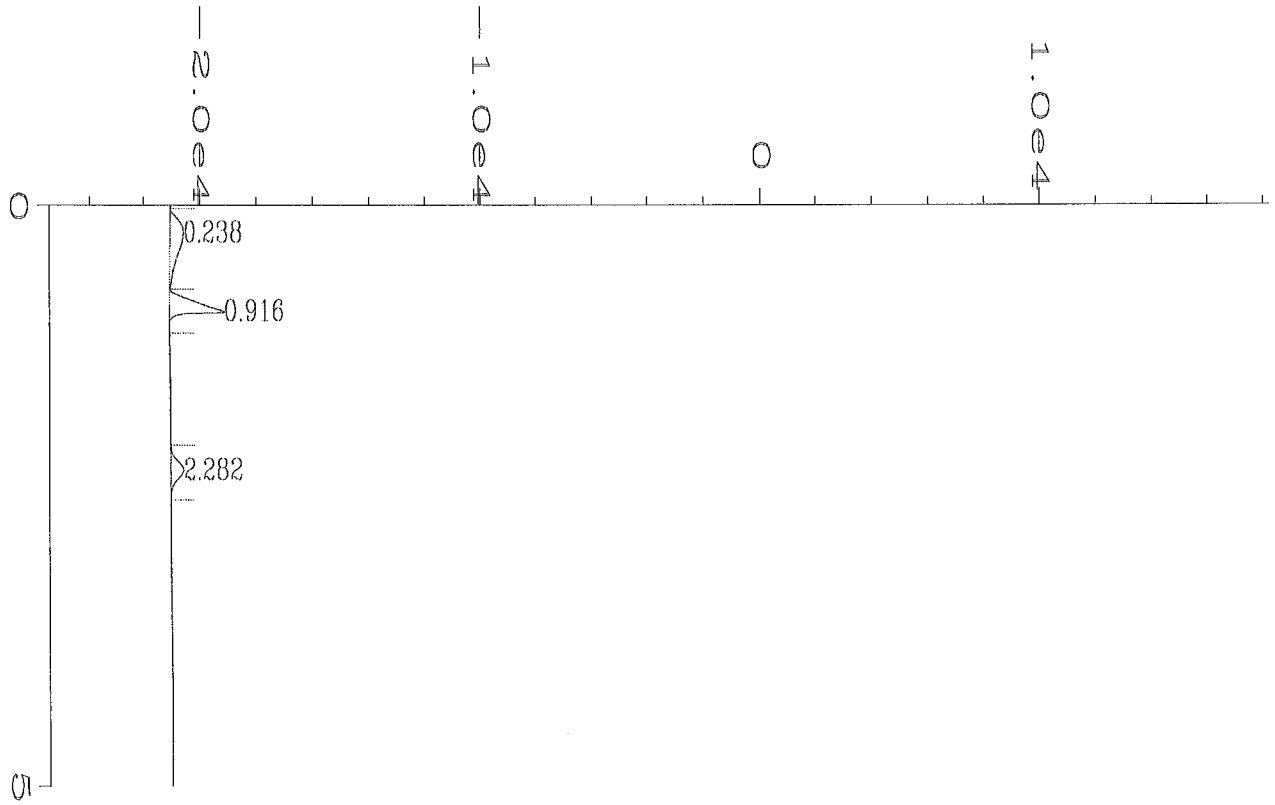
File Name: 2614458A
QCBatch 090126-GCL
Can Factor 1.34
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.34
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.58	ND	ND	0		0.50	0.67	2.00	0.67	2.00	0.44	1.31	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614458A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-502
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:29 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:58 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614458A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.238	9941	467	BV	0.270	37.1667
2	0.916	12151	2010	PV	0.078	45.4265
3	2.282	4656	441	BB	0.130	17.4068

Total area = 26748

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 59

Client ID T-503

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Can/Tube#: 858
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 09/01/26 **Time:** 20:35
Dilution Factor: 1.42

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.13	ND	0.47	1.40	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	59				
File Name:	2614459A	B		**SF:**	2
Description:	T-503			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	9:29	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:35	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	858				
Can Factor	1.42				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**4.07E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614459A
QCBatch 090126-GCL
Can Factor 1.42
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.42
Gas Constant: 24.4
Decimal Places: 2

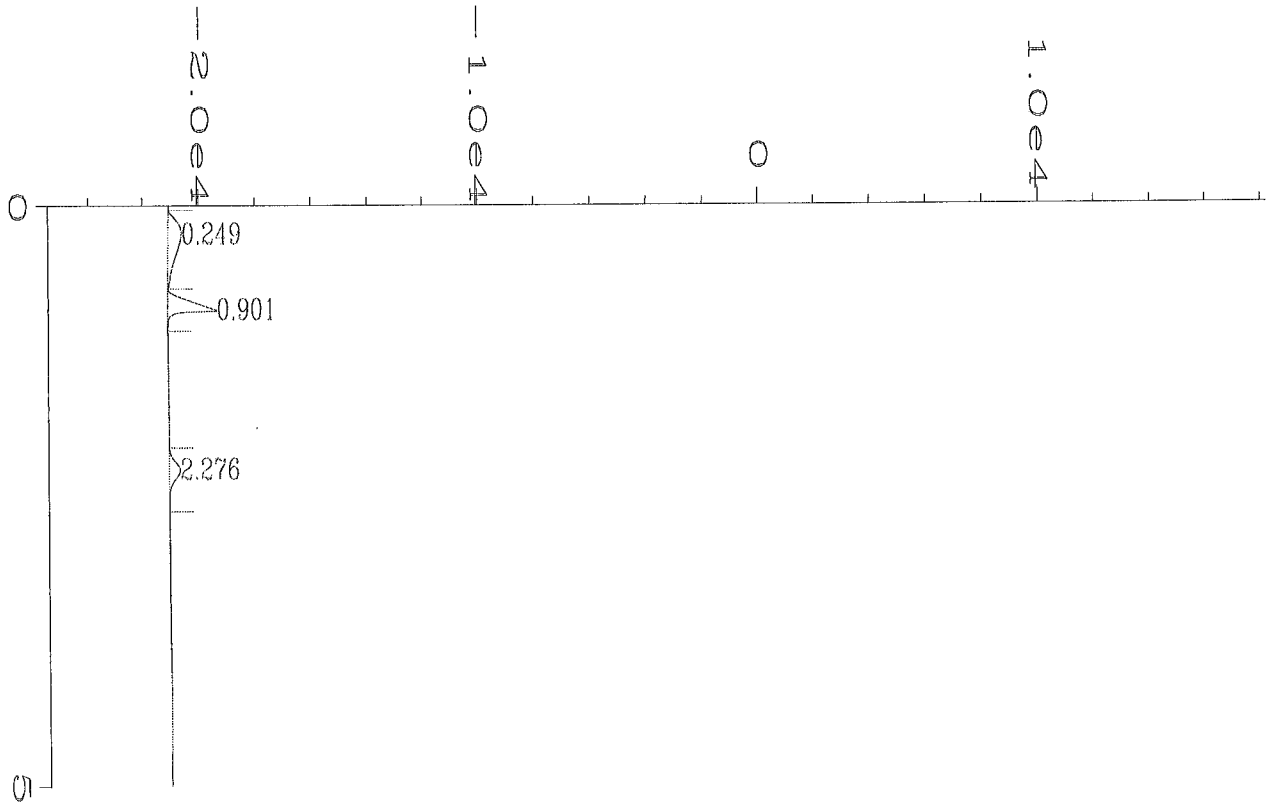
SDG: 226144

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.54	ND	ND	0		0.50	0.71	2.13	0.71	2.13	0.47	1.40	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614459A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-503
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:35 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:58 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614459A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.249	9752	453	BV	0.262	41.2618
2	0.901	9816	1733	VV	0.072	41.5314
3	2.276	4067	380	BB	0.134	17.2068

Total area = 23634

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **60**

Client ID T-504

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 60

File Name:	2614460A	**Date Sampled:**	07/24/26	**Time:**	9:21
Description:	T-504	**Date Analyzed:**	09/01/26	**Time:**	20:40
Can/Tube#:	556	**Dilution Factor:**	1.46		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.73	2.19	863.43	0.48	1.43	566.18	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	60				
File Name:	2614460A	B		**SF:**	2
Description:	T-504			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	9:21	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:40	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	556				
Can Factor	1.46				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**6.31E+06**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

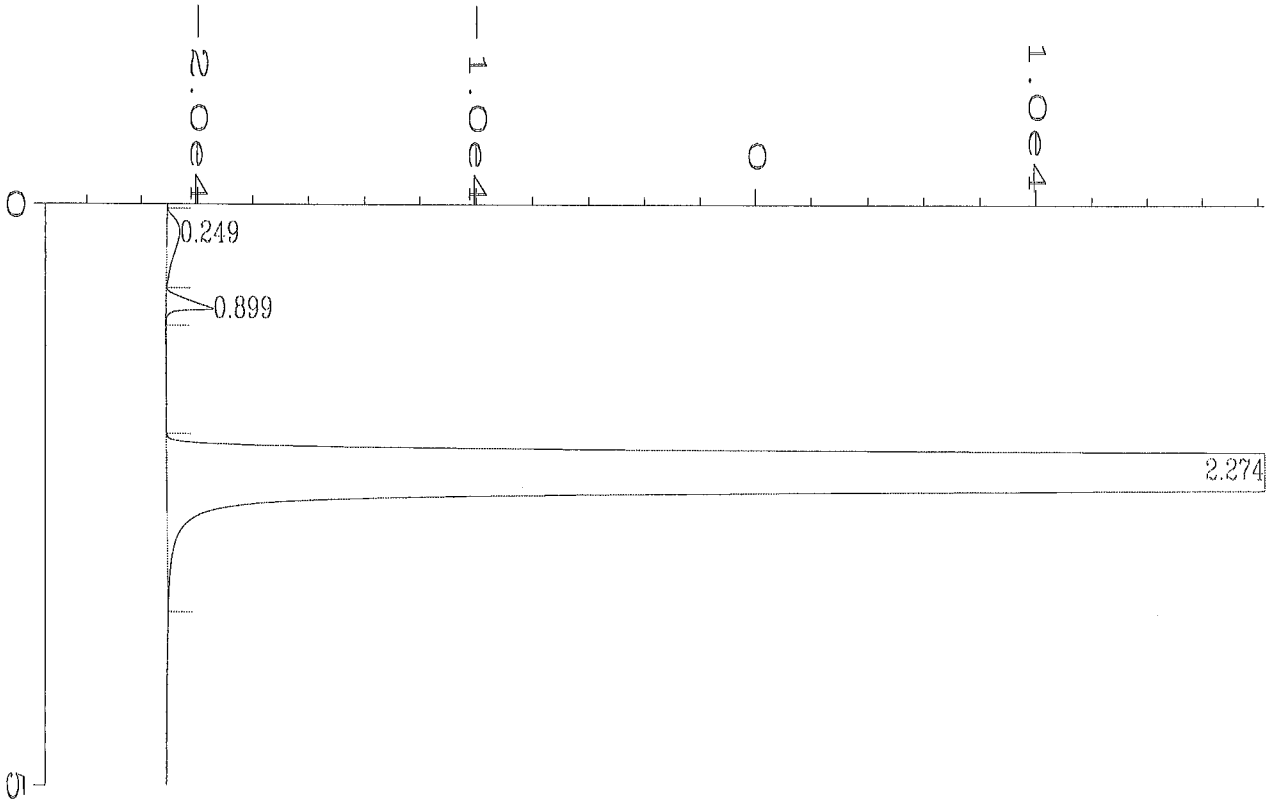
File Name: 2614460A
QCBatch 090126-GCL
Can Factor 1.46
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.46
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	863.43	863.43	566.18	566.18	566.18	0.50	0.73	2.19	0.73	2.19	0.48	1.43	

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614460A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-504
Run Time Bar Code:
Acquired on : 01 Sep 26 08:40 PM
Report Created on: 02 Sep 26 04:58 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614460A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.249	9824	459	BV	0.267	0.1552
2	0.899	9562	1727	VB	0.071	0.1511
3	2.274	6310055	594817	BB	0.165	99.6937

Total area = 6329441

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Sample Data Packages

SDG Number 226144

Lab Id Number 61

Client ID T-505

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Can/Tube#: 627
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 09/01/26 **Time:** 20:46
Dilution Factor: 1.49

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.74	2.23	0.89	0.49	1.46	0.58	J

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	61				
File Name:	2614461A	B		**SF:**	2
Description:	T-505			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	10:36	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:46	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	627				
Can Factor	1.49				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**6.37E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

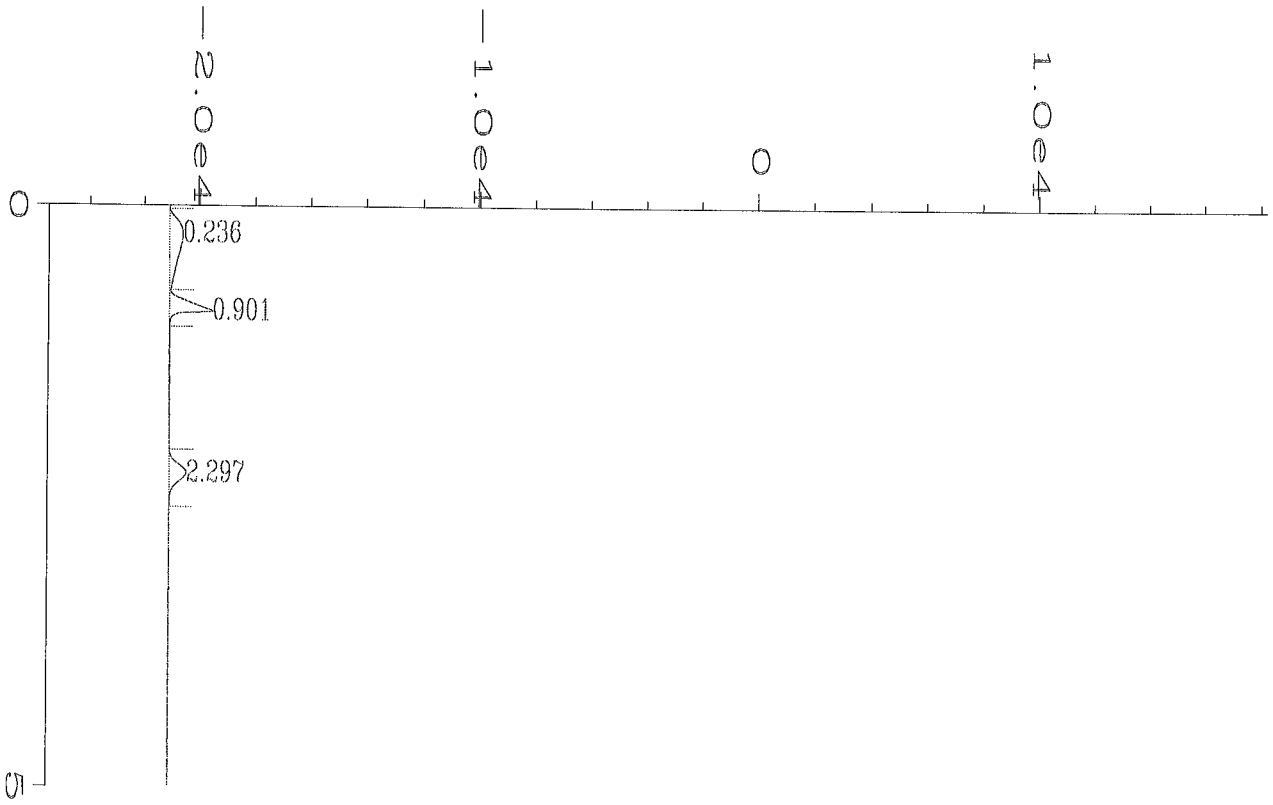
File Name: 2614461A
QCBatch 090126-GCL
Can Factor 1.49
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.49
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.89	0.89	0.58	0.58	0.58	0.50	0.74	2.23	0.74	2.23	0.49	1.46	J

EPA Qual	Det Qual	Rpt
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614461A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-505
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:46 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:58 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614461A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.236	11335	477	BV	0.307	42.9703
2	0.901	8675	1559	VB	0.077	32.8848
3	2.297	6369	606	BB	0.159	24.1449

Total area = 26379

Sample Data Packages

SDG Number 226144

Lab Id Number 62

Client ID T-506

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Can/Tube#: 760
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 09/01/26 **Time:** 20:51
Dilution Factor: 1.38

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	ND	0.45	1.36	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	62				
File Name:	2614462A	B		**SF:**	2
Description:	T-506			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	10:31	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:51	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	760				
Can Factor	1.38				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**4.11E+03**

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CALCULATIONS

ASTM D3416 Methane by GC/FID

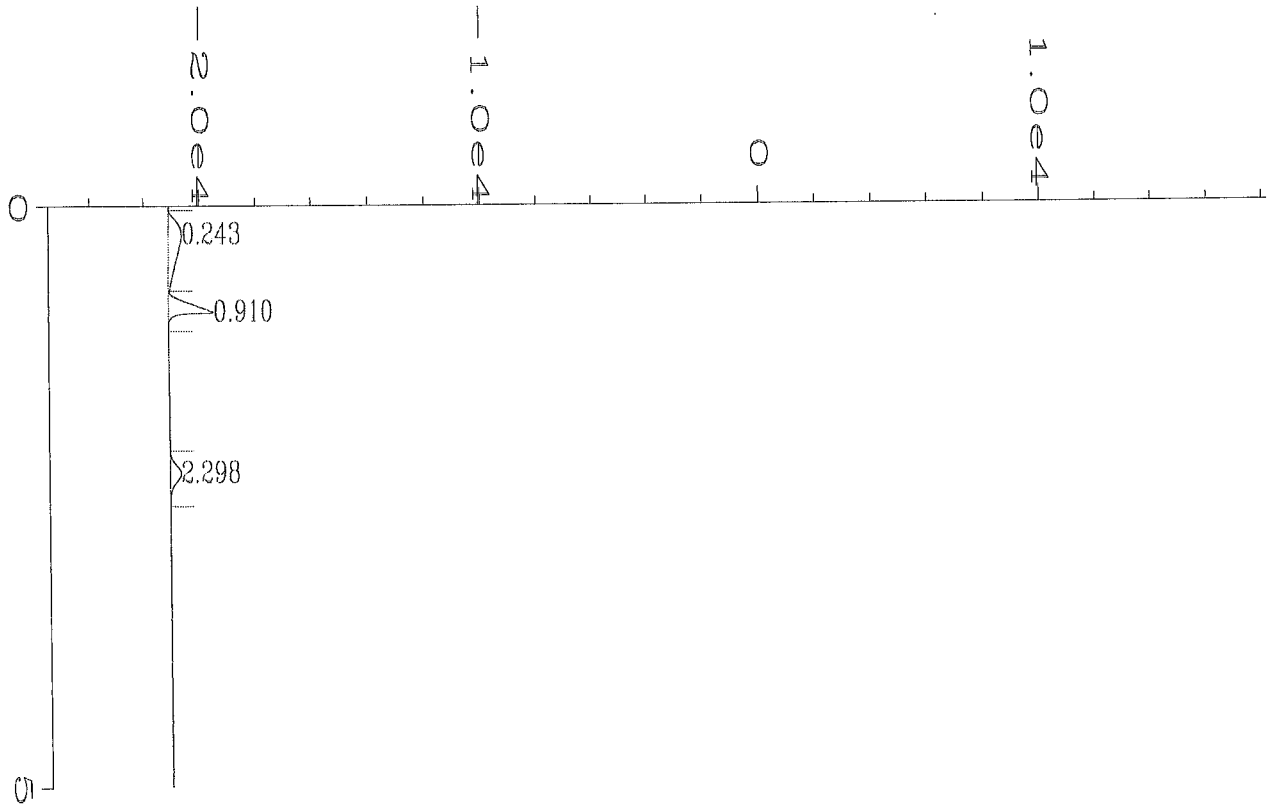
File Name: 2614462A
QCBatch 090126-GCL
Can Factor 1.38
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.38
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.53	ND	ND	0		0.50	0.69	2.07	0.69	2.07	0.45	1.36	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614462A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-506
Run Time Bar Code:
Acquired on : 01 Sep 26 08:51 PM
Report Created on: 02 Sep 26 04:59 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614462A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.243	10943	460	BV	0.302	45.3871
2	0.910	9059	1638	VB	0.071	37.5748
3	2.298	4108	390	BV	0.128	17.0381

Total area = 24110

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **63**

Client ID T-507

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Can/Tube#: 696
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 09/01/26 **Time:** 20:57
Dilution Factor: 1.33

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.67	2.00	42.58	0.44	1.31	27.92	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	63				
File Name:	2614463A	B		**SF:**	2
Description:	T-507			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	10:37	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	20:57	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	696				
Can Factor	1.33				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**3.40E+05**

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CALCULATIONS

ASTM D3416 Methane by GC/FID

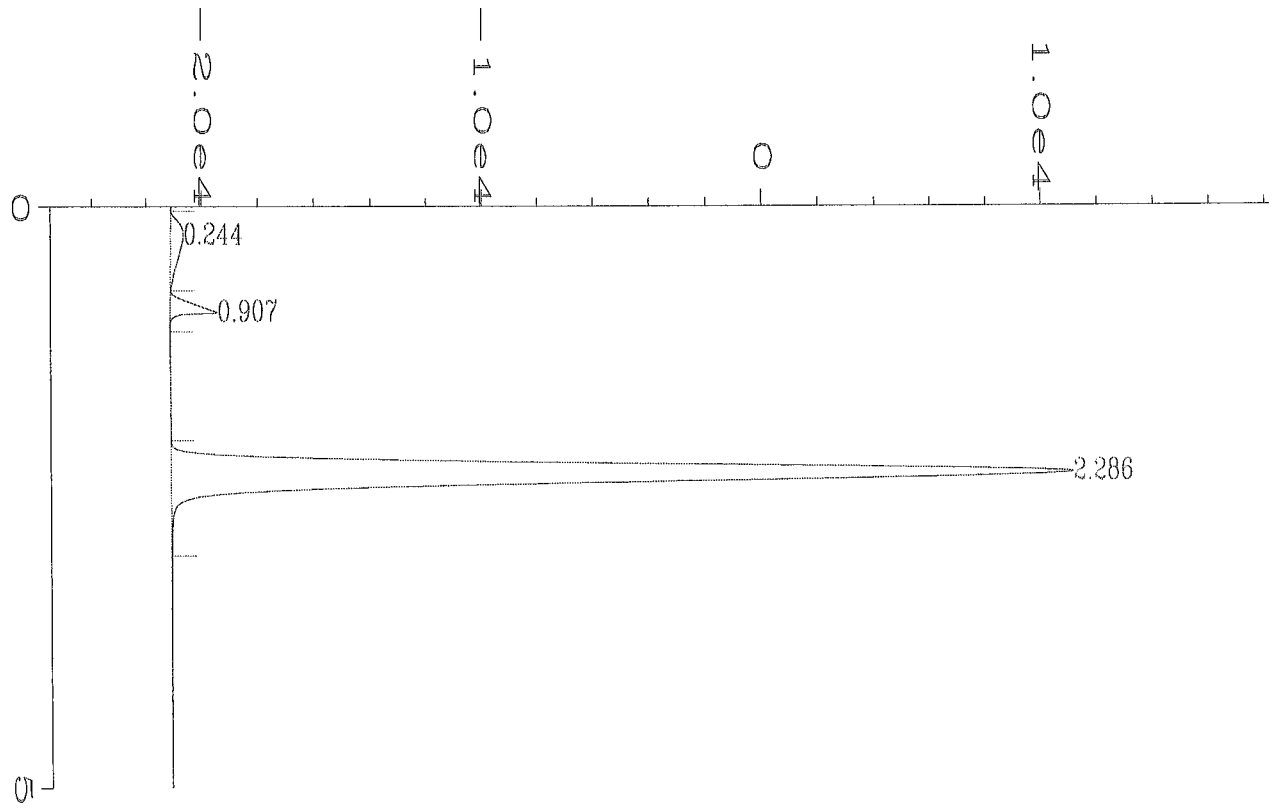
File Name: 2614463A
QCBatch 090126-GCL
Can Factor 1.33
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.33
Gas Constant: 24.4
Decimal Places: 2

SDG: 226144

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	42.58	42.58	27.92	27.92	27.92	0.50	0.67	2.00	0.67	2.00	0.44	1.31	

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614463A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-507
Run Time Bar Code:
Acquired on : 01 Sep 26 08:57 PM
Report Created on: 02 Sep 26 04:59 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614463A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.244	10261	459	BV	0.283	2.8515
2	0.907	9510	1708	VB	0.073	2.6429
3	2.286	340056	32232	BB	0.159	94.5056

Total area = 359827

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **64**

Client ID T-508

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ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 64

File Name:	2614464A	**Date Sampled:**	07/24/26	**Time:**	10:33
Description:	T-508	**Date Analyzed:**	09/01/26	**Time:**	21:02
Can/Tube#:	768	**Dilution Factor:**	1.38		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	860.61	0.45	1.36	564.33	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	64				
File Name:	2614464A	B		**SF:**	2
Description:	T-508			Not Detected Flag:	ND
Date Sampled:	07/24/26	**Time:**	10:33	Matrix	AA
Date Received:	07/24/26	**Time:**	16:10	Type	TRG
Date Analyzed:	09/01/26	**Time:**	21:02	Instrument	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	768				
Can Factor	1.38				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**6.66E+06**

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CALCULATIONS

ASTM D3416 Methane by GC/FID

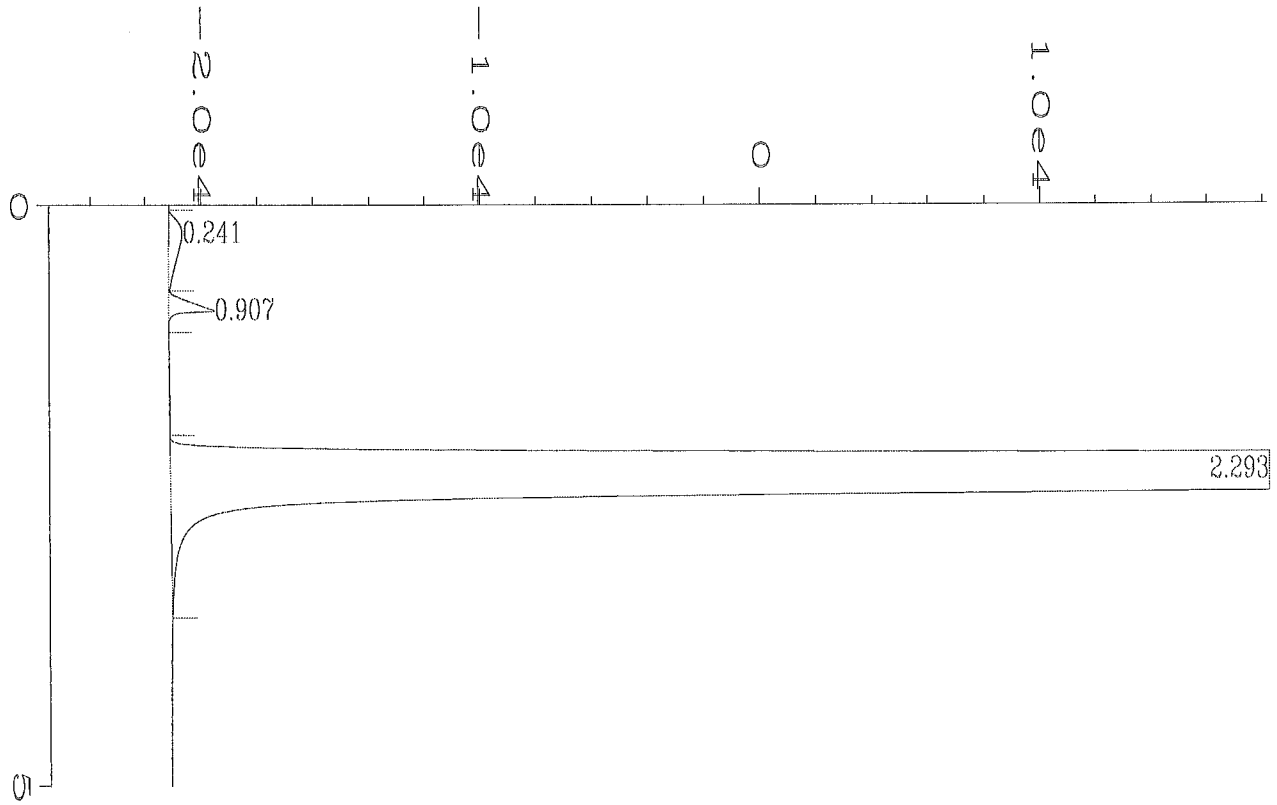
File Name: 2614464A
QCBatch 090126-GCL
Can Factor 1.38
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.38
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** **=>** L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	860.61	860.61	564.33	564.33	564.33	0.50	0.69	2.07	0.69	2.07	0.45	1.36	

EPA Qual	Det Qual	Rpt
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614464A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-508
Run Time Bar Code:
Acquired on : 01 Sep 26 09:02 PM
Report Created on: 02 Sep 26 04:59 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614464A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.241	10791	464	BV	0.292	0.1616
2	0.907	8951	1629	VB	0.070	0.1340
3	2.293	6658127	631746	BB	0.164	99.7044

Total area = 6677870

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Sample Data Packages

SDG Number 226144

Lab Id Number 65

Client ID T-509

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 65

File Name:	2614465A	**Date Sampled:**	07/24/26	**Time:**	11:47
Description:	T-509	**Date Analyzed:**	09/01/26	**Time:**	21:08
Can/Tube#:	837	**Dilution Factor:**	1.38		
QC_Batch:	090126-GCL				

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.69	2.07	ND	0.45	1.36	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	65				
File Name:	2614465A	B		**SF:**	2
Description:	T-509			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	11:47	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	21:08	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	837				
Can Factor	1.38				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.21E+03**

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ASTM D3416 Methane by GC/FID

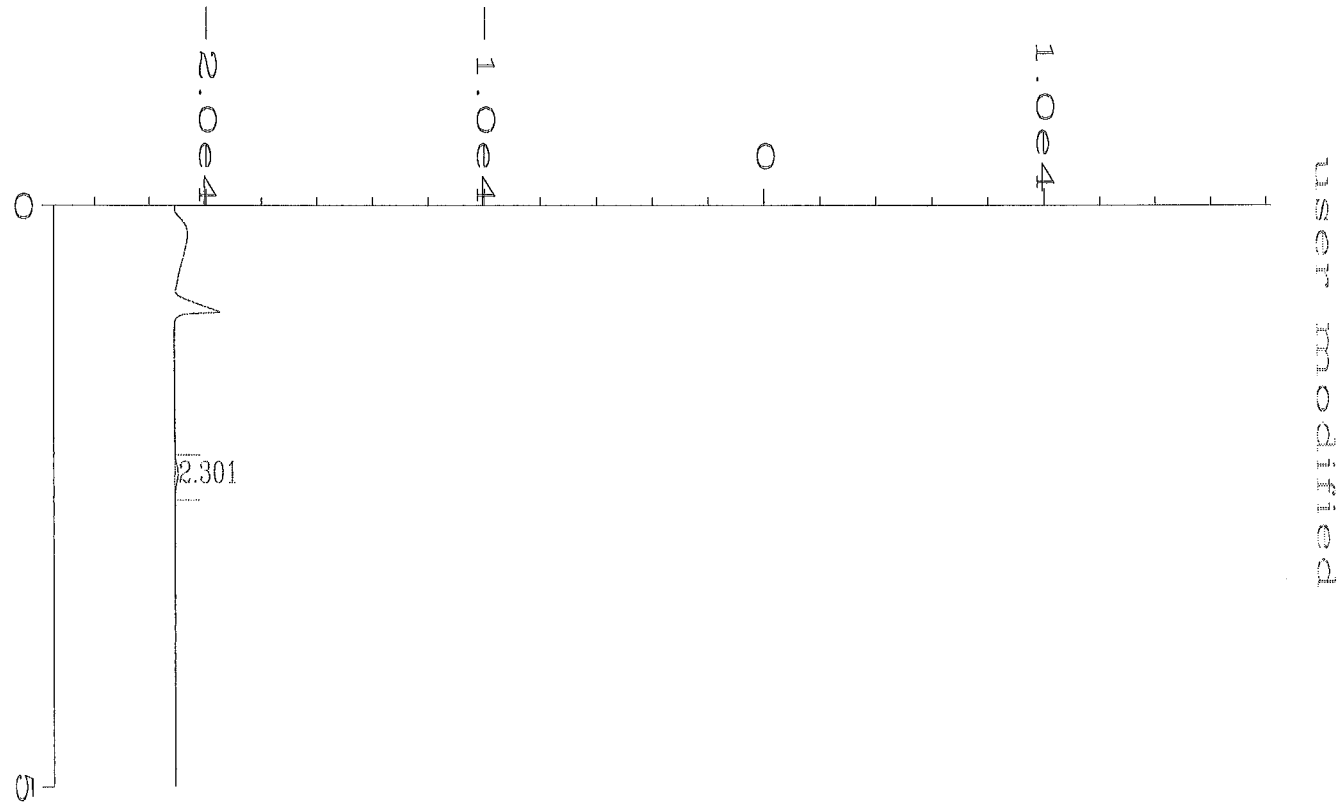
File Name: 2614465A
QCBatch 090126-GCL
Can Factor 1.38
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.38
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** **=>** L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.16	ND	ND	0		0.50	0.69	2.07	0.69	2.07	0.45	1.36	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614465A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-509
Run Time Bar Code:
Acquired on : 01 Sep 26 09:08 PM
Report Created on: 02 Sep 26 05:00 PM
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614465A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.301	1205	113	MM	0.177	100.0000

Total area = 1205

User Modified

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Sample Data Packages

SDG Number **226144**

Lab Id Number **66**

Client ID T-510

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Can/Tube#: 647
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:14
Dilution Factor: 1.25

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.63	1.88	ND	0.41	1.23	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	66				
File Name:	2614466A	B		**SF:**	2
Description:	T-510			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	11:44	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	21:14	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	647				
Can Factor	1.25				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**4.41E+03**

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ASTM D3416 Methane by GC/FID

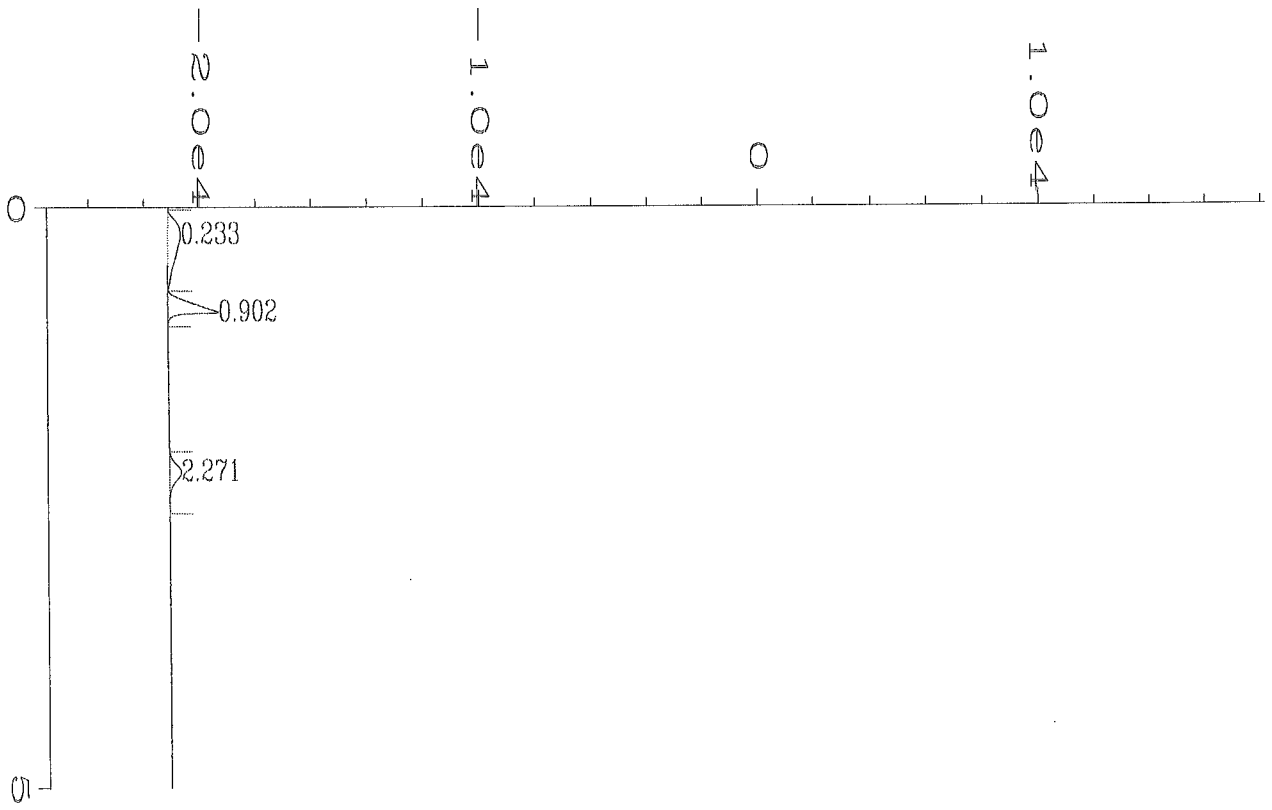
File Name: 2614466A
QCBatch 090126-GCL
Can Factor 1.25
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.25
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: L10 => L9 = Daily Calibration RF: 9906
RL Factor: 3 L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.52	ND	ND	0		0.50	0.63	1.88	0.63	1.88	0.41	1.23	U

EPA Qual	Det Qual	Rpt
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614466A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-510
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:14 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 05:00 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614466A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.233	10213	458	BV	0.280	40.5464
2	0.902	10562	1848	VV	0.074	41.9304
3	2.271	4414	423	BB	0.131	17.5232

Total area = 25188

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **67**

Client ID T-511

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Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Can/Tube#: 786
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 09/01/26 **Time:** 21:19
Dilution Factor: 1.31

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.97	ND	0.43	1.29	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	67				
File Name:	2614467A	B		**SF:**	2
Description:	T-511			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	11:40	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	21:19	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	786				
Can Factor	1.31				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**1.72E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

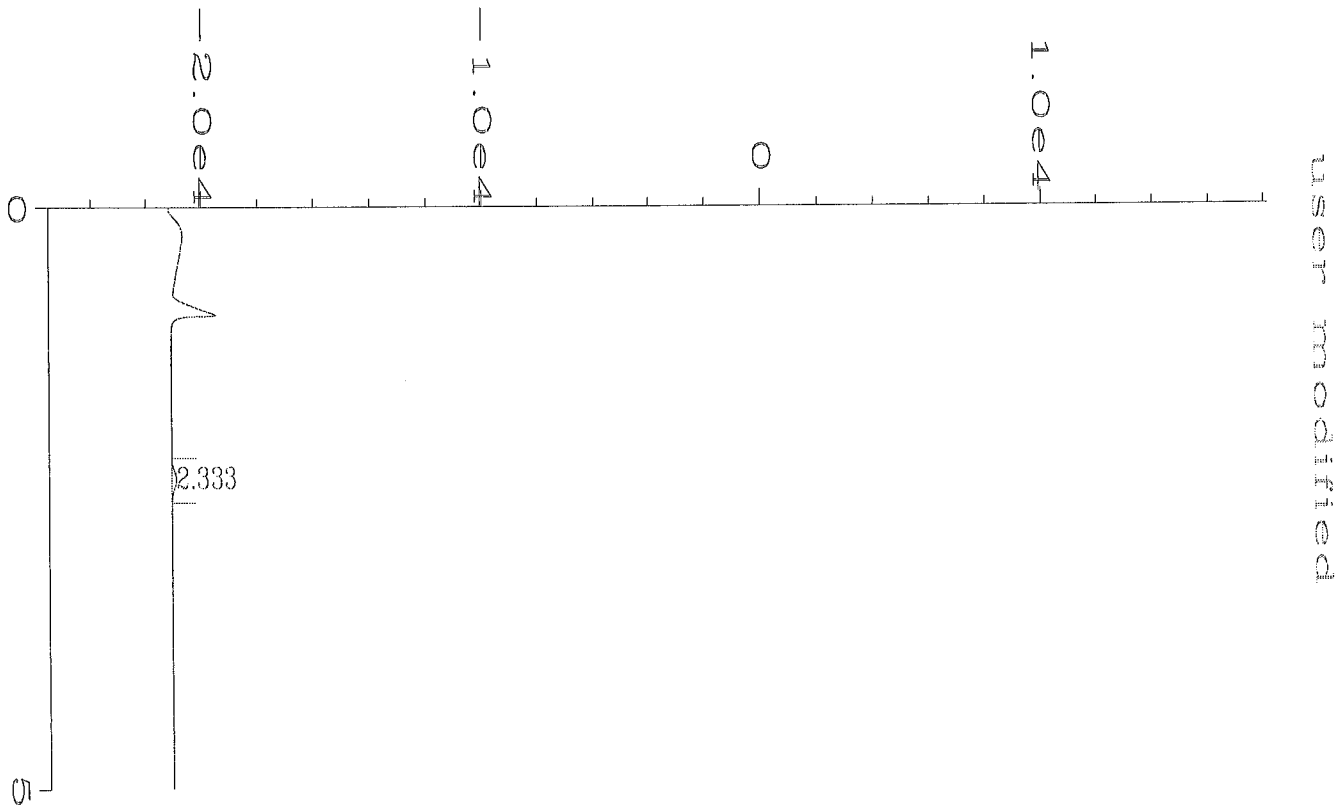
File Name: 2614467A
QCBatch 090126-GCL
Can Factor 1.31
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.31
Gas Constant: 24.4
Decimal Places: 2

SDG: **226144**

Calibration: **L10** **=>** L9 = Daily Calibration RF: 9906
RL Factor: **3** L10 = Curve RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.21	ND	ND	0		0.50	0.66	1.97	0.66	1.97	0.43	1.29	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614467A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-511
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:19 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 05:00 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614467A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.333	1718	165	MM	0.174	100.0000

Total area = 1718

User Modified

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **68**

Client ID T-512

Analytical Method ASTM D3416

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Sample Calculations
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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Can/Tube#: 877
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:25
Dilution Factor: 1.44

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.72	2.17	ND	0.47	1.42	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	68				
File Name:	2614468A	B		**SF:**	2
Description:	T-512			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	11:44	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	21:25	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	877				
Can Factor	1.44				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**5.26E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614468A
QCBatch 090126-GCL
Can Factor 1.44
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.44
Gas Constant: 24.4
Decimal Places: 2

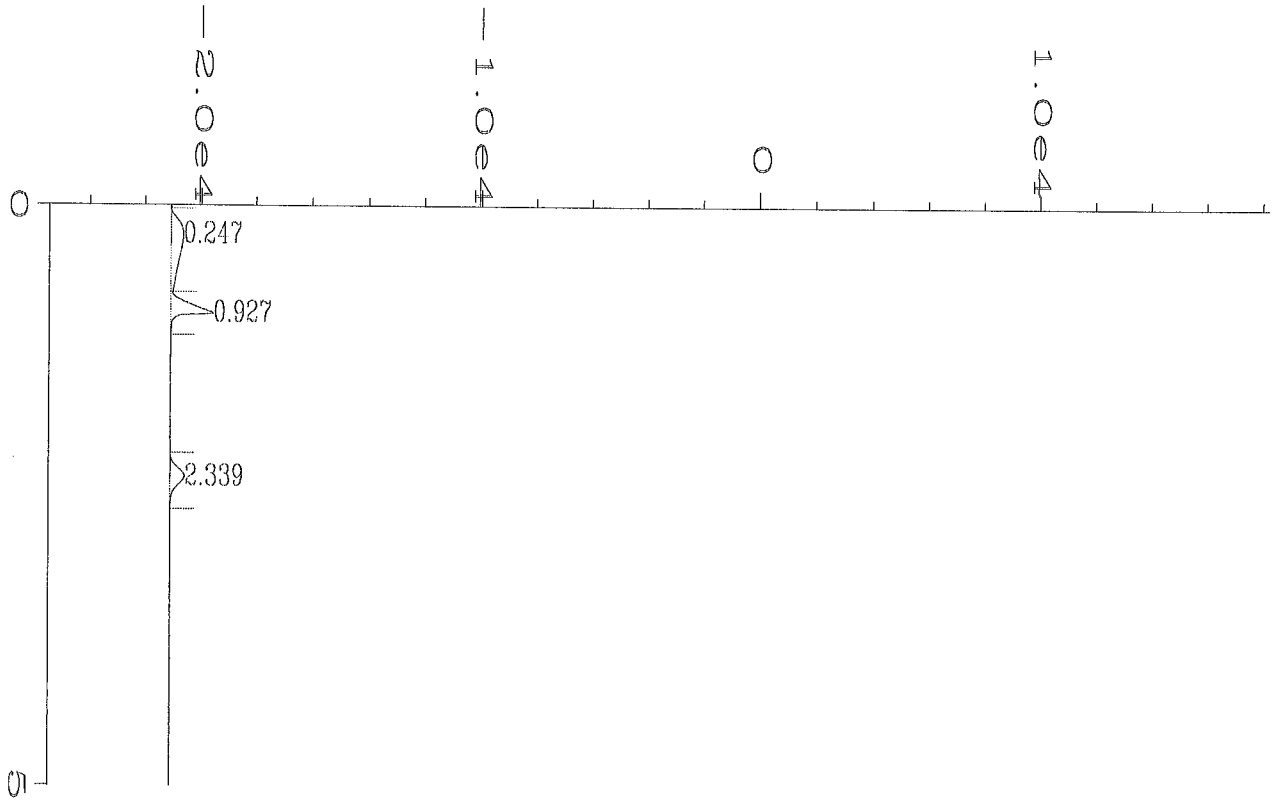
SDG: **226144**

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.71	ND	ND	0		0.50	0.72	2.17	0.72	2.17	0.47	1.42	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614468A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-512
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:25 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 05:00 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614468A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.247	11257	437	BV	0.337	44.5040
2	0.927	8777	1524	VB	0.075	34.6982
3	2.339	5261	505	BB	0.147	20.7978

Total area = 25295

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **69**

Client ID T-513

Analytical Method ASTM D3416

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Can/Tube#: 892
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 09/01/26 **Time:** 21:30
Dilution Factor: 1.32

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.66	1.99	ND	0.43	1.30	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	69				
File Name:	2614469A	B		**SF:**	2
Description:	T-513			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	11:48	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	21:30	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	892				
Can Factor	1.32				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**5.13E+03**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614469A
QCBatch 090126-GCL
Can Factor 1.32
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.32
Gas Constant: 24.4
Decimal Places: 2

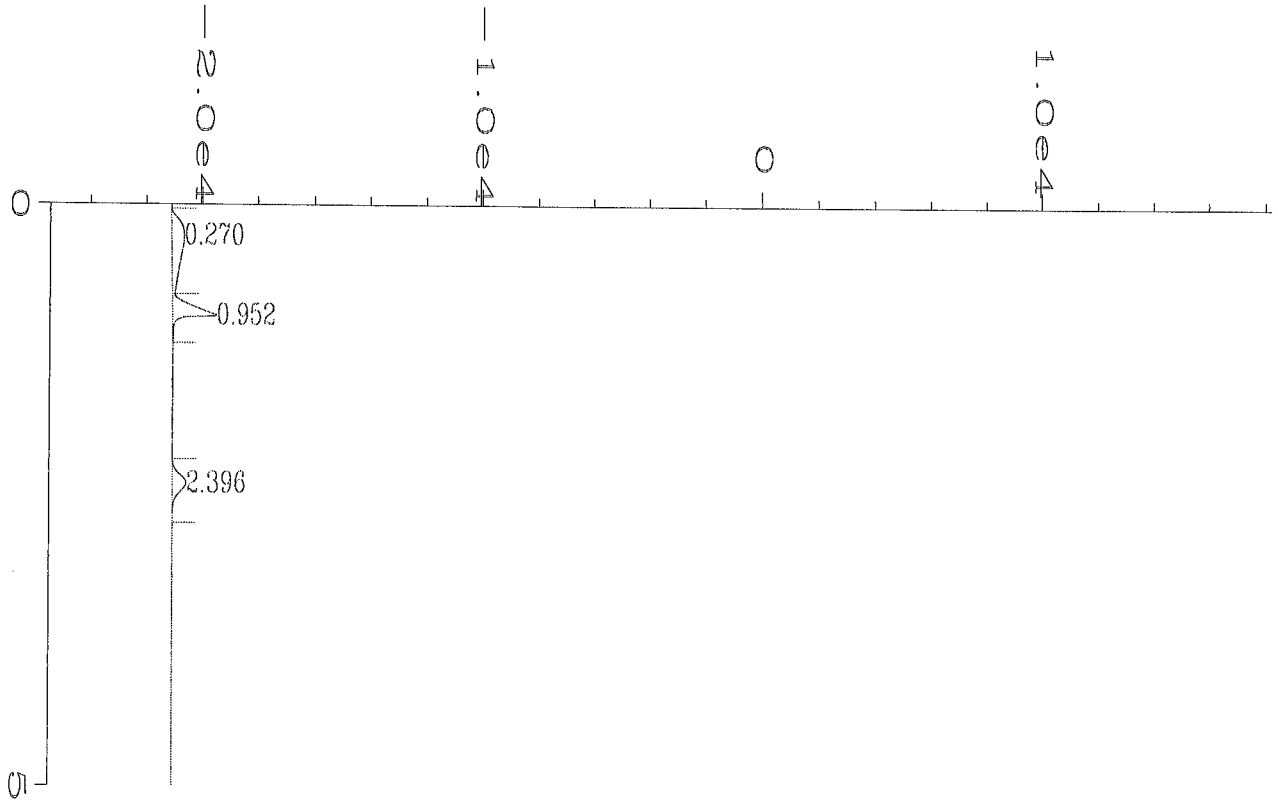
SDG: **226144**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: **3** L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.64	ND	ND	0		0.50	0.66	1.99	0.66	1.99	0.43	1.30	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614469A.D
Operator : SW
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : T-513
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:30 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 05:01 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614469A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.270	11995	448	BV	0.329	45.2467
2	0.952	9390	1577	VB	0.077	35.4192
3	2.396	5125	485	BB	0.131	19.3341

Total area = 26510

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **70**

Client ID T-514

Analytical Method ASTM D3416

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID

Modified Analytical Method: ASTM D3416

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Can/Tube#: 775
QC_Batch: 090126-GCL

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 21:36
Dilution Factor: 1.43

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.71	2.14	ND	0.47	1.40	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	226144			**Method:**	ASTM D3416
Lab Id:	70				
File Name:	2614470A	B		**SF:**	2
Description:	T-514			**Not Detected Flag:**	ND
Date Sampled:	07/24/26	**Time:**	12:05	**Matrix**	AA
Date Received:	07/24/26	**Time:**	16:10	**Type**	TRG
Date Analyzed:	09/01/26	**Time:**	21:36	**Instrument**	GCL
QCBatch	090126-GCL			**Volume:**	5.0
Type	SA				
Can Number	775				
Can Factor	1.43				

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**0.00E+00**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: 2614470A
QCBatch 090126-GCL
Can Factor 1.43
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.43
Gas Constant: 24.4
Decimal Places: 2

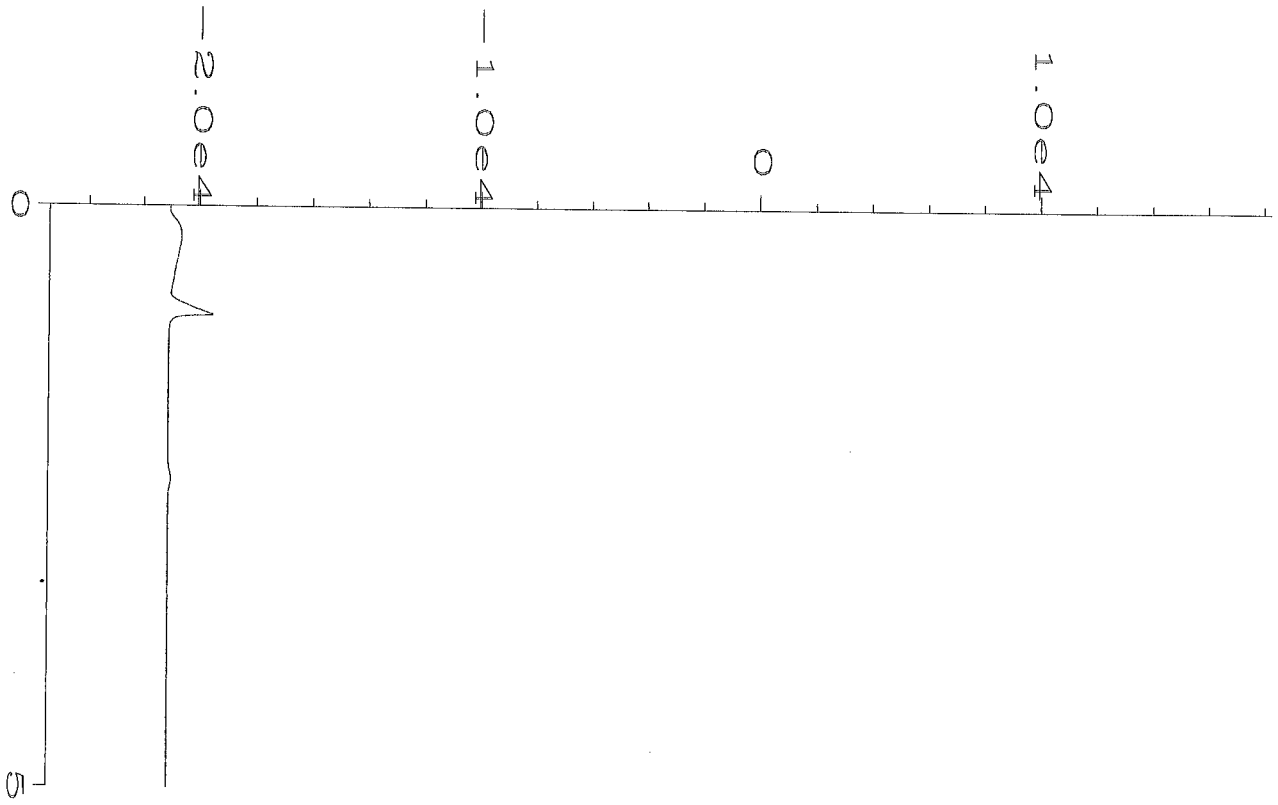
SDG: **226144**

Calibration: L10 => L9 = Daily Calibration
RL Factor: 3 L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.00	ND	ND	0		0.50	0.71	2.14	0.71	2.14	0.47	1.40	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\2614470A.D
Operator : SW
Instrument : ANALYZER1
Sample Name : T-514
Run Time Bar Code:
Acquired on : 01 Sep 26 09:36 PM
Report Created on: 02 Sep 26 05:01 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\2614470A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %

No results to report

==========

Method Blank Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Method Blank QC Batch report for each DAB in this SDG.

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D3416 Methane by GC/FID
Modified Analytical Method: ASTM D3416

SDG: LABQC
Laboratory Number: B09016

File Name: B09016B
Description: METHOD BLANK
Can/Tube#: 307
QC_Batch: 090126-GCL

Date Sampled:
Date Analyzed: 09/01/26
Dilution Factor: 1.00

Time:
Time: 13:18

CAS#	Compound	MDL ppmv	RL ppmv	Result ppmv	MDL mg/m3	RL mg/m3	Result mg/m3	Flag
74-82-8	Methane	0.50	1.50	ND	0.33	0.98	ND	

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

SDG:	LABQC				**Method:**	ASTM D3416
Lab Id:	B09016					
File Name:	B09016B	B			**SF:**	2
Description:	METHOD BLANK				**Not Detected Flag:**	ND
Date Sampled:	NA	**Time:**	NA		**Matrix**	AA
Date Received:	NA	**Time:**	NA		**Type**	TRG
Date Analyzed:	09/01/26	**Time:**		13:18	**Instrument**	GCL
QCBatch	090126-GCL				**Volume:**	5.0
Type	MB					
Can Number	307					
Can Factor	1.00					

CAS#	Compound	Num	STD RT	STD ppmV	Standard Area	Sample Area
74-82-8	Methane	01	2.74	103.20	**1022280**	**0**

For Data Package Print QUANT, REPORT, CALC

CALCULATIONS

ASTM D3416 Methane by GC/FID

File Name: B09016B
QCBatch 090126-GCL
Can Factor 1.00
Volume: 5.00 ml
Base Volume 5.00 ml
Dilution Factor 1.00
Gas Constant: 24.4
Decimal Places: 2

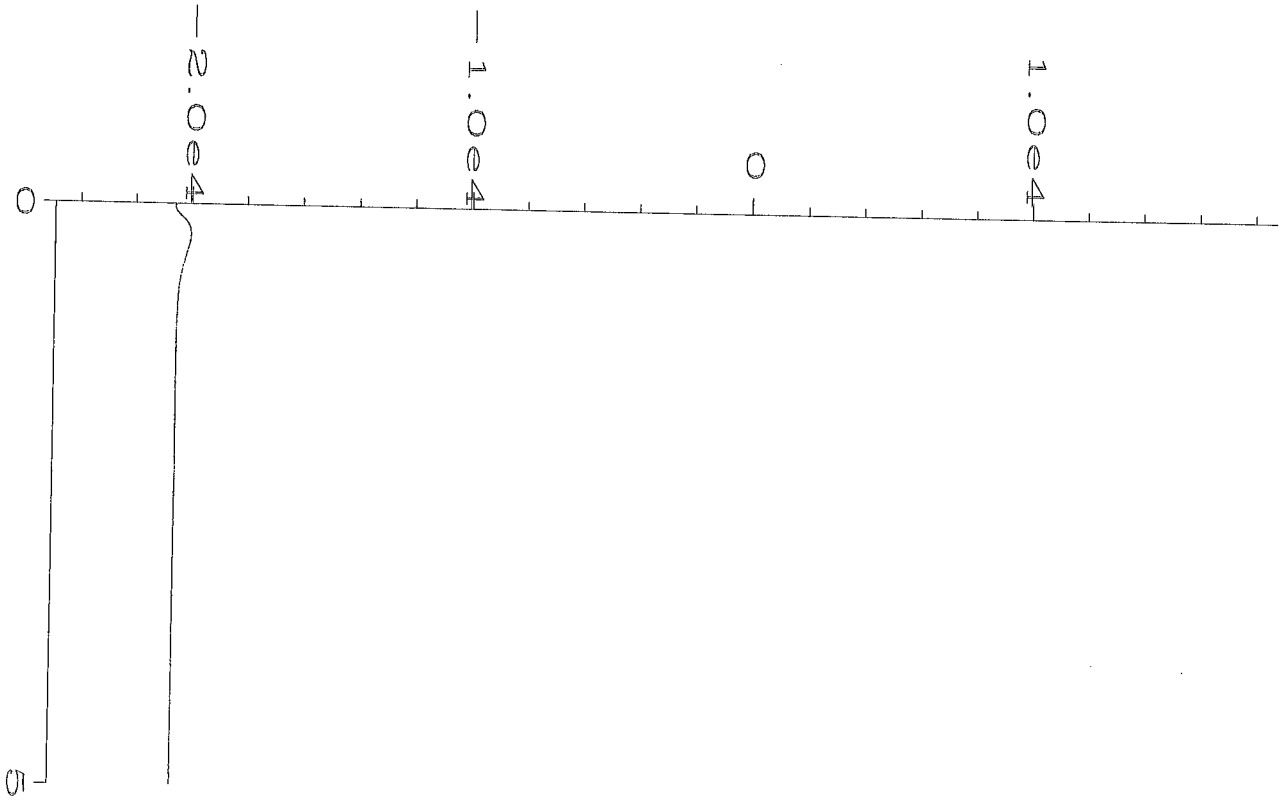
SDG: **LABQC**

Calibration: **L10** => L9 = Daily Calibration
RL Factor: **3** L10 = Curve

RF: 9906
RF: 10660
CAL: 10660

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	0.00	ND	ND	0		0.50	0.50	1.50	0.50	1.50	0.33	0.98	U

EPA Qual	Det Qual	Rpt
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\B09016B.D
Operator : DA
Instrument : ANALYZER1
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 01 Sep 26 01:18 PM
Report Created on: 02 Sep 26 04:43 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\B09016B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %

No results to report

==========

LCS/LCD Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
There will be one LCS/LCD report for each QC Batch (DAB) in this SDG.

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QUALITY CONTROL SPIKE

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D3416 Methane by GC/FID
Analytical Method: **ASTM D3416**

Date: 09/01/26
QC_Batch: 090126-GCL

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
74-82-8	Methane	92		88		70	130	3	25	

LCS- Laboratory Control Spike
LCD - Laboratory Control Duplicate

Flag - Q indicates out of Limit

QUANTITATION REPORT

ASTM D3416 Methane by GC/FID

	LCS	LCD	STD		
File Name:	QC09016A	QC09016C	C09016D	Method:	ASTM D3416
SDG:	LABQC	LABQC		Not Detected Flag:	ND
LCS EAS ID:	QC09016A	QC09016C		SF:	2
Time:	10:45	10:37		Instrument:	GCL
Date Analyzed:	09/01/26			DAB:	0901
QCBatch:	090126-GCL				09016
Methane Std Area	1.10E+07	B			
Matrix	AA				
Chem	TRG				
Description	ST63414				
Can Factor:	1.00				
Volume:	5.00	ml	D	Unit Factor	1000

					A	C
CAS#	Compound	STD CONC	STD AREA	Samp RT	LCS Area	LCD Area
74-82-8	Methane	103.20	1022280	1.63	19590	18958
		ST62408	1293306			
		RSD	16.553			

6
7
8 -GCL
9
0

CALCULATIONS

ASTM D1945 Fixed Gas CH4 by FID

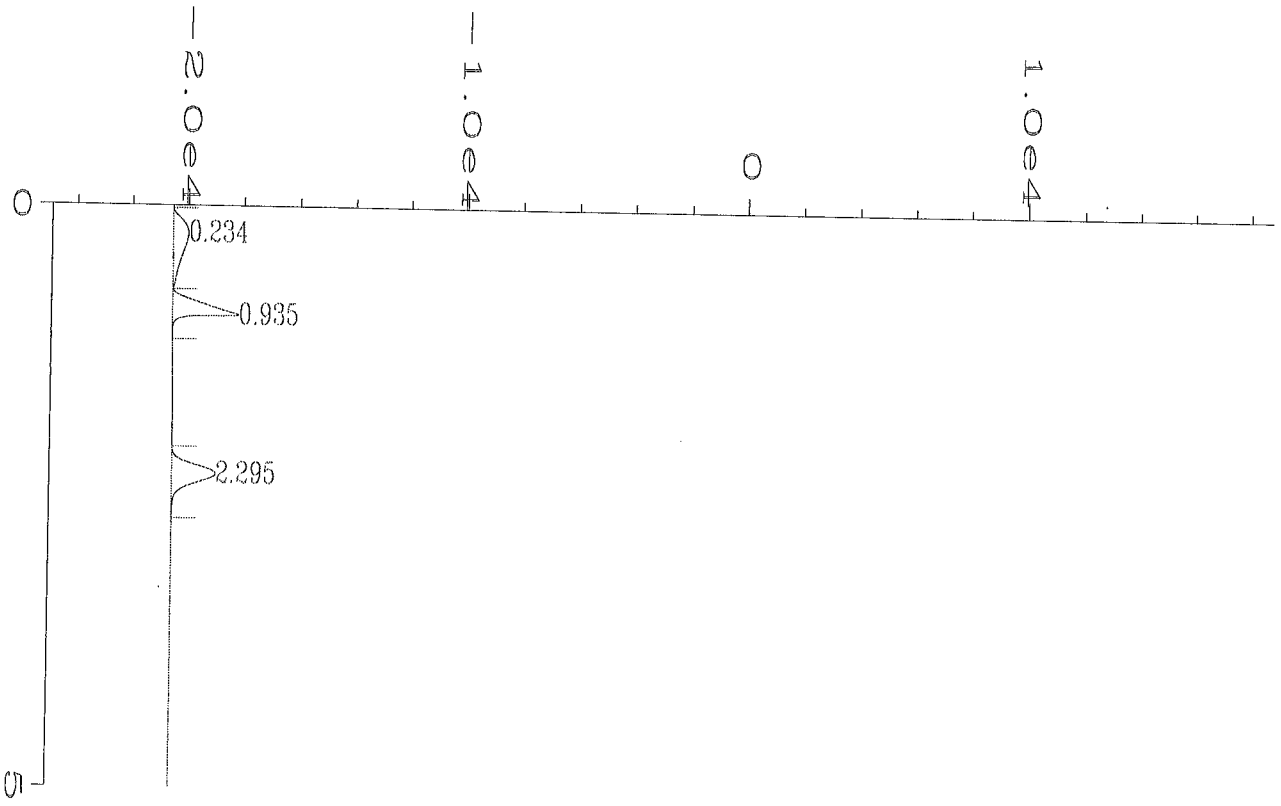
File Name:	QC09016A		**SDG:**	**LABQC**			
QCBatch	090126-GCL						
Can Factor	1.00		**Calibration:**	L9	=>	L9 = Daily Calibration	RF: 8571
Volume:	5.00		**RL Factor:**	3		L10 = Curve	RF: 6888
Base Volume	5	ml					
Dilution Factor	1.00		**Flux Factor:**	0.0385		0.004	
Gas Constant:	23.68						
Decimal Places:	2						

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	2.29	2.29	1.54	1.54	1.54	0.1	0.10	0.300	0.10	0.30	0.07	0.20	

Compound	MW	Curve Result ppmv	Fixed ResultV ppmv	Fixed Result mg/m3	ResultQ mg/m3	ResultG mg/m3	MDL ppmv	Calc MDL ppmv	Calc RL ppmv	Fixed MDL ppmv	Fixed RL ppmv	Fixed MDL mg/m3	Fixed RL mg/m3	Lab Qual
Methane	16.00	2.21	2.21	1.49	1.49	1.49	0.1	0.10	0.300	0.10	0.30	0.07	0.20	

EPA Qual	Det Qual	Rpt
	=	Y

EPA Qual	Det Qual	Rpt
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016D.D
Operator : DA
Instrument : ANALYZER1
Sample Name : ABT AIR
Run Time Bar Code:
Acquired on : 01 Sep 26 01:06 PM
Report Created on: 02 Sep 26 04:42 PM

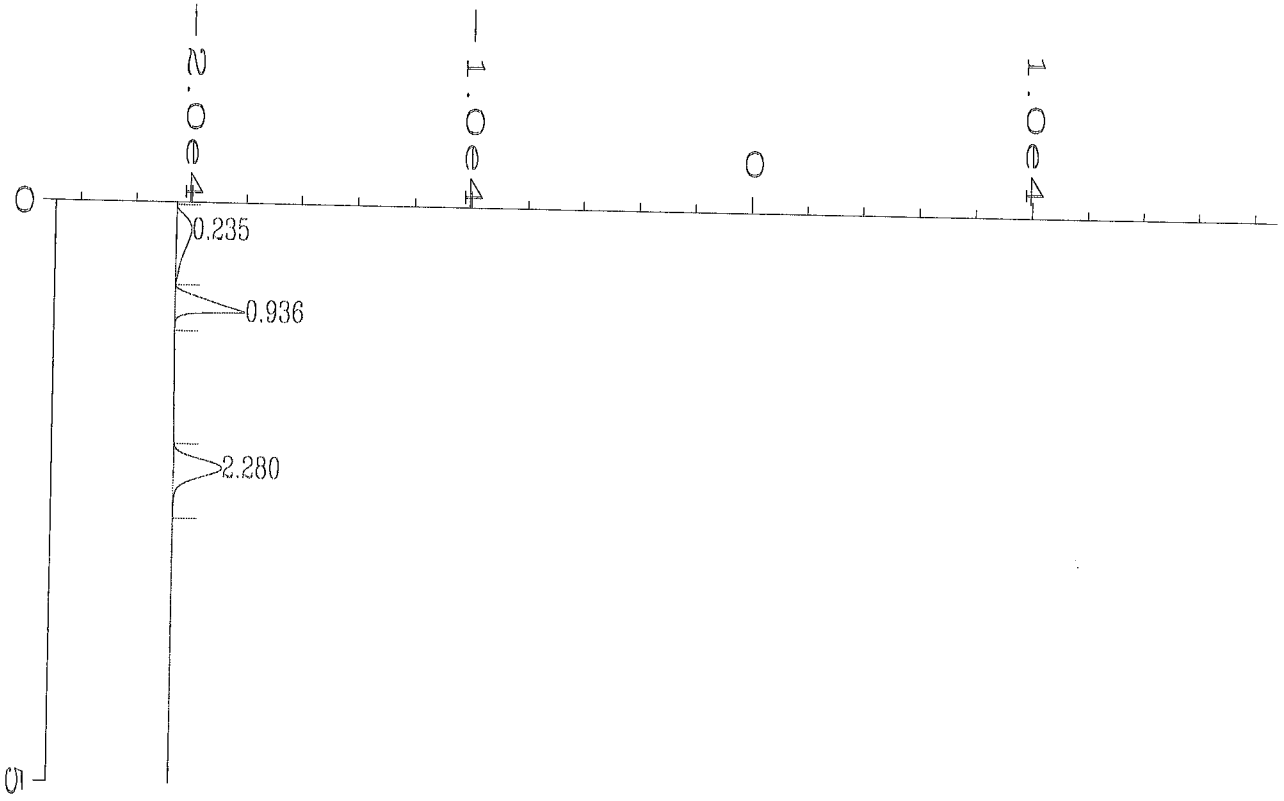
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016D.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.234	11940	546	BV	0.273	27.0163
2	0.935	15411	2401	VB	0.083	34.8718
3	2.295	16843	1568	BB	0.140	38.1120

Total area = 44194

==========



Area Percent Report

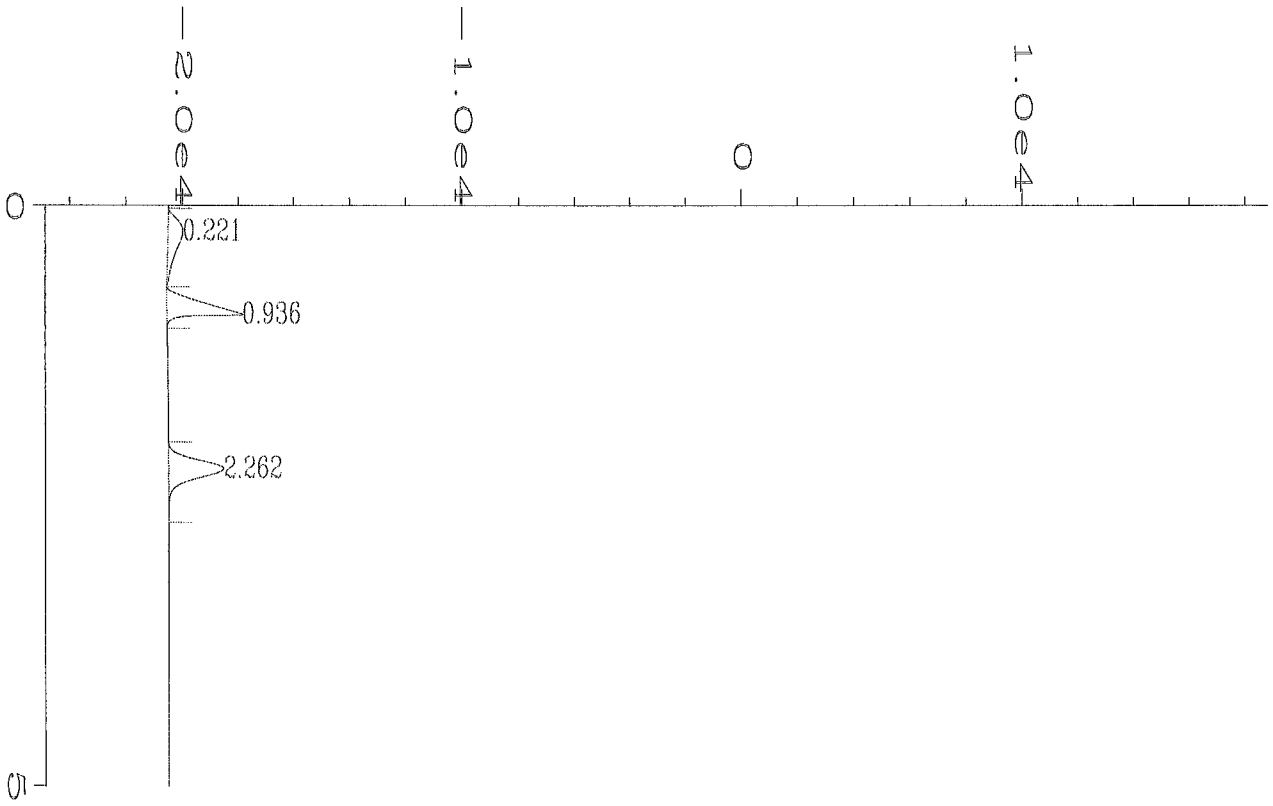
Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016C.D
Operator : DA
Instrument : ANALYZER1
Sample Name : ABT AIR
Run Time Bar Code:
Acquired on : 01 Sep 26 01:00 PM
Report Created on: 02 Sep 26 04:42 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: 3416CH4.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.235	11188	546	BV	0.251	23.5780
2	0.936	17306	2569	PB	0.085	36.4694
3	2.280	18958	1756	BB	0.159	39.9526

Total area = 47452



==========

Area Percent Report

==========

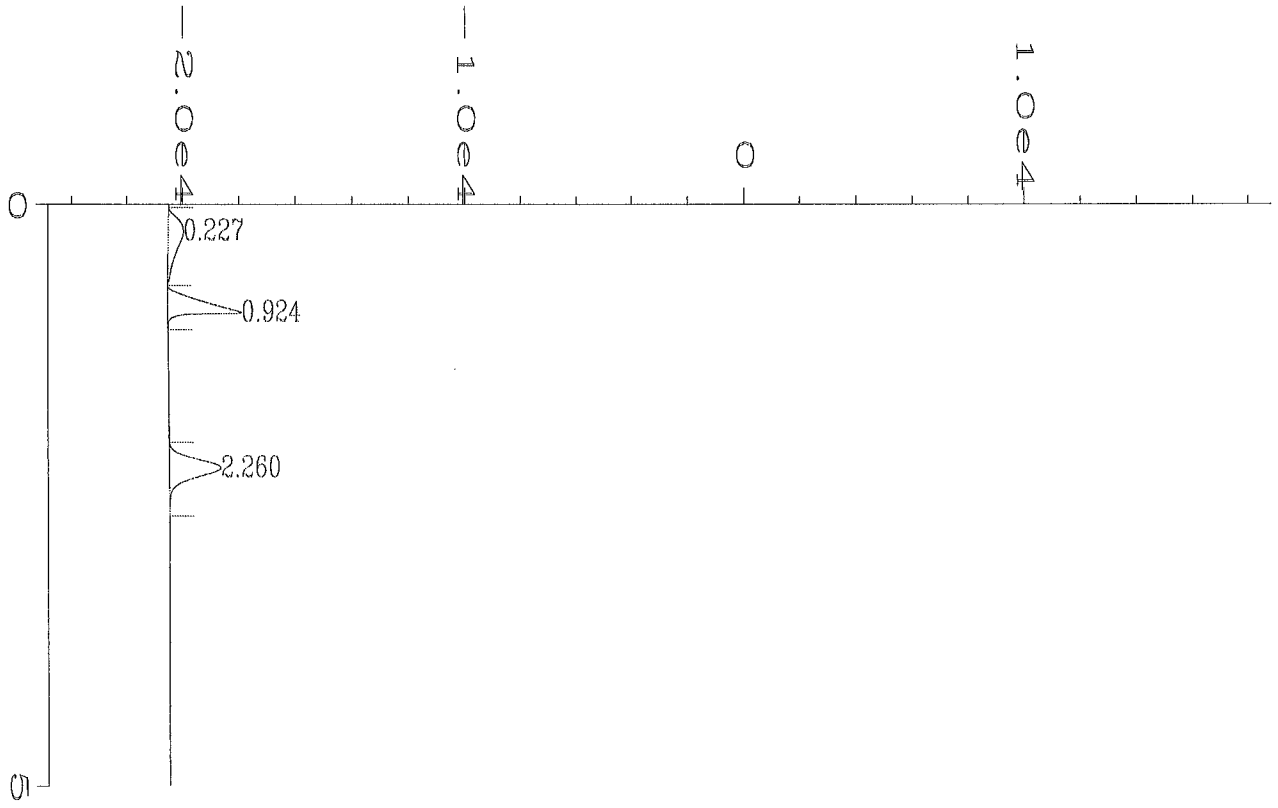
Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016B.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : ABT AIR
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 12:55 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:42 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.221	10569	538	BV	0.242	20.5918
2	0.936	19269	2744	PB	0.094	37.5417
3	2.262	21489	1967	BB	0.152	41.8664

Total area = 51327

==========



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016A.D
Operator : DA
Page Number : 1
Instrument : ANALYZER1
Vial Number :
Sample Name : ABT AIR
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 12:48 PM
Instrument Method: 3416CH4.MTH
Report Created on: 02 Sep 26 04:42 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCL\09016GCL\QC09016A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.227	10703	538	BV	0.243	22.3314
2	0.924	17635	2615	PB	0.084	36.7946
3	2.260	19590	1814	BB	0.158	40.8741

Total area = 47928

==========

Continuing Calibration Data Package

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Continuing Calibration QC Batch report for each DAB in this SDG.

Index

Analytical Report
Quantitation Report
Calculations
Sample Calculations
Chromatogram

CONTINUING CALIBRATION REPORT

SDG: **LABQC**
QC_Batch: **090126-GCL**
Sample Analysis Date: 09/01/26
ICAL Date: 09/01/26

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|_i$

2) CCRRF = $\left|\frac{(Astdni)}{(Cstdni)}\right|$

C03246B ST61726

Compound	Area Astdi	Cal Level Cstdi Ml	CCRRF	AvgRFn	ICal RFn C Ratio	%Dev	%Dev Limit	%Dev Flag
Methane	1022280	103.200	9906	10660	31979	7.1	30	IN

Initial Calibration Data Packages

Samples were analyzed using the methods listed in Section 3. For each of the methods there is an Initial Calibration Curve that meets the criteria defined in Section 2 on Quality Control for the modified method.

Index

Response Factors
Quant Report

INITIAL CALIBRATION REPORT

ASTM D3416 Methane by GC/FID

ASTM D3416 Methane by GC/FID

QC_Batch: 090126-GCL
ICAL Date: **09/01/26**

Calibration Amount CA, ppmv

	Level 1	Level 2	Level 3	**Level 4**	Level 6
	ST63416	ST63415	ST62407	**ST63414**	AMBIENT
Compound	29.8	59.6	119.27	**1032.00**	1.820
Methane	29.80	51.60	103.20	**1032.00**	1.820

Calibration Response, Area

	Level 1	Level 2	Level 3	Level 4	Level 6
	C04086F	C09016E	C09016D	C09016B	QC12085
	29.80	51.6	103.20	1032.00	AMBIENT
	296369	592738	1099889	10988700	19220
	2.5%	5%	10%		

Secondary Standard

	29.8	59.64	119.27	1032	AMBIENT
4/22/2024	397997	783566	1703621	20583700	28758
12/6/2024	197247	394494	822005	7836188	15212.25
3/18/2025	186881	373762	659170	6645083	11760
3/24/2025	190009	380018	724529	6494578	13820.5
8/5/2025	407602	815204	1699812	12992300	28096.5
8/8/2025	369115.5	738231	1625770	15267500	27111
4/8/2026	305426.5	610853	1207802	11088200	21097.75

Secondary Standard prepared from an independent source.
Secondary Standard was included in curve
Ambient Air QC Standard was included in curve.

QC09016
19590 A
21489 B
18958 C
16843 D

INITIAL CALIBRATION REPORT: Response Factors

ASTM D3416 Methane by GC/FID

QC_Batch: 090126-GCL
ICAL Date: **09/01/26**

Sample Calculation:

1) Avg RFn = Sum $\left| \frac{(Astdni)}{(Cstdni)} \right|_i$

Response Factors

Compound	RF1	RF2	RF3	RF4	RF5	AvgRFn	%RSD
Methane	9945	11487	10658	10648	10560	10660	5

Section 5 Standard Calibration Certificates

This section contains the Standard Calibration Certificates for the Standards and Internal Standards.

Section Contents

Standard Calibration Certificates

STANDARD PREPARATION WORKSHEET

Instructions: Enter the compound name and date then desired ppmV for final Standard. Check mass and volume to make sure they are in a measurable range.
Checked and Validated on 8/27/1999

Description: Methane Standard
Volume of Air (Est.): 935 ml

Standard	CAS
Methane	74-82-8

Standard Preparation

	Primary	Dilution 1	Dilution 2
Standard ID:	ST63324	ST63414	ST63414
Date Prepared:		4/22/2024	04/22/24
Container ID:	Blue Scotty		Blue Scotty
Analyst:	SH	20	1
		19381	1
		290	
	Factor	0.001032	1.000000
	Conc ppmv	Conc ppmv	Conc ppmv
Methane	1000000	1031.9610	1031.96

STANDARD CERTIFICATE
CALIBRATION GAS STANDARD

Standard ID: ST63414 **Date Prepared: 4/22/24**

Description: Methane Standard
Canister: Blue Scotty
Analyst: SH
Expiration Date: 4/21/29

Component	CAS No	Concentration
Methane	74-82-8	1032

•This Analysis is NIST Traceable by either measurement or weight•

Analyst: _____ _____

The stability of gas standards cannot be guaranteed and EAS will only be liable for replacement or reanalysis if the standard changes in six months from analysis date.

Section 6 Miscellaneous Documents

This section contains additional documents that pertain to the project.

Section Contents

Additional Project Documents as Required

ENVIRONMENTAL
Analytical Service, Inc.

Analytical Report

Project Name:

Chiquita Canyon

EAS SDG Number: 226144

Client Project Manager: Chuck Schmidt

Prepared For:
C.E. Schmidt
19200 Live Oak Road
Red Bluff CA 96080

Project Number: 17807
Sample Event Date: 7/20-7/24/2026
Received Date: 7/24/2026
Report Date: 9/1/2026

Project Number: ASTM 1945 PG
PO Number:

This is the Laboratory Report for the samples in the indicated Sample Delivery Group (SDG). Each sample received in the group is assigned a Laboratory ID number. The combination of the SDG number and the Lab ID number is an unique identifier for the sample.

This Report Contains:

Laboratory Work Order
Project Sample Media
Laboratory Case Narrative and Chain of Custody
Method Description (when applicable)
Quality Control Reports
Analytical Reports

NELAC Certification: Florida E871125

173 Cross Street, San Luis Obispo, CA 93401 (805) 781-3585

Section 1 Project Summary

The following pages provide detailed information about the sample receipt, log-in, and sample preparation. The Laboratory Work Order provides a cross reference between the Client ID number and the EAS Lab Number as well as a list of the analytical tests preformed. The items included in this section are listed below.

Section Contents

Laboratory Work Order

Sample Data

Laboratory Case Narrative

Chain of Custody

Laboratory Work Order

SDG Number: 226144
Client: Chuck Schmidt
C.E. Schmidt

Project Number: 17807
Received: 7/24/2026

SAMPLE DESCRIPTION AND ANALYSIS REQUESTED

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-101	226144 1	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-101	226144 1	ASTM D3416 Low Level Methane	7/20/2026
T-101	226144 1	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-101	226144 1	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-101	226144 1	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-102	226144 2	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-102	226144 2	ASTM D3416 Low Level Methane	7/20/2026
T-102	226144 2	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-102	226144 2	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-103	226144 3	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-103	226144 3	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-103	226144 3	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-103	226144 3	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-104	226144 4	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-104	226144 4	ASTM D3416 Low Level Methane	7/20/2026
T-104	226144 4	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-104	226144 4	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-105	226144 5	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-105	226144 5	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-105	226144 5	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-105	226144 5	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-105	226144 5	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-106	226144 6	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-106	226144 6	ASTM D3416 Low Level Methane	7/20/2026
T-106	226144 6	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-106	226144 6	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-107	226144 7	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-107	226144 7	ASTM D3416 Low Level Methane	7/20/2026
T-107	226144 7	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-107	226144 7	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-108	226144 8	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-108	226144 8	ASTM D3416 Low Level Methane	7/20/2026
T-108	226144 8	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-108	226144 8	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-109	226144 9	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-109	226144 9	ASTM D3416 Low Level Methane	7/20/2026
T-109	226144 9	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-109	226144 9	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-109	226144 9	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-110	226144 10	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-110	226144 10	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-110	226144 10	ASTM D3416 Low Level Methane	7/20/2026
T-110	226144 10	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-110	226144 10	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-111	226144 11	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-111	226144 11	ASTM D3416 Low Level Methane	7/20/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-111	226144 11	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-111	226144 11	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-112	226144 12	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-112	226144 12	ASTM D3416 Low Level Methane	7/20/2026
T-112	226144 12	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-112	226144 12	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-113	226144 13	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-113	226144 13	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-113	226144 13	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-113	226144 13	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	ASTM D1945 Hydrogen Confirmation	7/20/2026
T-114	226144 14	ASTM D1945 Permanent Gas Analysis	7/20/2026
T-114	226144 14	ASTM D3416 Low Level Methane	7/20/2026
T-114	226144 14	EPA TO-12 C2 to C12 CRYO	7/20/2026
T-114	226144 14	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/20/2026
T-201	226144 15	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-201	226144 15	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-201	226144 15	ASTM D3416 Low Level Methane	7/21/2026
T-201	226144 15	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-201	226144 15	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-202	226144 16	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-202	226144 16	ASTM D3416 Low Level Methane	7/21/2026
T-202	226144 16	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-202	226144 16	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-202	226144 16	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-203	226144 17	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-203	226144 17	ASTM D3416 Low Level Methane	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-203	226144 17	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-203	226144 17	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-204	226144 18	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-204	226144 18	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-204	226144 18	ASTM D3416 Low Level Methane	7/21/2026
T-204	226144 18	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-205	226144 19	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-205	226144 19	ASTM D3416 Low Level Methane	7/21/2026
T-205	226144 19	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-205	226144 19	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-206	226144 20	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-206	226144 20	ASTM D3416 Low Level Methane	7/21/2026
T-206	226144 20	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-206	226144 20	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-207	226144 21	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-207	226144 21	ASTM D3416 Low Level Methane	7/21/2026
T-207	226144 21	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-207	226144 21	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-207	226144 21	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-208	226144 22	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-208	226144 22	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-208	226144 22	ASTM D3416 Low Level Methane	7/21/2026
T-208	226144 22	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-209	226144 23	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-209	226144 23	ASTM D1945 Hydrogen Confirmation	7/21/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-209	226144 23	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-209	226144 23	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-210	226144 24	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-210	226144 24	ASTM D3416 Low Level Methane	7/21/2026
T-210	226144 24	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-210	226144 24	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-211	226144 25	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-211	226144 25	ASTM D3416 Low Level Methane	7/21/2026
T-211	226144 25	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-211	226144 25	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-212	226144 26	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-212	226144 26	ASTM D3416 Low Level Methane	7/21/2026
T-212	226144 26	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-212	226144 26	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-213	226144 27	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-213	226144 27	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-213	226144 27	ASTM D3416 Low Level Methane	7/21/2026
T-213	226144 27	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D1945 Hydrogen Confirmation	7/21/2026
T-214	226144 28	ASTM D1945 Permanent Gas Analysis	7/21/2026
T-214	226144 28	ASTM D3416 Low Level Methane	7/21/2026
T-214	226144 28	EPA TO-12 C2 to C12 CRYO	7/21/2026
T-214	226144 28	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/21/2026
T-301	226144 29	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-301	226144 29	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-301	226144 29	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-301	226144 29	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-301	226144 29	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-302	226144 30	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-302	226144 30	ASTM D3416 Low Level Methane	7/22/2026
T-302	226144 30	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-302	226144 30	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-303	226144 31	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-303	226144 31	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-303	226144 31	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-303	226144 31	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-304	226144 32	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-304	226144 32	ASTM D3416 Low Level Methane	7/22/2026
T-304	226144 32	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-304	226144 32	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-305	226144 33	ASTM D3416 Low Level Methane	7/22/2026
T-305	226144 33	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-305	226144 33	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-305	226144 33	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-305	226144 33	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-306	226144 34	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-306	226144 34	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-306	226144 34	ASTM D3416 Low Level Methane	7/22/2026
T-306	226144 34	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-306	226144 34	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-307	226144 35	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-307	226144 35	ASTM D1945 Permanent Gas Analysis	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-307	226144 35	ASTM D3416 Low Level Methane	7/22/2026
T-307	226144 35	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-308	226144 36	ASTM D3416 Low Level Methane	7/22/2026
T-308	226144 36	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-308	226144 36	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-308	226144 36	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-309	226144 37	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-309	226144 37	ASTM D3416 Low Level Methane	7/22/2026
T-309	226144 37	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-309	226144 37	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-310	226144 38	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-310	226144 38	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-310	226144 38	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-310	226144 38	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-311	226144 39	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-311	226144 39	ASTM D3416 Low Level Methane	7/22/2026
T-311	226144 39	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-311	226144 39	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-312	226144 40	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-312	226144 40	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-312	226144 40	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-312	226144 40	ASTM D3416 Low Level Methane	7/22/2026
T-313	226144 41	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-313	226144 41	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-313	226144 41	ASTM D3416 Low Level Methane	7/22/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-313	226144 41	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-313	226144 41	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D1945 Permanent Gas Analysis	7/22/2026
T-314	226144 42	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/22/2026
T-314	226144 42	ASTM D3416 Low Level Methane	7/22/2026
T-314	226144 42	ASTM D1945 Hydrogen Confirmation	7/22/2026
T-314	226144 42	EPA TO-12 C2 to C12 CRYO	7/22/2026
T-401	226144 43	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-401	226144 43	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-401	226144 43	ASTM D3416 Low Level Methane	7/23/2026
T-401	226144 43	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-401	226144 43	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-402	226144 44	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-402	226144 44	ASTM D3416 Low Level Methane	7/23/2026
T-402	226144 44	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-402	226144 44	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-402	226144 44	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-403	226144 45	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-403	226144 45	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-403	226144 45	ASTM D3416 Low Level Methane	7/23/2026
T-403	226144 45	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-403	226144 45	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-404	226144 46	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-404	226144 46	ASTM D3416 Low Level Methane	7/23/2026
T-404	226144 46	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-404	226144 46	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-405	226144 47	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-405	226144 47	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-405	226144 47	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-405	226144 47	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-406	226144 48	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-406	226144 48	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-406	226144 48	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-406	226144 48	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-407	226144 49	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-407	226144 49	ASTM D3416 Low Level Methane	7/23/2026
T-407	226144 49	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-407	226144 49	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-408	226144 50	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-408	226144 50	ASTM D3416 Low Level Methane	7/23/2026
T-408	226144 50	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-408	226144 50	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-409	226144 51	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-409	226144 51	ASTM D3416 Low Level Methane	7/23/2026
T-409	226144 51	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-409	226144 51	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-409	226144 51	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-410	226144 52	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-410	226144 52	ASTM D3416 Low Level Methane	7/23/2026
T-410	226144 52	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-410	226144 52	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-411	226144 53	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-411	226144 53	ASTM D3416 Low Level Methane	7/23/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-411	226144 53	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-411	226144 53	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-412	226144 54	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-412	226144 54	ASTM D3416 Low Level Methane	7/23/2026
T-412	226144 54	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-412	226144 54	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-413	226144 55	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-413	226144 55	ASTM D3416 Low Level Methane	7/23/2026
T-413	226144 55	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-413	226144 55	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-414	226144 56	ASTM D1945 Permanent Gas Analysis	7/23/2026
T-414	226144 56	ASTM D3416 Low Level Methane	7/23/2026
T-414	226144 56	EPA TO-12 C2 to C12 CRYO	7/23/2026
T-414	226144 56	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/23/2026
T-414	226144 56	ASTM D1945 Hydrogen Confirmation	7/23/2026
T-501	226144 57	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-501	226144 57	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-501	226144 57	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-501	226144 57	ASTM D3416 Low Level Methane	7/24/2026
T-501	226144 57	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-502	226144 58	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-502	226144 58	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-502	226144 58	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-502	226144 58	ASTM D3416 Low Level Methane	7/24/2026
T-503	226144 59	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-503	226144 59	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-503	226144 59	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-503	226144 59	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-503	226144 59	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-504	226144 60	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-504	226144 60	ASTM D3416 Low Level Methane	7/24/2026
T-504	226144 60	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-504	226144 60	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-505	226144 61	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-505	226144 61	ASTM D3416 Low Level Methane	7/24/2026
T-505	226144 61	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-505	226144 61	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-506	226144 62	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-506	226144 62	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-506	226144 62	ASTM D3416 Low Level Methane	7/24/2026
T-506	226144 62	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-507	226144 63	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-507	226144 63	ASTM D3416 Low Level Methane	7/24/2026
T-507	226144 63	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-507	226144 63	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-508	226144 64	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-508	226144 64	ASTM D3416 Low Level Methane	7/24/2026
T-508	226144 64	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-508	226144 64	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-509	226144 65	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-509	226144 65	ASTM D3416 Low Level Methane	7/24/2026

Client Sample ID	EAS Lab No.	Analysis Requested	Date Sampled
T-509	226144 65	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-509	226144 65	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-510	226144 66	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-510	226144 66	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-510	226144 66	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-510	226144 66	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-511	226144 67	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-511	226144 67	ASTM D3416 Low Level Methane	7/24/2026
T-511	226144 67	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-511	226144 67	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-512	226144 68	ASTM D3416 Low Level Methane	7/24/2026
T-512	226144 68	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-512	226144 68	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-512	226144 68	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-512	226144 68	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-513	226144 69	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-513	226144 69	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-513	226144 69	ASTM D3416 Low Level Methane	7/24/2026
T-513	226144 69	EPA TO-12 C2 to C12 CRYO	7/24/2026
T-513	226144 69	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	EPA TO-15 Full List 95 + 1,1 DFA,Acrolein + TIC 1	7/24/2026
T-514	226144 70	ASTM D1945 Hydrogen Confirmation	7/24/2026
T-514	226144 70	ASTM D1945 Permanent Gas Analysis	7/24/2026
T-514	226144 70	ASTM D3416 Low Level Methane	7/24/2026
T-514	226144 70	EPA TO-12 C2 to C12 CRYO	7/24/2026

Project Sample Media

SDG Number: 226144

The following sample media was used for this Sample Delivery Group (SDG). The Sample Media column identifies the type of media. For canisters, the Sample Media Batch gives the canister number followed by the cleaning batch number, which is a unique identification. The initial pressure of the canister when it is received is recorded. If the canister is not pressurized, the final pressure will be the same as the initial pressure. If the canister is pessurized the final pressure will be recorded, and the canister dilution factor is calculated as the ratio of the final to initial pressure. The results are adjusted for the can dilution factor.

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	1	T-101	758		683	683	1.00
226144	2	T-102	737		687	687	1.00
226144	3	T-103	548		664	664	1.00
226144	4	T-104	990		678	678	1.00
226144	5	T-105	885		647	647	1.00
226144	6	T-106	755		657	657	1.00
226144	7	T-107	182		662	662	1.00
226144	8	T-108	551		669	669	1.00
226144	9	T-109	638		660	660	1.00
226144	10	T-110	800		672	672	1.00
226144	11	T-111	645		640	640	1.00
226144	12	T-112	663		662	662	1.00
226144	13	T-113	859		657	657	1.00
226144	14	T-114	529		850	850	1.00
226144	15	T-201	653		687	687	1.00
226144	16	T-202	803		683	683	1.00
226144	17	T-203	668		693	693	1.00
226144	18	T-204	688		649	649	1.00
226144	19	T-205	761		674	674	1.00
226144	20	T-206	809		661	661	1.00
226144	21	T-207	694		669	669	1.00
226144	22	T-208	526		675	675	1.00
226144	23	T-209	856		666	666	1.00
226144	24	T-210	679		678	678	1.00
226144	25	T-211	762		649	649	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	26	T-212	710		652	652	1.00
226144	27	T-213	655		664	664	1.00
226144	28	T-214	692		715	715	1.00
226144	29	T-301	659		688	688	1.00
226144	30	T-302	897		669	669	1.00
226144	31	T-303	754		689	689	1.00
226144	32	T-304	745		679	679	1.00
226144	33	T-305	741		670	670	1.00
226144	34	T-306	708		673	673	1.00
226144	35	T-307	698		665	665	1.00
226144	36	T-308	608		382	382	1.00
226144	37	T-309	647		671	671	1.00
226144	38	T-310	654		653	653	1.00
226144	39	T-311	605		671	671	1.00
226144	40	T-312	730		676	676	1.00
226144	41	T-313	766		672	672	1.00
226144	42	T-314	662		724	724	1.00
226144	43	T-401	643		675	675	1.00
226144	44	T-402	740		681	681	1.00
226144	45	T-403	699		666	666	1.00
226144	46	T-404	618		676	676	1.00
226144	47	T-405	849		660	660	1.00
226144	48	T-406	506		673	673	1.00
226144	49	T-407	823		652	652	1.00
226144	50	T-408	789		636	636	1.00
226144	51	T-409	732		660	660	1.00
226144	52	T-410	709		646	646	1.00
226144	53	T-411	750		666	666	1.00
226144	54	T-412	503		650	650	1.00
226144	55	T-413	695		648	648	1.00
226144	56	T-414	738		688	688	1.00
226144	57	T-501	895		672	672	1.00
226144	58	T-502	728		668	668	1.00

SDG	Lab ID	Client Sample No.	Sample Media	Batch	Pressure, torr Initial	Final	Can Factor
226144	59	T-503	858		664	664	1.00
226144	60	T-504	556		672	672	1.00
226144	61	T-505	627		672	672	1.00
226144	62	T-506	760		660	660	1.00
226144	63	T-507	696		633	633	1.00
226144	64	T-508	768		656	656	1.00
226144	65	T-509	837		660	660	1.00
226144	66	T-510	647		642	642	1.00
226144	67	T-511	786		665	665	1.00
226144	68	T-512	877		654	654	1.00
226144	69	T-513	892		668	668	1.00
226144	70	T-514	775		714	714	1.00

Laboratory Case Narrative

EAS SDG Number: 226144 **Project Number:** 17807

Client: C.E. Schmidt

The Laboratory Case Narrative for the SDG is below. The Chain of Custody form(s) follow the Laboratory Case Narrative.

Sample Control Narrative

The samples were all received in good condition and with proper preservation.

Analytical Methods

The methods used for sample analysis are listed on the Analytyical Report header, and have been modified as described in the EAS Quality Manual..

Case Narrative

QC Narrative

All analyses met EAS method criteria as defined in the Quality Manual, except as noted in the report or QC reports with data qualifiers.

Subcontract Narrative

No sample analysis was subcontracted for this project

Laboratory Certification

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness other than the condition(s) noted above. The Laboratory Report is property of EAS and its client. The entire report has been reviewed and approved.



Date Approved:

Steven D. Hoyt, Ph.D.
Environmental Analytical Service
Laboratory Director

CE Schmidt, PhD, Environmental Consultant — **TO-15 Day 1**

Chain of Custody Record

Form Serial Number CES F1-02106	For Information Regarding These Samples Please Contact:	Client Address and Phone Number *3900 Kilroy Airport Way, Suite 100* *Long Beach, CA 90806 562-743-7895*
Client Name SCS *Chiquita Canyon Landfill*	**Dr. Charles E. Schmidt** 19200 Live Oak Road, Red Bluff, CA 96080	Laboratory Name *EAS*
Project Manager *Pat Sullivan*	530-529-4256 E-Mail: SCHMIDTCE@aol.com	Laboratory Address *173 Cross Street* *San Luis Obispo, CA 93401*
Requested Completion Date		Laboratory Phone *805-781-3585*
		Laboratory Contact *Dr. Steve Hoyt* *stevehoyt@easlab.com*

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	# OF CONTAINERS	Sample Container: Vial	Can	Tube	Analysis Requested: TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (iList on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/20/2026	1003		x	T - 101	758	1		x		x	x	x	x	x	-29	0	C1
	7/20/2026	1005		x	T - 102	737	1		x		x	x	x	x	x	-29	0	02
	7/20/2026	1003		x	T - 103	548	1		x		x	x	x	x	x	-29	0	03
	7/20/2026	0958		x	T - 104	910	1		x		x	x	x	x	x	-29	0	04
	7/20/2026	1100		x	T - 105	885	1		x		x	x	x	x	x	-29	0	05
	7/20/2026	1059		x	T - 106	755	1		x		x	x	x	x	x	-29	0	06
	7/20/2026	1103		x	T - 107	182	1		x		x	x	x	x	x	-29	0	07
	7/20/2026	1059		x	T - 108	551	1		x		x	x	x	x	x	-29	0	08
	7/20/2026	1214		x	T - 109	638	1		x		x	x	x	x	x	-29	0	09
	7/20/2026	1205		x	T - 110	880	1		x		x	x	x	x	x	-29	0	10
	7/20/2026	1202		x	T - 111	645	1		x		x	x	x	x	x	-29	0	11
	7/20/2026	1217		x	T - 112	663	1		x		x	x	x	x	x	-29	0	12
	7/20/2026	1227		x	T - 113	859	1		x		x	x	x	x	x	-29	0	13
	7/20/2026	1251		x	T - 114	829	1		x		x	x	x	x	x	-29	0	14

Sampler: CE Schmidt	Date/Time: 7/24/26 1202	Relinquished by: CE Schmidt	Date/Time: 7/24/26 1200
Recieved by: Una Griffith EAS	Date/Time: 7/24/26 16:10	Relinquished by	Date/Time
Recieved by	Date/Time	Relinquished by	Date/Time
Recieved by Laboratory	Date/Time	Sample Shipped Via: UPS FEDEX BUS Other	
Remarks			

HAZWRAP/NEESA Y N
QC Level 1 2 3
COC
Ana Req
Cust Seal
Sample Condition

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D1

CE Schmidt, Phd, Environmental Consultant — **TO-15 Day 2**

Chain of Custody Record

| | | |

CE Schmidt, Phd, Environmental Consultant **TO-15 Day 3**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples	# OF CONTAINERS				Client Address and Phone Number		Laboratory Name
CES F1-02106	Please Contact:					*3900 Kilroy Airport Way, Suite 100*		*EAS*
Client Name						*Long Beach, CA 90806 562-743-7895*		
SCS	**Dr. Charles E. Schmidt**					Analysis Requested		Laboratory Address
Chiquita Canyon Landfill	19200 Live Oak Road, Red Bluff, CA 96080							*173 Cross Street*
Project Manager	530-529-4256							*San Luis Obispo, CA 93401*
Pat Sullivan	E-Mail: SCHMIDTCE@aol.com							Laboratory Phone
Requested Completion Date								*805-781-3585*
								Laboratory Contact
								Dr. Steve Hoyt
								stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/22/2026	823		x	T - 301	659 871		x		x	x	x	x	x	-29	0	29
	7/22/2026	828		x	T - 302			x		x	x	x	x	x	-29	0	30
	7/22/2026	823		x	T - 303	754		x		x	x	x	x	x	-29	0	31
	7/22/2026	825		x	T - 304	745		x		x	x	x	x	x	-29	0	32
	7/22/2026	958		x	T - 305	741		x		x	x	x	x	x	-29	0	33
	7/22/2026	1001		x	T - 306	708		x		x	x	x	x	x	-29	0	34
	7/22/2026	1001		x	T - 307	698		x		x	x	x	x	x	-29	0	35
	7/22/2026	959		x	T - 308	608		x		x	x	x	x	x	-29	0	36
	7/22/2026	1117		x	T - 309	647		x		x	x	x	x	x	-29	0	37
	7/22/2026	1122		x	T - 310	654		x		x	x	x	x	x	-29	0	38
	7/22/2026	1116		x	T - 311	605		x		x	x	x	x	x	-29	0	39
	7/22/2026	1123		x	T - 312	730		x		x	x	x	x	x	-29	0	40
	7/22/2026	1126		x	T - 313	766		x		x	x	x	x	x	-29	0	41
	7/22/2026	1130		x	T - 314	662		x		x	x	x	x	x	-29	0	42

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
[illegible]	7/24/26 1200	[illegible]	7/24/26 1200	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
[illegible]	7/24/26 16:10			Ana Req
Recieved by	Date/Time	Relinquished by	Date/Time	Cust Seal
				Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		

Remarks

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D3

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CE Schmidt, Phd, Environmental Consultant TO-15 Day 4

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples Please Contact:	# OF CONTAINERS				Client Address and Phone Number							Laboratory Name
CES F1-02106						*3900 Kilroy Airport Way, Suite 100*							*EAS*
Client Name	**Dr. Charles E. Schmidt**					*Long Beach, CA 90806 562-743-7895*							Laboratory Address
SCS	19200 Live Oak Road, Red Bluff, CA 96080					Analysis Requested							*173 Cross Street*
Chiquita Canyon Landfill	530-529-4256												*San Luis Obispo, CA 93401*
Project Manager	E-Mail: SCHMIDTCE@aol.com												Laboratory Phone
Pat Sullivan													*805-781-3585*
Requested Completion Date													Laboratory Contact
													Dr. Steve Hoyt
													stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (#List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/23/2026	859		x	T - 401	643 740		x		x	x	x	x	x	-29	0	43
	7/23/2026	900		x	T - 402			x		x	x	x	x	x	-29	0	44
	7/23/2026	904		x	T - 403	649		x		x	x	x	x	x	-29	0	45
	7/23/2026	908		x	T - 404	618		x		x	x	x	x	x	-29	0	46
	7/23/2026	959		x	T - 405	849		x		x	x	x	x	x	-29	0	47
	7/23/2026	1002		x	T - 406	506		x		x	x	x	x	x	-29	0	48
	7/23/2026	1007		x	T - 407	823 789		x		x	x	x	x	x	-29	0	49
22 of 782	7/23/2026	1011		x	T - 408			x		x	x	x	x	x	-29	0	50
	7/23/2026	1116		x	T - 409	D32		x		x	x	x	x	x	-29	0	51
	7/23/2026	1109		x	T - 410	709		x		x	x	x	x	x	-29	0	52
	7/23/2026	1107		x	T - 411	920		x		x	x	x	x	x	-29	0	53
	7/23/2026	1108		x	T - 412	403		x		x	x	x	x	x	-29	0	54
	7/23/2026	1119		x	T - 413	695		x		x	x	x	x	x	-29	0	55
	7/23/2026	1140		x	T - 414	738		x		x	x	x	x	x	-29	0	56

Sampler	Date/Time 7/24/26 1200	Relinquished by	Date/Time 7/24/26 1200	HAZWRAP/NEESA Y N
Recieved by Ana Gastelum	Date/Time 7/24/26 16:16	Relinquished by	Date/Time	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
				Ana Req
				Cust Seal
				Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		
Remarks				

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D4

CE Schmidt, Phd, Environmental Consultant TO-15 Day 5

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples	# OF CONTAINERS		Client Address and Phone Number	Laboratory Name
CES F1-02106	Please Contact:			*3900 Kilroy Airport Way, Suite 100*	*EAS*
Client Name				*Long Beach, CA 90806 562-743-7895*	Laboratory Address
SCS	**Dr. Charles E. Schmidt**			Analysis Requested	*173 Cross Street*
Chiquita Canyon Landfill	19200 Live Oak Road, Red Bluff, CA 96080				*San Luis Obispo, CA 93401*
Project Manager	530-529-4256				Laboratory Phone
Pat Sullivan	E-Mail: SCHMIDTCE@aol.com				*805-781-3585*
Requested Completion Date					Laboratory Contact
					Dr. Steve Hoyt
					stevehoyt@easlab.com

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (See back)	TO-15 (List on back)	Fixed gases (List on back)	1,1-DFA Tracer	Can Pressure In (Inches Hg)	Can Pressure Out (Inches	Remarks
	7/24/2026	922		x	T - 501	895		x		x	x	x	x	x	-29	0	57
	7/24/2026	922		x	T - 502	778		x		x	x	x	x	x	-29	0	58
	7/24/2026	929		x	T - 503	858		x		x	x	x	x	x	-29	0	59
	7/24/2026	927		x	T - 504	556		x		x	x	x	x	x	-29	0	60
	7/24/2026	1036		x	T - 505	627		x		x	x	x	x	x	-29	0	61
	7/24/2026	1031		x	T - 506	760		x		x	x	x	x	x	-29	0	62
	7/24/2026	1037		x	T - 507	696		x		x	x	x	x	x	-29	0	63
	7/24/2026	1033		x	T - 508	768		x		x	x	x	x	x	-29	0	64
	7/24/2026	1147		x	T - 509	857		x		x	x	x	x	x	-29	0	65
	7/24/2026	1144		x	T - 510	647		x		x	x	x	x	x	-29	0	66
	7/24/2026	1140		x	T - 511	786		x		x	x	x	x	x	-29	0	67
	7/24/2026	1144		x	T - 512	807		x		x	x	x	x	x	-29	0	68
	7/24/2026	1148		x	T - 513	892		x		x	x	x	x	x	-29	0	69
	7/24/2026	1105		x	T - 514	775		x		x	x	x	x	x	-29	0	70

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
CB Schmidt	7/24/26 1200	CB Schmidt	7/24/26 1200	QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
Una Bulmer EKS	7/24/26 16:10			Ana Req
Recieved by	Date/Time	Relinquished by	Date/Time	Cust Seal
				Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via UPS FEDEX BUS Other		
Remarks				

File: Chiquita Cyn Forms TO-15.xlsb Form: COC TO-15 D5

Table 6.2 Target Analyte List for Fixed Gases.

Methane (reanalyze non-detects to <1 ppmv)
Carbon dioxide
Oxygen
Nitrogen
Hydrogen
Carbon monoxide

TO-12
TNMHC (as C1 and C6)

TO-14 (FID)
C2-C12 Speciated

TO-15
Top 10 TICs for each sample
CLP Data Package

Table 6.3 Target List for TO-15 HAP/TAC Speciated Hydrocarbon Analysis.

Propylene
Dichlorodifluoromethane
Methanol
Chloromethane
1,2-Dichlorotetrafluoroethane
Vinyl chloride
1,3-Butadiene
Bromomethane
Chloroethane
Ethanol
Acrolein
Trichlorofluoromethane
Acetone
2-propanol (isopropylalcohol)
t-Butyl alcohol
Methyl iodide
1,1-Dichloroethene
Acrylonitrile
1,1,2-Trichlorotrifluoroethane
Allyl chloride
Methylene chloride
Carbon disulfide
trans-1,2-Dichloroethene
Methyl tert butyl ether
Propionitrile
1,1-Dichloroethane
Ethyl tert butyl ether
Vinyl acetate
2-Butanone (MEK)
Diisopropyl ether
Hexane
Methacrylonitrile
Ethyl acetate
Bromochloromethane
Methyl acrylate
Tetrahydrofuran
Isobutyl alcohol
cis-1,2-Dichloroethene
2,2-Dichloropropane
Chloroform
1,1,1-Trichloroethane
1,2-Dichloroethane
1,1-Dichloropropene
Cyclohexane
Benzene
Carbon tetrachloride
t-Amyl methyl ether
2,2,4-Trimethylpentane
n-Heptane
1,2-Dichloropropane
1,4 Dioxane
Dibromomethane
Trichloroethene (TCE)
Bromodichloromethane
Methyl methacrylate
4-Methyl-2-pentanone (MIBK)
cis-1,3-Dichloropropene
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Ethyl methacrylate
2-Hexanone
1,3-Dichloropropane
Octane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylenes
Nonane
Styrene
Bromoform
o-Xylene
1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane
t-1,4-Dichloro-2-butene
n-Propylbenzene
Isopropylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
Decane
tert-butyl benzene
1,2,4-Trimethylbenzene
i-Butylbenzene
sec-butylbenzene
1,3-Dichlorobenzene
Isopropyltoluene
Benzyl chloride
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
Hexachlorobutadiene
1,1-Difluoroethane

Section 2 Quality Control

This section contains the QC Reports for each Daily Analytical Batch (DAB) which make up the Sample Delivery Group (SDG). It also contains either the EAS or Project QC criteria that was used for the DAB. The methods used for this project have been modified from the original method. The modifications include modifications to the QC for the method. This is either because the method did not specify certain aspects of the QC, the method was originally designed for a different matrix, or additional compounds were added to the target list of the method which required modified QC. The QC modifications used by EAS follows those used by other air testing laboratories.

The Daily Analytical Batch data was checked against the QC criteria for the method. Any deviations from the QC criteria are listed on the QC Reports for each DAB, which are summarized in this section and are given in more detail in Section 4 which has the Quantitation Reports and Calculations for the Samples, Method Blank, Lab Control Spikes, as well as the Initial Calibration and Continuing Calibration. This section contains the following:

Section Contents

Project QC Critera

DAB Quality Control Reports

- Method Blank
- Laboratory Control Spike
- Laboratory Control Duplicate
- Continuing Calibration

METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: LABQC

Laboratory Number: B09016B

File Name: B09016B
Description: METHOD BLANK
Can/Tube#:
QC_Batch: 090126-GCO

Date Sampled:
Time:
Date Analyzed: 09/01/26
Time: 12:46
Can Dilution Factor: 1.00

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.380	0.407	ND	3,800	4,066	ND	ND
7782-44-7	Oxygen	0.050	0.054	0.21	500	535	2,060	
630-08-0	Carbon Monoxide	0.010	0.011	ND	100	107	ND	ND
124-38-9	Carbon Dioxide	0.010	0.011	ND	100	107	ND	ND

QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D 1945 GC/TCD
Analytical Method: D1945

Date: 09/01/26
QC_Batch: 090126-GCO

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
7782-44-7	Oxygen	92		101		70	130	10	25	
7727-37-9	Nitrogen	103		129		70	130	22	25	
74-82-8	Methane	75		76		70	130	2	25	
630-08-0	Carbon Monoxide	98		100		70	130	2	25	
124-38-9	Carbon Dioxide	109		108		70	130	1	25	

Analytical Reports

EAS SDG Number: 226144

Project Number: 17807

The following pages contain the certified Analytical Reports for the samples submitted in the Sample Delivery Group (SDG) and are in order of the EAS Lab ID number. All of the analytical methods used are modifications of the published methods. Procedural method modifications, QC modifications, QC Criteria modifications, target lists, definitions of detection limits, and flags are all explained in detail in the EAS Quality Manual. The Analytical Report has columns for the method detection limit (MDL), the reporting limit (RL), and the Amount. The Amount is the concentration of the compound in the sample. The report usually has the results reported with two commonly used units. The MDL, RL, and Amount are adjusted for the canister dilution factor and any dilution caused by sample matrix effects.

NELAC CERTIFICATION

EAS is accredited by the National Environmental Laboratory Accreditation (NELAC) with the Florida Department of Health, one of the NELAC certifying states. EAS is certified for the EPA TO-15, EPA TO-11 and EPA TO-4 methods. A list of accredited compounds is available on request.

DETECTION LIMITS

MDL: The MDL is lowest concentration that can be measured to be statistically above the noise level and is determined using the EPA 2016 method which uses the standard deviation of replicate measurements made over time. The method also incorporates systematic instrumentation blank levels. See Quality Manual for detailed explanation.

RL: The reporting limit (RL) is the lowest concentration that can be reliably reported for each compound that meets the QC Criteria for the method, background levels, or project specific considerations. The QC criteria level for the method blank is to be less then the RL See Quality Manual for more information.

DATA FLAGS

In the standard report, if a compound is not detected above the method detection limit, a "ND" is in the Amount column. The flag column is used for both the not detect flag and for any data flags.

B - This compound was detected in the batch method blank above the reporting limit and is greater then one tenth the amount in the sample.

E - This compound exceeds the calibration range for this sample volume.

J - The amount reported is estimated because it was below the RL and could be below the lowest calibration point, have higher uncertainty, or could be the result of system background

SIGNIFICANT FIGURES

Based on the uncertainty in the methods, the numbers on the Analytical Reports should be used with only two significant digits. Additional significant figures are reported for ease of use and to avoid rounding errors when used in further calculations.

UNITS

PPBV or PPMV: Parts-per-billion (or million) by volume is a mole (volume) ratio of the moles of analyte divided by the moles of air (gas). This is the primary unit used to report air or gas concentrations and is independent of temperature and pressure.

UG/M3 OR MG/M3: The reported result was calculated based on 1 atm pressure and a temperature of 25C. The conversion from PPBV is: UG/M3 = PPBV x MW/24.46 where 24.26 is the gas constant and MW is the Compounds Molecular Weight (sometimes called Formula Weight)

Section 3 Analytical Methods

This section has information on the analytial methods and a copy of the analytical reports for the Sample Delivery Group (SDG) listed below. The reports are organized in order of the EAS Laboratory Number.

Section Contents

Analytical Method Description(s)

Analytical Reports

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Can/Tube#: 758
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 12:51
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.538	0.576	ND	5,384	5,761	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.86	708	758	178,593	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	152	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 02

File Name: 2614402A
Description: T-102
Can/Tube#: 737
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:05
Date Analyzed: 09/01/26 **Time:** 12:58
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,410	5,789	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.64	712	762	176,376	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	152	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Can/Tube#: 548
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:02
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,071	5,426	ND	ND
7782-44-7	Oxygen	0.067	0.072	17.59	667	714	175,930	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	133	143	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 04

File Name: 2614404A
Description: T-104
Can/Tube#: 990
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 13:06
Can Dilution Factor: 1.53

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.583	0.624	ND	5,830	6,238	ND	ND
7782-44-7	Oxygen	0.077	0.082	17.81	767	821	178,081	
630-08-0	Carbon Monoxide	0.015	0.016	ND	153	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	153	164	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Can/Tube#: 885
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 09/01/26 **Time:** 14:04
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.569	0.609	ND	5,693	6,092	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.42	749	802	184,204	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	150	160	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Can/Tube#: 755
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 09/01/26 **Time:** 14:11
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.568	0.608	ND	5,677	6,075	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.37	747	799	183,685	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	160	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Can/Tube#: 182
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 09/01/26 **Time:** 14:17
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.502	0.537	ND	5,016	5,368	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.12	660	706	181,237	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	132	141	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Can/Tube#: 551
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 09/01/26 **Time:** 14:22
Can Dilution Factor: 1.18

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.449	0.480	ND	4,494	4,808	ND	ND
7782-44-7	Oxygen	0.059	0.063	17.94	591	633	179,411	
630-08-0	Carbon Monoxide	0.012	0.013	ND	118	127	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	ND	118	127	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Can/Tube#: 638
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 14:28
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.572	0.612	ND	5,723	6,124	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.36	753	806	183,605	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	151	161	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Can/Tube#: 800
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 14:34
Can Dilution Factor: 1.16

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.441	0.472	ND	4,406	4,715	ND	ND
7782-44-7	Oxygen	0.058	0.062	18.04	580	620	180,360	
630-08-0	Carbon Monoxide	0.012	0.013	ND	116	124	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	0.06	116	124	613	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Can/Tube#: 645
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 14:41
Can Dilution Factor: 1.58

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.599	0.641	ND	5,987	6,406	ND	ND
7782-44-7	Oxygen	0.079	0.085	18.22	788	843	182,211	
630-08-0	Carbon Monoxide	0.016	0.017	ND	158	169	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	158	169	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 12

File Name: 2614412A
Description: T-112
Can/Tube#: 663
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 09/01/26 **Time:** 14:45
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.499	0.534	ND	4,988	5,337	ND	ND
7782-44-7	Oxygen	0.066	0.071	19.95	656	702	199,510	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	131	140	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Can/Tube#: 859
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 09/01/26 **Time:** 14:51
Can Dilution Factor: 1.54

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.584	0.625	ND	5,837	6,246	ND	ND
7782-44-7	Oxygen	0.077	0.082	18.56	768	822	185,610	
630-08-0	Carbon Monoxide	0.015	0.016	ND	154	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	154	164	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Can/Tube#: 529
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 09/01/26 **Time:** 14:58
Can Dilution Factor: 1.24

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.472	0.505	ND	4,723	5,053	ND	ND
7782-44-7	Oxygen	0.062	0.066	17.91	621	665	179,134	
630-08-0	Carbon Monoxide	0.012	0.013	ND	124	133	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	ND	124	133	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Can/Tube#: 653
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 09/01/26 **Time:** 15:04
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.533	0.570	ND	5,334	5,707	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.58	702	751	175,832	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.08	140	150	783	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Can/Tube#: 803
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 09/01/26 **Time:** 15:10
Can Dilution Factor: 1.27

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.481	0.515	ND	4,807	5,144	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.29	633	677	182,900	
630-08-0	Carbon Monoxide	0.013	0.014	ND	127	135	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	127	135	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 17

File Name: 2614417A
Description: T-203
Can/Tube#: 668
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:37
Date Analyzed: 09/01/26 **Time:** 15:16
Can Dilution Factor: 1.25

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.475	0.508	ND	4,754	5,087	ND	ND
7782-44-7	Oxygen	0.063	0.067	16.69	626	669	166,892	
630-08-0	Carbon Monoxide	0.013	0.014	ND	125	134	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.13	125	134	1,271	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 18

File Name: 2614418A
Description: T-204
Can/Tube#: 688
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:33
Date Analyzed: 09/01/26 **Time:** 15:21
Can Dilution Factor: 1.59

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.605	0.647	ND	6,049	6,473	ND	ND
7782-44-7	Oxygen	0.080	0.086	16.70	796	852	166,992	
630-08-0	Carbon Monoxide	0.016	0.017	ND	159	170	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	2.90	159	170	29,004	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Can/Tube#: 761
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 09/01/26 **Time:** 15:27
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.534	0.571	ND	5,338	5,712	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.90	702	752	179,033	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.12	140	150	1,243	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Can/Tube#: 809
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 09/01/26 **Time:** 15:33
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,412	5,791	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.19	712	762	181,884	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.09	142	152	929	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 21

File Name: 2614421A
Description: T-207
Can/Tube#: 694
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:53
Date Analyzed: 09/01/26 **Time:** 15:39
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.531	0.568	ND	5,310	5,682	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.96	699	748	179,606	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.24	140	150	2,375	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Can/Tube#: 526
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 09/01/26 **Time:** 15:47
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,261	5,629	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.04	692	741	180,394	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.58	138	148	5,830	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Can/Tube#: 856
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 15:55
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.500	0.535	ND	4,999	5,349	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.07	658	704	180,750	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	132	141	733	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Can/Tube#: 679
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 16:02
Can Dilution Factor: 1.39

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.530	0.567	ND	5,300	5,671	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.96	697	746	179,626	
630-08-0	Carbon Monoxide	0.014	0.015	ND	139	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.12	139	149	1,154	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Can/Tube#: 762
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 09/01/26 **Time:** 16:09
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.549	0.587	ND	5,492	5,876	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.32	723	773	183,153	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.09	145	155	886	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Can/Tube#: 710
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 09/01/26 **Time:** 16:14
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.550	0.589	ND	5,500	5,885	ND	ND
7782-44-7	Oxygen	0.072	0.077	17.50	724	774	175,042	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.60	145	155	5,988	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 27

File Name: 2614427A
Description: T-213
Can/Tube#: 655
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 09/01/26 **Time:** 16:20
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.497	0.532	ND	4,967	5,315	ND	ND
7782-44-7	Oxygen	0.065	0.070	19.07	654	699	190,653	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.67	131	140	6,726	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Can/Tube#: 692
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 09/01/26 **Time:** 16:36
Can Dilution Factor: 1.26

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.479	0.513	ND	4,794	5,130	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.09	631	675	180,887	
630-08-0	Carbon Monoxide	0.013	0.014	ND	126	135	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	126	135	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Can/Tube#: 659
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:41
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,263	5,631	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.16	692	741	181,594	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 30

File Name: 2614430A
Description: T-302
Can/Tube#: 897
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:28
Date Analyzed: 09/01/26 **Time:** 16:48
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,625	6,019	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.45	740	792	184,544	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	158	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Can/Tube#: 754
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:54
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.494	0.529	ND	4,939	5,285	ND	ND
7782-44-7	Oxygen	0.065	0.070	18.44	650	695	184,359	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	139	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	130	139	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Can/Tube#: 745
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 09/01/26 **Time:** 16:59
Can Dilution Factor: 1.28

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.487	0.521	ND	4,875	5,216	ND	ND
7782-44-7	Oxygen	0.064	0.068	20.09	641	686	200,938	
630-08-0	Carbon Monoxide	0.013	0.014	ND	128	137	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.08	128	137	757	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 33

File Name: 2614433A
Description: T-305
Can/Tube#: 741
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 17:05
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.496	0.531	ND	4,957	5,304	ND	ND
7782-44-7	Oxygen	0.065	0.070	18.45	652	698	184,476	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	130	140	743	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 34

File Name: 2614434A
Description: T-306
Can/Tube#: 708
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 17:10
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.536	0.574	ND	5,359	5,734	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.86	705	754	178,570	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.32	141	151	3,206	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Can/Tube#: 698
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 18:40
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.531	0.568	ND	5,306	5,678	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.35	698	747	183,499	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.33	140	149	3,278	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 36

File Name: 2614436A
Description: T-308
Can/Tube#: 608
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 18:45
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.532	0.569	ND	5,324	5,696	ND	ND
7782-44-7	Oxygen	0.070	0.075	16.55	700	750	165,507	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	2.86	140	150	28,629	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Can/Tube#: 647
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 09/01/26 **Time:** 18:51
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.505	0.540	ND	5,049	5,403	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.43	664	711	184,286	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	133	142	664	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Can/Tube#: 654
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 09/01/26 **Time:** 18:56
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.516	0.552	ND	5,162	5,524	ND	ND
7782-44-7	Oxygen	0.068	0.073	18.02	679	727	180,243	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	136	145	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 39

File Name: 2614439A
Description: T-311
Can/Tube#: 605
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:15
Date Analyzed: 09/01/26 **Time:** 19:02
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.530	0.567	ND	5,302	5,673	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.49	698	746	184,873	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	140	149	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Can/Tube#: 730
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 09/01/26 **Time:** 19:08
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.534	0.571	ND	5,344	5,718	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.99	703	752	179,899	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	150	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Can/Tube#: 766
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 09/01/26 **Time:** 19:13
Can Dilution Factor: 1.37

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.519	0.555	ND	5,192	5,555	ND	ND
7782-44-7	Oxygen	0.068	0.073	17.95	683	731	179,525	
630-08-0	Carbon Monoxide	0.014	0.015	ND	137	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	137	146	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Can/Tube#: 662
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 09/01/26 **Time:** 19:19
Can Dilution Factor: 1.35

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.514	0.550	ND	5,138	5,497	ND	ND
7782-44-7	Oxygen	0.068	0.073	18.58	676	723	185,827	
630-08-0	Carbon Monoxide	0.014	0.015	ND	135	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	135	145	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Can/Tube#: 643
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 09/01/26 **Time:** 19:25
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.532	0.569	ND	5,315	5,687	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.13	699	748	181,326	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	140	150	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Can/Tube#: 740
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 09/01/26 **Time:** 19:30
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.498	0.533	ND	4,978	5,326	ND	ND
7782-44-7	Oxygen	0.065	0.070	17.62	655	701	176,152	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.43	131	140	4,290	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Can/Tube#: 699
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:35
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,260	5,628	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.28	692	741	182,806	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Can/Tube#: 618
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:40
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.523	0.560	ND	5,226	5,592	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.91	688	736	179,126	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.41	138	147	4,122	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 47

File Name: 2614447A
Description: T-405
Can/Tube#: 849
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 19:47
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.538	0.576	ND	5,377	5,754	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.44	708	757	184,409	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	151	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Can/Tube#: 506
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 09/01/26 **Time:** 19:52
Can Dilution Factor: 1.34

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.509	0.545	ND	5,088	5,444	ND	ND
7782-44-7	Oxygen	0.067	0.072	18.64	669	716	186,392	
630-08-0	Carbon Monoxide	0.013	0.014	ND	134	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.09	134	143	851	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 49

File Name: 2614449A
Description: T-407
Can/Tube#: 823
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:07
Date Analyzed: 09/01/26 **Time:** 19:58
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.550	0.589	ND	5,505	5,890	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.39	724	775	183,866	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	145	155	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 50

File Name: 2614450A
Description: T-408
Can/Tube#: 789
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:11
Date Analyzed: 09/01/26 **Time:** 20:04
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,635	6,030	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.19	741	793	181,919	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.23	148	159	2,297	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 51

File Name: 2614451A
Description: T-409
Can/Tube#: 732
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:10
Date Analyzed: 09/01/26 **Time:** 20:09
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.537	0.575	ND	5,367	5,743	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.43	706	756	184,303	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	151	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Can/Tube#: 709
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 09/01/26 **Time:** 20:15
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.518	0.554	ND	5,183	5,546	ND	ND
7782-44-7	Oxygen	0.068	0.073	17.91	682	730	179,056	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.11	136	146	1,055	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 53

File Name: 2614453A
Description: T-411
Can/Tube#: 750
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:20
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.495	0.530	ND	4,947	5,293	ND	ND
7782-44-7	Oxygen	0.065	0.070	19.52	651	696	195,231	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	139	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.17	130	139	1,693	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 54

File Name: 2614454A
Description: T-412
Can/Tube#: 503
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:25
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.573	0.613	ND	5,725	6,126	ND	ND
7782-44-7	Oxygen	0.075	0.080	15.88	753	806	158,808	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	4.93	151	161	49,270	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 55

File Name: 2614455A
Description: T-413
Can/Tube#: 695
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:31
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.558	0.597	ND	5,582	5,973	ND	ND
7782-44-7	Oxygen	0.073	0.078	15.91	734	786	159,104	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	4.36	147	157	43,592	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 56

File Name: 2614456A
Description: T-414
Can/Tube#: 738
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:37
Can Dilution Factor: 1.28

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.488	0.522	ND	4,877	5,218	ND	ND
7782-44-7	Oxygen	0.064	0.068	18.46	642	687	184,600	
630-08-0	Carbon Monoxide	0.013	0.014	ND	128	137	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	128	137	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Can/Tube#: 895
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:42
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.536	0.574	ND	5,360	5,735	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.11	705	755	181,087	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	151	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 58

File Name: 2614458A
Description: T-502
Can/Tube#: 728
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:48
Can Dilution Factor: 1.34

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,074	5,429	ND	ND
7782-44-7	Oxygen	0.067	0.072	20.11	668	714	201,125	
630-08-0	Carbon Monoxide	0.013	0.014	ND	134	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	134	143	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Can/Tube#: 858
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 09/01/26 **Time:** 20:53
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.540	0.578	ND	5,397	5,775	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.25	710	760	182,476	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.13	142	152	1,347	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 60

File Name: 2614460A
Description: T-504
Can/Tube#: 556
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:21
Date Analyzed: 09/01/26 **Time:** 20:59
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.554	0.593	ND	5,543	5,931	ND	ND
7782-44-7	Oxygen	0.073	0.078	18.57	729	780	185,742	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.13	146	156	1,266	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Can/Tube#: 627
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 09/01/26 **Time:** 21:04
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,645	6,040	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.26	743	795	182,592	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	159	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Can/Tube#: 760
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 09/01/26 **Time:** 21:09
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,256	5,624	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.57	692	740	175,657	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Can/Tube#: 696
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 09/01/26 **Time:** 21:15
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,072	5,428	ND	ND
7782-44-7	Oxygen	0.067	0.072	17.30	667	714	173,000	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.09	133	143	895	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 64

File Name: 2614464A
Description: T-508
Can/Tube#: 768
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:33
Date Analyzed: 09/01/26 **Time:** 21:21
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.524	0.561	ND	5,236	5,602	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.31	689	737	173,096	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.14	138	147	1,383	

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Can/Tube#: 837
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 09/01/26 **Time:** 21:26
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.524	0.561	ND	5,235	5,602	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.55	689	737	175,544	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	147	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Can/Tube#: 647
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:32
Can Dilution Factor: 1.25

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.476	0.509	ND	4,761	5,094	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.08	626	670	180,753	
630-08-0	Carbon Monoxide	0.013	0.014	ND	125	134	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	125	134	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Can/Tube#: 786
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 09/01/26 **Time:** 21:38
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.500	0.535	ND	4,997	5,347	ND	ND
7782-44-7	Oxygen	0.066	0.071	17.62	657	704	176,246	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	131	141	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Can/Tube#: 877
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:43
Can Dilution Factor: 1.44

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.549	0.587	ND	5,490	5,875	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.70	722	773	187,031	
630-08-0	Carbon Monoxide	0.014	0.015	ND	144	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	144	155	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Can/Tube#: 892
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 09/01/26 **Time:** 21:43
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.503	0.538	ND	5,032	5,384	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.49	662	708	184,943	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	132	142	ND	ND

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Can/Tube#: 775
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 21:54
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.542	0.580	ND	5,420	5,799	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.55	713	763	185,527	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	143	153	ND	ND

Section 4 Data Package

This section contains the Data Packages for the samples, blanks, and calibration. Each package has the analytical report, quantitation report, calculation sheet, instrument quantation report, and chromatograms.

Items provided in Data Package:

DAB Run Logs and Preparation Logs

Sample Packages

Blank Package for each Daily Analytical Batch

Quality Control Reports, LCS,LCD for each Daily Analytical Batch

Continuing Calibration Package for Each Daily Analytical Batch

Initial Calibration Data

DAB Run Logs and Preparation Logs

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
This section contains the DAB Log Sheets and Preparation Logs.

Index

DAB Run Logs
Other Log Sheets

DAILY ANALYTICAL BATCH FORM

DAB 090826 - GC0

ANALYST REPORT

Method AST19464 Chemist RA

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID F70

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 090826-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090826-GCO	01	GCO	STD			C09086A		ST63492	10% H2	0.5	DA		AST1946H	ALL DBL INJE		
090826-GCO	02	GCO	STD			C09086B		ST63492	10% H2	0.5	DA		AST1946H			
090826-GCO	03	GCO	STD			C09086C		ST63492	10% H2	0.5	DA		AST1946H			
090826-GCO	04	GCO	STD			C09086D		ST63492	10% H2	0.5	DA		AST1946H			
090826-GCO	05	GCO	BLK			B09086A	307	METHOD BLANK		0.5	DA		AST1946H			
090826-GCO	06	GCO	SA	226144	01	2614401A	758	T-101	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	07	GCO	SA	226144	02	2614402A	737	T-102	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	08	GCO	SA	226144	03	2614403A	548	T-103	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	09	GCO	SA	226144	04	2614404A	990	T-104	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	10	GCO	SA	226144	05	2614405A	885	T-105	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	11	GCO	SA	226144	06	2614406A	755	T-106	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	12	GCO	SA	226144	07	2614407A	182	T-107	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	13	GCO	SA	226144	08	2614408A	551	T-108	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	14	GCO	SA	226144	09	2614409A	638	T-109	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	15	GCO	SA	226144	10	2614410A	800	T-110	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	16	GCO	SA	226144	11	2614411A	645	T-111	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	17	GCO	SA	226144	12	2614412A	663	T-112	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	18	GCO	SA	226144	13	2614413A	859	T-113	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	19	GCO	SA	226144	14	2614414A	529	T-114	SCHMIDT	0.5	DA		AST1946H			

REVIEWED

Daily Analytical Batch

DAB: 090826-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090826-GCO	20	GCO	SA	226144	15	2614415A	653	T-201	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	21	GCO	SA	226144	16	2614416A	803	T-202	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	22	GCO	SA	226144	17	2614417A	668	T-203	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	23	GCO	SA	226144	18	2614418A	688	T-204	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	24	GCO	SA	226144	19	2614419A	761	T-205	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	25	GCO	SA	226144	20	2614420A	809	T-206	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	26	GCO	SA	226144	21	2614421A	694	T-207	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	27	GCO	SA	226144	22	2614422A	526	T-208	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	28	GCO	SA	226144	23	2614423A	856	T-209	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	29	GCO	SA	226144	24	2614424A	679	T-210	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	30	GCO	SA	226144	25	2614425A	762	T-211	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	31	GCO	SA	226144	26	2614426A	710	T-212	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	32	GCO	SA	226144	27	2614427A	655	T-213	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	33	GCO	SA	226144	28	2614428A	692	T-214	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	34	GCO	SA	226144	29	2614429A	659	T-301	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	35	GCO	SA	226144	30	2614430A	897	T-302	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	36	GCO	SA	226144	31	2614431A	754	T-303	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	37	GCO	SA	226144	32	2614432A	745	T-304	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	38	GCO	SA	226144	33	2614433A	741	T-305	SCHMIDT	0.5	DA		AST1946H			

REVIEWED

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Daily Analytical Batch

DAB: 090826-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090826-GCO	39	GCO	SA	226144	34	2614434A	708	T-306	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	40	GCO	SA	226144	35	2614435A	698	T-307	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	41	GCO	SA	226144	36	2614436A	608	T-308	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	42	GCO	SA	226144	37	2614437A	647	T-309	SCHMIDT	0.5	DA		AST1946H			
090826-GCO	43	GCO	SA	226144	38	2614438A	654	T-310	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	44	GCO	SA	226144	39	2614439A	605	T-311	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	45	GCO	SA	226144	40	2614440A	730	T-312	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	46	GCO	SA	226144	41	2614441A	766	T-313	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	47	GCO	SA	226144	42	2614442A	662	T-314	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	48	GCO	SA	226144	43	2614443A	643	T-401	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	49	GCO	SA	226144	44	2614444A	740	T-402	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	50	GCO	SA	226144	45	2614445A	699	T-403	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	51	GCO	SA	226144	46	2614446A	618	T-404	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	52	GCO	SA	226144	47	2614447A	849	T-405	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	53	GCO	SA	226144	48	2614448A	506	T-406	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	54	GCO	SA	226144	49	2614449A	823	T-407	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	55	GCO	SA	226144	50	2614450A	789	T-408	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	56	GCO	SA	226144	51	2614451A	732	T-409	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	57	GCO	SA	226144	52	2614452A	709	T-410	SCHMIDT	0.5	SW		AST1946H			

REVIEWED

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Daily Analytical Batch

DAB: 090826-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090826-GCO	58	GCO	SA	226144	53	2614453A	750	T-411	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	59	GCO	SA	226144	54	2614454A	503	T-412	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	60	GCO	SA	226144	55	2614455A	695	T-413	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	61	GCO	SA	226144	56	2614456A	738	T-414	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	62	GCO	SA	226144	57	2614457A	895	T-501	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	63	GCO	SA	226144	58	2614458A	728	T-502	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	64	GCO	SA	226144	59	2614459A	858	T-503	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	65	GCO	SA	226144	60	2614460A	556	T-504	SCHMIDT	0.5	SW		AST1946H	DOUBLE INJ 2		
090826-GCO	66	GCO	SA	226144	60	2614460B	556	T-504	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	67	GCO	SA	226144	61	2614461A	627	T-505	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	68	GCO	SA	226144	62	2614462A	760	T-506	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	69	GCO	SA	226144	63	2614463A	696	T-507	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	70	GCO	SA	226144	64	2614464A	768	T-508	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	71	GCO	SA	226144	65	2614465A	837	T-509	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	72	GCO	SA	226144	66	2614466A	642	T-510	SCHMIDT	0.5	SW		AST1946H	FORGOT TO		
090826-GCO	73	GCO	SA	226144	66	2614466B	642	T-510	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	74	GCO	SA	226144	67	2614467A	786	T-511	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	75	GCO	SA	226144	68	2614468A	877	T-512	SCHMIDT	0.5	SW		AST1946H	SIGNAL LOOK		
090826-GCO	76	GCO	SA	226144	69	2614469A	892	T-513	SCHMIDT	0.5	SW		AST1946H			

REVIEWED

Daily Analytical Batch

DAB: 090826-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090826-GCO	77	GCO	SA	226144	70	2614470A	775	T-514	SCHMIDT	0.5	SW		AST1946H			
090826-GCO	78	GCO	SA	226144	68	2614468B	877	T-512	SCHMIDT	0.5	SW		AST1946H			

REVIEWED

DAILY ANALYTICAL BATCH FORM

DAB 0926 - GC0

ANALYST REPORT

Method ASTM1946 Chemist [illegible]

	NA	Passed	Out
Instrument Tune	☑	☐	☐
GC/MS BFBTune	☑	☐	☐
Continuing Calibration	☐	☑	☐
Instrument Blank	☐	☑	☐
LCS	☐	☑	☐
LCD	☐	☑	☐

PASSING DAB NOTES:

OUT Narrative:

[signature]
Analyst Certification

Out of Limits QC Approval

DATA PROCESSING

SDG 226144

Lab ID L-70

	Processed
Continuing Calibration	☑
Method Blank	☑
Samples	☑
LCS/LCD	☑

[signature]
Data Processing Chemist Certification

☑ Ready for Review

DATA REVIEW

Data Review Chemist Certification

☐ Reviewed

Daily Analytical Batch

DAB: 090126-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCO	01	GCO	STD			C09016A		ST63485		0.5	KL		ASTM194	BAD		
090126-GCO	02	GCO	STD			C09016B		ST63485		0.5	KL		ASTM194	BAD		
090126-GCO	03	GCO	STD			C09016C		ST63485		0.5	KL		ASTM194	BAD		
090126-GCO	04	GCO	STD			C09016D		ST63485		0.5	KL		ASTM194	BAD		
090126-GCO	05	GCO	STD			C09016E		ST63485		0.5	KL		ASTM194	OK		
090126-GCO	06	GCO	STD			C09016F		ST63485		0.5	KL		ASTM194			
090126-GCO	07	GCO	STD			C09016G		ST63485		0.5	KL		ASTM194			
090126-GCO	08	GCO	STD			C09016H		ST63485		0.5	KL		ASTM194			
090126-GCO	09	GCO	SPK			QC09016A		ST63484		0.5	KL		ASTM194			
090126-GCO	10	GCO	SPK			QC09016B		ST63484		0.5	DA		ASTM194			
090126-GCO	11	GCO	SPK			QC09016C		ST63484		0.5	DA		ASTM194			
090126-GCO	12	GCO	BLK			B09016A		METHOD BLANK		0.5	DA		ASTM194			
090126-GCO	13	GCO	BLK			B09016B		METHOD BLANK		0.5	DA		ASTM194			
090126-GCO	14	GCO	SA	226144	01	2614401A	758	T-101	SCHMIDT	0.5	DA		ASTM194	853/602		
090126-GCO	15	GCO	SA	226144	02	2614402A	737	T-102	SCHMIDT	0.5	DA		ASTM194	850/597		
090126-GCO	16	GCO	SA	226144	03	2614403A	548	T-103	SCHMIDT	0.5	DA		ASTM194	850/637		
090126-GCO	17	GCO	SA	226144	04	2614404A	990	T-104	SCHMIDT	0.5	DA		ASTM194	853/556		
090126-GCO	18	GCO	SA	226144	05	2614405A	885	T-105	SCHMIDT	0.5	DA		ASTM194	860/574		
090126-GCO	19	GCO	SA	226144	06	2614406A	755	T-106	SCHMIDT	0.5	DA		ASTM194	868/581		

REVIEWED

Daily Analytical Batch

DAB: 090126-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCO	20	GCO	SA	226144	07	2614407A	182	T-107	SCHMIDT	0.5	DA		ASTM194	866/656		
090126-GCO	21	GCO	SA	226144	08	2614408A	551	T-108	SCHMIDT	0.5	DA		ASTM194	881/745		
090126-GCO	22	GCO	SA	226144	09	2614409A	638	T-109	SCHMIDT	0.5	DA		ASTM194	863/573		
090126-GCO	23	GCO	SA	226144	10	2614410A	800	T-110	SCHMIDT	0.5	DA		ASTM194	865/746		
090126-GCO	24	GCO	SA	226144	11	2614411A	645	T-111	SCHMIDT	0.5	DA		ASTM194	876/556		
090126-GCO	25	GCO	SA	226144	12	2614412A	663	T-112	SCHMIDT	0.5	DA		ASTM194	869/735		
090126-GCO	26	GCO	SA	226144	13	2614413A	859	T-113	SCHMIDT	0.5	DA		ASTM194	871/567		
090126-GCO	27	GCO	SA	226144	14	2614414A	529	T-114	SCHMIDT	0.5	DA		ASTM194	865/696		
090126-GCO	28	GCO	SA	226144	15	2614415A	653	T-201	SCHMIDT	0.5	DA		ASTM194	859/612		
090126-GCO	29	GCO	SA	226144	16	2614416A	803	T-202	SCHMIDT	0.5	DA		ASTM194	864/701		
090126-GCO	30	GCO	SA	226144	17	2614417A	668	T-203	SCHMIDT	0.5	DA		ASTM194	867/743		
090126-GCO	31	GCO	SA	226144	18	2614418A	688	T-204	SCHMIDT	0.5	DA		ASTM194	866/544		
090126-GCO	32	GCO	SA	226144	19	2614419A	761	T-205	SCHMIDT	0.5	DA		ASTM194	878/625		
090126-GCO	33	GCO	SA	226144	20	2614420A	809	T-206	SCHMIDT	0.5	DA		ASTM194	873/613		
090126-GCO	34	GCO	SA	226144	21	2614421A	694	T-207	SCHMIDT	0.5	DA		ASTM194	865/619		
090126-GCO	35	GCO	SA	226144	22	2614422A	526	T-208	SCHMIDT	0.5	DA		ASTM194	868/627		
090126-GCO	36	GCO	SA	226144	23	2614423A	856	T-209	SCHMIDT	0.5	DA		ASTM194	863/656		
090126-GCO	37	GCO	SA	226144	24	2614424A	679	T-210	SCHMIDT	0.5	DA		ASTM194	862/618		
090126-GCO	38	GCO	SA	226144	25	2614425A	762	T-211	SCHMIDT	0.5	DA		ASTM194	870/602		

REVIEWED

Daily Analytical Batch

DAB: 090126-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCO	39	GCO	SA	226144	26	2614426A	710	T-212	SCHMIDT	0.5	DA		ASTM194	867/599		
090126-GCO	40	GCO	SA	226144	27	2614427A	655	T-213	SCHMIDT	0.5	DA		ASTM194	868/728		
090126-GCO	41	GCO	SA	226144	28	2614428A	692	T-214	SCHMIDT	0.5	DA		ASTM194	868/688		
090126-GCO	42	GCO	SA	226144	29	2614429A	659	T-301	SCHMIDT	0.5	DA		ASTM194	867/626		
090126-GCO	43	GCO	SA	226144	30	2614430A	897	T-302	SCHMIDT	0.5	DA		ASTM194	863/583		
090126-GCO	44	GCO	SA	226144	31	2614431A	754	T-303	SCHMIDT	0.5	DA		ASTM194	867/667		
090126-GCO	45	GCO	SA	226144	32	2614432A	745	T-304	SCHMIDT	0.5	DA		ASTM194	871/745		
090126-GCO	46	GCO	SA	226144	33	2614433A	741	T-305	SCHMIDT	0.5	DA		ASTM194	874/693		
090126-GCO	47	GCO	SA	226144	34	2614434A	708	T-306	SCHMIDT	0.5	DA		ASTM194	880/624		
090126-GCO	48	GCO	SA	226144	35	2614435A	698	T-307	SCHMIDT	0.5	SW		ASTM194	863/618		
090126-GCO	49	GCO	SA	226144	36	2614436A	608	T-308	SCHMIDT	0.5	SW		ASTM194	863/616		
090126-GCO	50	GCO	SA	226144	37	2614437A	647	T-309	SCHMIDT	0.5	SW		ASTM194	861/648		
090126-GCO	51	GCO	SA	226144	38	2614438A	654	T-310	SCHMIDT	0.5	SW		ASTM194	864/636		
090126-GCO	52	GCO	SA	226144	39	2614439A	605	T-311	SCHMIDT	0.5	SW		ASTM194	865/620		
090126-GCO	53	GCO	SA	226144	40	2614440A	730	T-312	SCHMIDT	0.5	SW		ASTM194	879/625		
090126-GCO	54	GCO	SA	226144	41	2614441A	766	T-313	SCHMIDT	0.5	SW		ASTM194	873/639		
090126-GCO	55	GCO	SA	226144	42	2614442A	662	T-314	SCHMIDT	0.5	SW		ASTM194	868/642		
090126-GCO	56	GCO	SA	226144	43	2614443A	643	T-401	SCHMIDT	0.5	SW		ASTM194	870/622		
090126-GCO	57	GCO	SA	226144	44	2614444A	740	T-402	SCHMIDT	0.5	SW		ASTM194	879/671		

REVIEWED

Daily Analytical Batch

DAB: 090126-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCO	58	GCO	SA	226144	45	2614445A	699	T-403	SCHMIDT	0.5	SW		ASTM194	861/622		
090126-GCO	59	GCO	SA	226144	46	2614446A	618	T-404	SCHMIDT	0.5	SW		ASTM194	865/629		
090126-GCO	60	GCO	SA	226144	47	2614447A	849	T-405	SCHMIDT	0.5	SW		ASTM194	866/612		
090126-GCO	61	GCO	SA	226144	48	2614448A	506	T-406	SCHMIDT	0.5	SW		ASTM194	873/652		
090126-GCO	62	GCO	SA	226144	49	2614449A	823	T-407	SCHMIDT	0.5	SW		ASTM194	875/604		
090126-GCO	63	GCO	SA	226144	50	2614450A	789	T-408	SCHMIDT	0.5	SW		ASTM194	869/586		
090126-GCO	64	GCO	SA	226144	51	2614451A	732	T-409	SCHMIDT	0.5	SW		ASTM194	863/611		
090126-GCO	65	GCO	SA	226144	52	2614452A	709	T-410	SCHMIDT	0.5	SW		ASTM194	877/643		
090126-GCO	66	GCO	SA	226144	53	2614453A	750	T-411	SCHMIDT	0.5	SW		ASTM194	867/730		
090126-GCO	67	GCO	SA	226144	54	2614454A	503	T-412	SCHMIDT	0.5	SW		ASTM194	598/901		
090126-GCO	68	GCO	SA	226144	55	2614455A	695	T-413	SCHMIDT	0.5	SW		ASTM194	874/595		
090126-GCO	69	GCO	SA	226144	56	2614456A	738	T-414	SCHMIDT	0.5	SW		ASTM194	883/692		
090126-GCO	70	GCO	SA	226144	57	2614457A	895	T-501	SCHMIDT	0.5	SW		ASTM194	883/626		
090126-GCO	71	GCO	SA	226144	58	2614458A	728	T-502	SCHMIDT	0.5	SW		ASTM194	892/742		
090126-GCO	72	GCO	SA	226144	59	2614459A	858	T-503	SCHMIDT	0.5	SW		ASTM194	892/628		
090126-GCO	73	GCO	SA	226144	60	2614460A	556	T-504	SCHMIDT	0.5	SW		ASTM194	881/604		
090126-GCO	74	GCO	SA	226144	61	2614461A	627	T-505	SCHMIDT	0.5	SW		ASTM194	872/587		
090126-GCO	75	GCO	SA	226144	62	2614462A	760	T-506	SCHMIDT	0.5	SW		ASTM194	888/642		
090126-GCO	76	GCO	SA	226144	63	2614463A	696	T-507	SCHMIDT	0.5	SW		ASTM194	877/657		

REVIEWED

Daily Analytical Batch

DAB: 090126-GCO

GCO

DAB	RUN	INST:	TYPE	SDG	ID	File ID	Can	Description	Client	Vol	Tech	Qual	Method	Comments	Qedit	Proc:
090126-GCO	77	GCO	SA	226144	64	2614464A	768	T-508	SCHMIDT	0.5	SW		ASTM194	908/659		
090126-GCO	78	GCO	SA	226144	65	2614465A	837	T-509	SCHMIDT	0.5	SW		ASTM194	890/646		
090126-GCO	79	GCO	SA	226144	66	2614466A	642	T-510	SCHMIDT	0.5	SW		ASTM194	902/720		
090126-GCO	80	GCO	SA	226144	67	2614467A	786	T-511	SCHMIDT	0.5	SW		ASTM194	860/654		
090126-GCO	81	GCO	SA	226144	68	2614468A	877	T-512	SCHMIDT	0.5	SW		ASTM194	890/616		
090126-GCO	82	GCO	SA	226144	69	2614469A	892	T-513	SCHMIDT	0.5	SW		ASTM194	874/660		
090126-GCO	83	GCO	SA	226144	70	2614470A	775	T-514	SCHMIDT	0.5	SW		ASTM194	890/624		

REVIEWED

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 70

Client: C.E. Schmidt
Client ID: T-514
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 775
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	714			
Final:	714			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Hellum Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 69

Client: C.E. Schmidt
Client ID: T-513
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 892
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:48
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	668		
Final:	668		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 68

Client: C.E. Schmidt
Client ID: T-512
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 877
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	654			
Final:	654			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 67

Client: C.E. Schmidt
Client ID: T-511
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 786
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:40
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	665			
Final:	665			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 66

Client: C.E. Schmidt
Client ID: T-510
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:44
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	642		
Final:	642		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 65

Client: C.E. Schmidt
Client ID: T-509
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 837
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 11:47
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	660		
Final:	660		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/23/2026

226144 64

Client: C.E. Schmidt
Client ID: T-508
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 768
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Initial : 656
Final: 656
Factor: 1.00

Sampled: 7/24/2026 Time: 10:33
Received: 7/24/2026 Time: 16:10

Date:

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 63

Client: C.E. Schmidt
Client ID: T-507
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 696
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:37
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	633		
Final:	633		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 62

Client: C.E. Schmidt
Client ID: T-506
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 760
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:31
Received: 7/24/2026 Time: 16:10

Date:
Initial : 660
Final: 660
Factor: 1.00

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 61

Client: C.E. Schmidt
Client ID: T-505
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 627
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 10:36
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	672		
Final:	672		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 60

Client: C.E. Schmidt
Client ID: T-504
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Pressurization:
Sampled: 7/24/2026 Time: 9:21
Received: 7/24/2026 Time: 16:10

Can Number: 556
FC Number: 0
TAT Working:
Sampling Time:
Flow:

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 59

Client: C.E. Schmidt
Client ID: T-503
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 858
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:29
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	664		
Final:	664		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 58

Client: C.E. Schmidt
Client ID: T-502
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 728
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	668			
Final:	668			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/23/2026 | 226144 | 57

Client: C.E. Schmidt
Client ID: T-501
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 895
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/24/2026 Time: 9:22
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 56

Client: C.E. Schmidt
Client ID: T-414
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 738
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	688			
Final:	688			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 55

Client: C.E. Schmidt
Client ID: T-413
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 695
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	648		
Final:	648		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 54

Client: C.E. Schmidt
Client ID: T-412
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 503
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	650			
Final:	650			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 53

Client: C.E. Schmidt
Client ID: T-411
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 750
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:07
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	666		
Final:	666		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 52

Client: C.E. Schmidt
Client ID: T-410
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 709
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:09
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	646		
Final:	646		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 51

Client: C.E. Schmidt
Client ID: T-409
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 732
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 11:10
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	660			
Final:	660			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 50

Client: C.E. Schmidt
Client ID: T-408
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 789
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:11
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	636		
Final:	636		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 49

Client: C.E. Schmidt
Client ID: T-407
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 823
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:07
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	652			
Final:	652			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 48

Client: C.E. Schmidt
Client ID: T-406
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 506
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 10:02
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	673			
Final:	673			
Factor:	1.00			

LABORATORY | **Analytical Test:** | Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions | Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria

Report Types: PDF Only

EDD Instructions | **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 47

Client: C.E. Schmidt
Client ID: T-405
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 849
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	660			
Final:	660			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945 ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 46

Client: C.E. Schmidt
Client ID: T-404
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 618
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	676		
Final:	676		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 45

Client: C.E. Schmidt
Client ID: T-403
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 699
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:04
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	666			
Final:	666			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/22/2026

226144 44

Client: C.E. Schmidt
Client ID: T-402
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 740
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 9:00
Received: 7/24/2026 Time: 16:10

	Date:		
Initial : 681			
Final: 681			
Factor: 1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/22/2026 | 226144 | 43

Client: C.E. Schmidt
Client ID: T-401
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 643
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/23/2026 Time: 8:59
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	675			
Final:	675			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 42

Client: C.E. Schmidt
Client ID: T-314
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 662
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:30
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	724		
Final:	724		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 41

Client: C.E. Schmidt
Client ID: T-313
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 766
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:26
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 40

Client: C.E. Schmidt
Client ID: T-312
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 730
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:23
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	676			
Final:	676			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 39

Client: C.E. Schmidt
Client ID: T-311
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 605
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:15
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	671		
Final:	671		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 38

Client: C.E. Schmidt
Client ID: T-310
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 654
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:22
Received: 7/24/2026 Time: 16:10

Date:
Initial : 653
Final: 653
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 37

Client: C.E. Schmidt
Client ID: T-309
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 647
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 11:17
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	671			
Final:	671			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 36

Client: C.E. Schmidt
Client ID: T-308
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 608
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:59
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	382		
Final:	382		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 35

Client: C.E. Schmidt
Client ID: T-307
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 698
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	665		
Final:	665		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 34

Client: C.E. Schmidt
Client ID: T-306
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 708
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 10:01
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	673			
Final:	673			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 33

Client: C.E. Schmidt
Client ID: T-305
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 741
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 9:58
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	670		
Final:	670		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis 30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 32

Client: C.E. Schmidt
Client ID: T-304
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 745
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:25
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	679		
Final:	679		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 31

Client: C.E. Schmidt
Client ID: T-303
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 754
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	689			
Final:	689			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/21/2026

226144 30

Client: C.E. Schmidt
Client ID: T-302
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 897
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:28
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	669		
Final:	669		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:		Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/21/2026 | 226144 | 29

Client: C.E. Schmidt
Client ID: T-301
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 659
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/22/2026 Time: 8:23
Received: 7/24/2026 Time: 16:10

Date:
Initial : 688
Final: 688
Factor: 1.00

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 28

Client: C.E. Schmidt
Client ID: T-214
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 692
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:38
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	715			
Final:	715			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 27

Client: C.E. Schmidt
Client ID: T-213
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 655
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:19
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	664		
Final:	664		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 26

Client: C.E. Schmidt
Client ID: T-212
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 710
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:15
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	652		
Final:	652		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 25

Client: C.E. Schmidt
Client ID: T-211
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 762
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:10
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	649			
Final:	649			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 24

Client: C.E. Schmidt
Client ID: T-210
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 679
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	678		
Final:	678		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 23

Client: C.E. Schmidt
Client ID: T-209
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 856
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	666		
Final:	666		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis 30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 22

Client: C.E. Schmidt
Client ID: T-208
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 526
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:45
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	675		
Final:	675		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 21

Client: C.E. Schmidt
Client ID: T-207
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 694
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:53
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	669		
Final:	669		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis 30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 20

Client: C.E. Schmidt
Client ID: T-206
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 809
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:51
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	661		
Final:	661		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 19

Client: C.E. Schmidt
Client ID: T-205
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 761
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 10:52
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	674		
Final:	674		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis 30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 18

Client: C.E. Schmidt
Client ID: T-204
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 688
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:33
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	649		
Final:	649		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis 30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 17

Client: C.E. Schmidt
Client ID: T-203
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 668
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:37
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	693		
Final:	693		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due:

Expires: 8/20/2026

226144 16

Client: C.E. Schmidt
Client ID: T-202
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 803
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:11
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	683		
Final:	683		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/20/2026 | 226144 | 15

Client: C.E. Schmidt
Client ID: T-201
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 653
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/21/2026 Time: 9:16
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	687			
Final:	687			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 14

Client: C.E. Schmidt
Client ID: T-114
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 529
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Date:
Initial : 850
Final: 850
Factor: 1.00

Sampled: 7/20/2026 Time: 12:51
Received: 7/24/2026 Time: 16:10

LABORATORY	Analytical Test:		Sample Location:
InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 13

Client: C.E. Schmidt
Client ID: T-113
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 859
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:11
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	657			
Final:	657			
Factor:	1.00			

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 12

Client: C.E. Schmidt
Client ID: T-112
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 663
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Date:
Initial : 662
Final: 662
Factor: 1.00

Sampled: 7/20/2026 Time: 12:17
Received: 7/24/2026 Time: 16:10

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 11

Client: C.E. Schmidt
Client ID: T-111
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 645
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:02
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	640		
Final:	640		
Factor:	1.00		

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 10

Client: C.E. Schmidt
Client ID: T-110
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 800
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:05
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	672			
Final:	672			
Factor:	1.00			

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria

Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 9

Client: C.E. Schmidt
Client ID: T-109
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 638
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 12:14
Received: 7/24/2026 Time: 16:10

Date:
Initial : 660
Final: 660
Factor: 1.00

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 8

Client: C.E. Schmidt
Client ID: T-108
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 551
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:57
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	669		
Final:	669		
Factor:	1.00		

LABORATORY

Analytical Test:

Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only

EDD Instructions EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 7

Client: C.E. Schmidt
Client ID: T-107
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 182
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 11:03
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	662			
Final:	662			
Factor:	1.00			

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 6

Client: C.E. Schmidt
Client ID: T-106
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 755
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:59
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	657			
Final:	657			
Factor:	1.00			

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only

EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 5

Client: C.E. Schmidt
Client ID: T-105
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 885
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 11:00
Received: 7/24/2026 Time: 16:10

	Date:		
Initial :	647		
Final:	647		
Factor:	1.00		

LABORATORY **Analytical Test:** Sample Location:

InstrumentMethod:	Item Description:		Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 4

Client: C.E. Schmidt
Client ID: T-104
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 990
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 9:58
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	678			
Final:	678			
Factor:	1.00			

LABORATORY | **Analytical Test:** | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions | Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions EAS QC Criteria
Report Types: PDF Only
EDD Instructions **EDD Type:**

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 3

Client: C.E. Schmidt
Client ID: T-103
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 548
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

	Date:			
Initial :	664			
Final:	664			
Factor:	1.00			

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due: | Expires: 8/19/2026 | 226144 | 2

Client: C.E. Schmidt
Client ID: T-102
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 737
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:05
Received: 7/24/2026 Time: 16:10

Date:
Initial : 687
Final: 687
Factor: 1.00

LABORATORY

Analytical Test: | Sample Location:

InstrumentMethod:	Item Description:	Holding Time:
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis 30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions | EAS QC Criteria
Report Types: PDF Only
EDD Instructions | EDD Type:

Laboratory Worksheet

Due:

Expires: 8/19/2026

226144 1

Client: C.E. Schmidt
Client ID: T-101
Description:
Project Name: Chiquita Canyon
EAS Project: 17807 EAS PM: David Atkinson

MS Load Vol: 300
MS SIM Vol:
GCK Load Vol: 200
GCP Load Vol:
Sample Volume:

Media: CAN
Can Number: 758
FC Number: 0
TAT Working:
Sampling Time:
Flow:

Can Pressurization:

Sampled: 7/20/2026 Time: 10:03
Received: 7/24/2026 Time: 16:10

Date:
Initial : 683
Final: 683
Factor: 1.00

LABORATORY

Analytical Test:

Sample Location:

Holding Time:

InstrumentMethod:	Item Description:		
GCO	ASTM D1945	ASTM D1945 Permanent Gas Analysis	30

Analysis Instructions

Sample Type:

WE WILL NEED A DATA PACKAGE:
TO-15 Full List - Process with Special Template + Acrolein
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen

TO-15 Full List - Process with Special Template + Acrolein + 1,1 DFA - Print Tracer Report Page
TO-12 TNMHC Process with Detailed Hydrocarbon Analysis Template - Report TNMHC C2-C12
ASTM D1945 Helium Carrier Gas - Run Permanent Gas List including H2. Normaliaze for N2 result
ASTM D1945 Hydrogen, put Hydrogen result in Permanent Gas Template

Report Instructions: EAS QC Criteria
Report Types: PDF Only
EDD Instructions EDD Type:

Sample Data Packages

SDG Number 226144

Lab Id Number 1

Client ID T-101

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 01

File Name: 2614401A
Description: T-101
Can/Tube#: 758
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 12:51
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.538	0.576	ND	5,384	5,761	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.86	708	758	178,593	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	152	ND	ND

QUANTITATION REPORT
ASTM D1945 GC/TCD

File Name:	2614401A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	01		SF:	2	
Description:	T-101		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 10:03	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 12:51	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	758				
Can Factor	1.42				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28385
7727-37-9	Nitrogen	03	2.05	2.01	169018
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name:	2614401A
QCBatch	090126-GCO
Can Factor	1.42
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.42
Gas Constant:	24.4
Decimal Places:	2

Detect Flag: ND
Report Normalized: **No**

Temp	**25**	C
Atm P	**760.0**	torr
Gas Constant	24.4	
RL Factor	**1.07**	

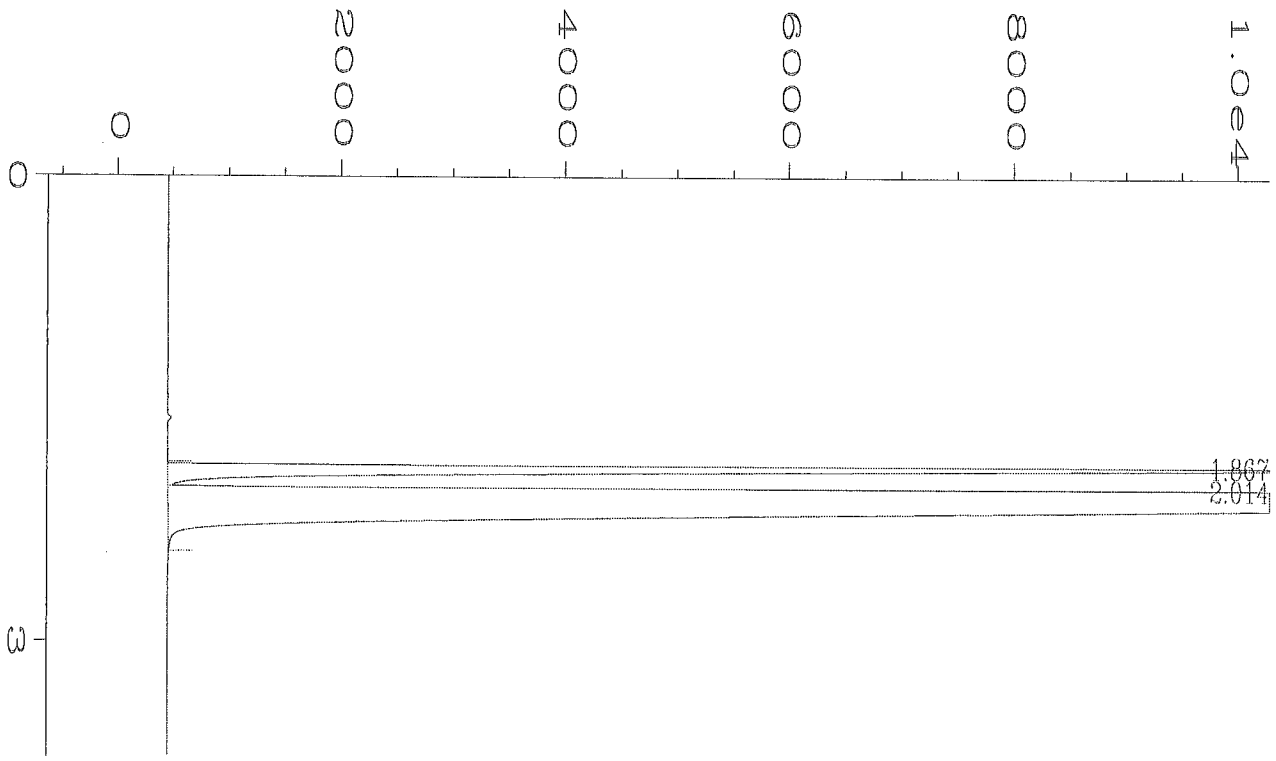
SDG: 226144
Laboratory Number: 01

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.538	0.576	0.538	0.576	5,384	5,761	U
Oxygen	32.00	17.86	17.86	17.86	178,593	17.86	17.86	500	0.071	0.076	0.071	0.076	708	758	
Nitrogen	28.01	82.14	82.14	82.14	821,407	82.14	82.14	1000	0.142	0.152	0.142	0.152	1,417	1,516	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Sum - N2		17.86	100.00												
Sum		100.0													
Total Nitrogen		98.12													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614401MA.D
Operator : DA
Instrument : GCL
Sample Name : T-101
Run Time Bar Code:
Acquired on : 01 Sep 26 12:51 PM
Report Created on: 03 Sep 26 01:09 PM

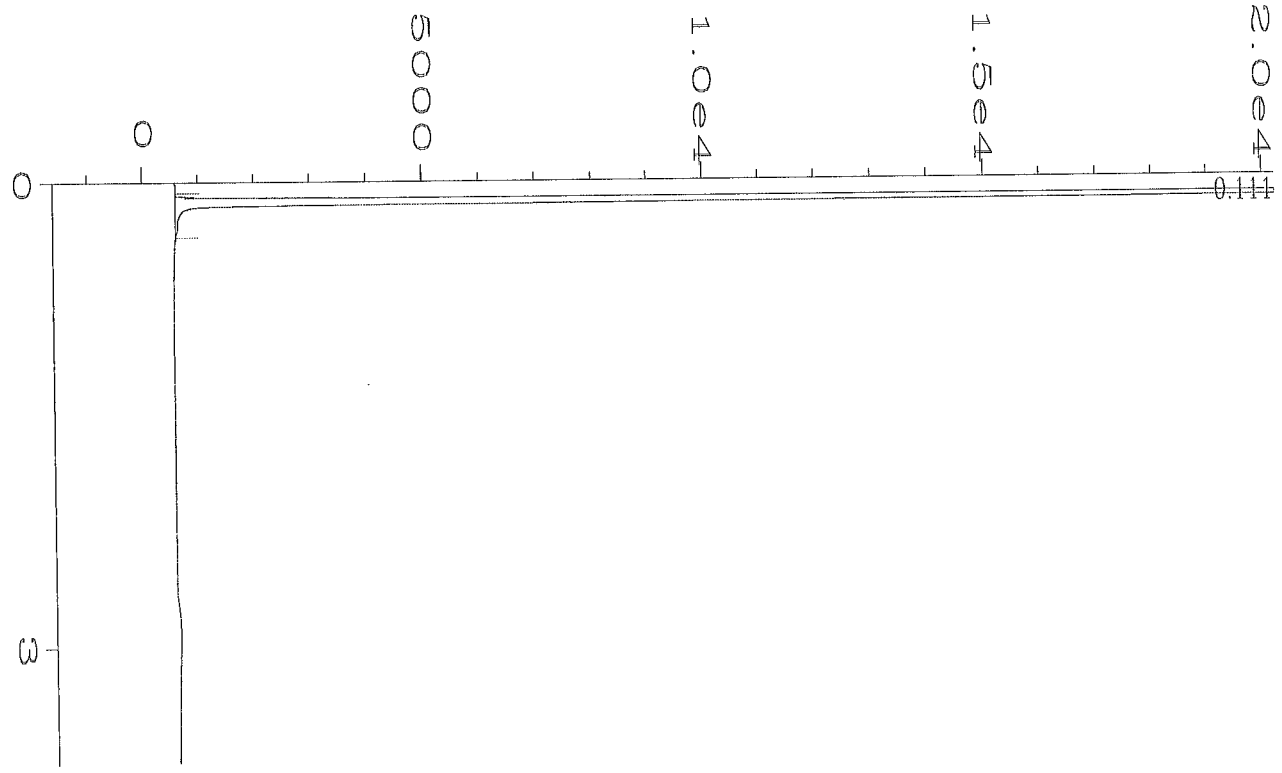
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

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Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.867	28385	11418	BV	0.034	14.3791
2	2.014	169018	24292	VB	0.093	85.6209

Total area = 197402

==========



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614401PA.D
Operator : DA
Instrument : GCL
Sample Name : T-101
Run Time Bar Code:
Acquired on : 01 Sep 26 12:51 PM
Report Created on: 03 Sep 26 01:09 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614401PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	257453	255541	BB S	0.016	100.0000

Total area = 257453

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 2

Client ID T-102

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 02

File Name: 2614402A
Description: T-102
Can/Tube#: 737
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:05
Date Analyzed: 09/01/26 **Time:** 12:58
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,410	5,789	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.64	712	762	176,376	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	152	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614402A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	02		SF:	2	
Description:	T-102		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 10:05	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 12:58	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	737				
Can Factor	1.42				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**27898**
7727-37-9	Nitrogen	03	2.05	2.02	**168057**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95		**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

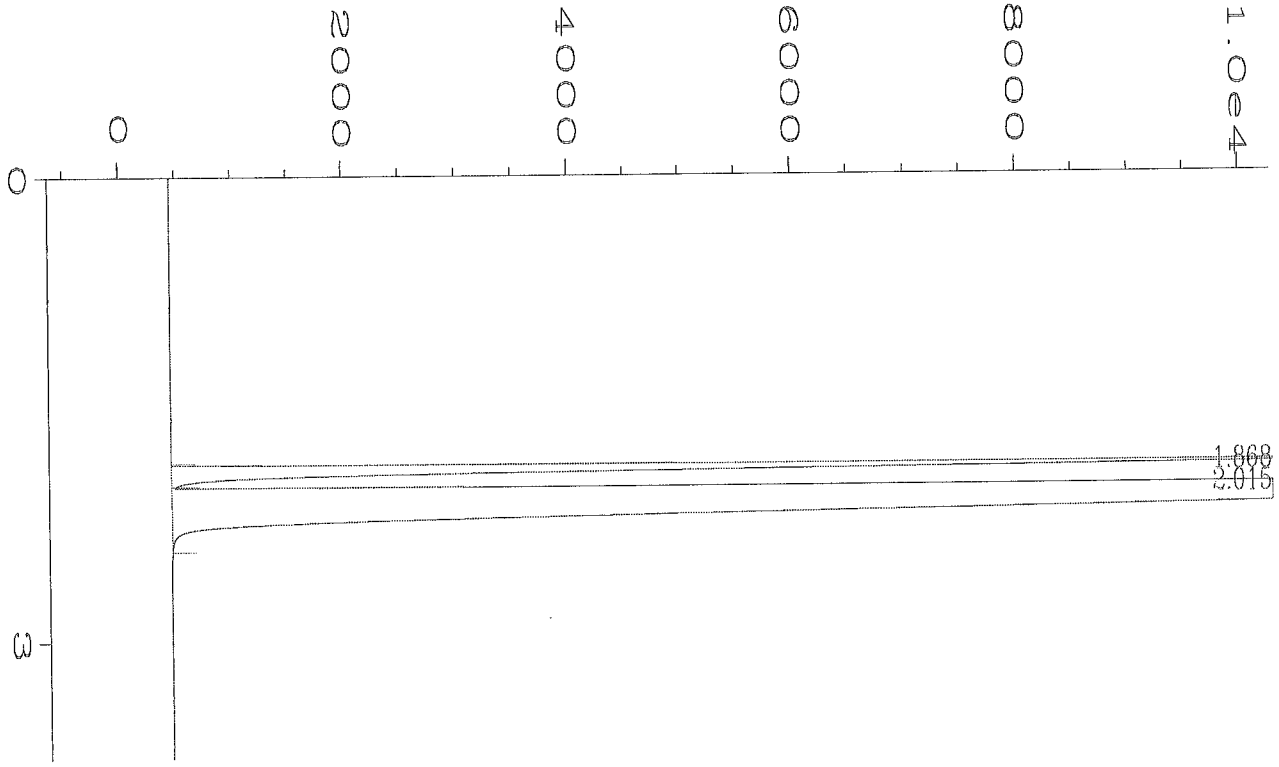
SDG: 226144

Laboratory Number: 02

File Name:	2614402A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.42				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.42		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.541	0.579	0.541	0.579	5,410	5,789	U
Oxygen	32.00	17.64	17.64	17.64	176,376	17.64	17.64	500	0.071	0.076	0.071	0.076	712	762	
Nitrogen	28.01	82.36	82.36	82.36	823,624	82.36	82.36	1000	0.142	0.152	0.142	0.152	1,424	1,523	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Sum - N2		17.64	100.00												
Sum		100.0													
Total Nitrogen		98.04													

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

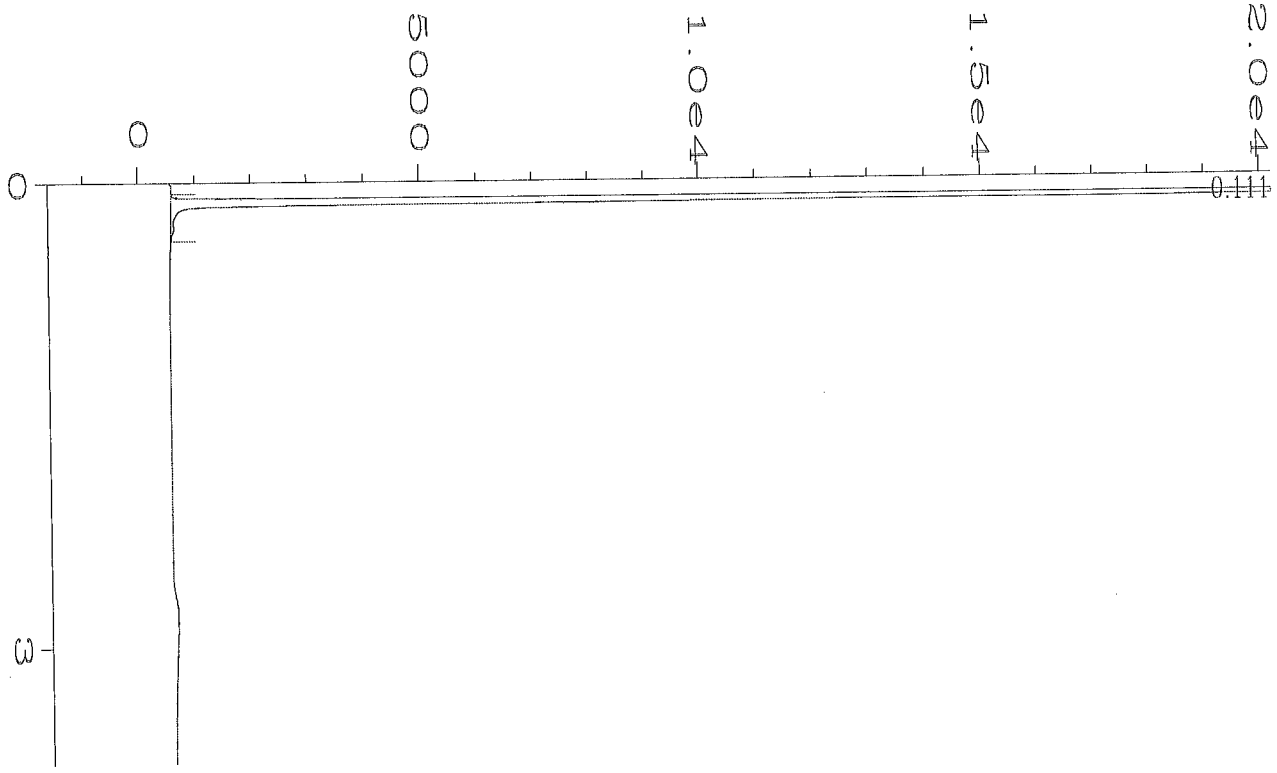
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Operator : DA
Instrument : GCL
Sample Name : T-102
Run Time Bar Code:
Acquired on : 01 Sep 26 12:58 PM
Report Created on: 03 Sep 26 01:09 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614402MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.868	27898	11538	BV	0.033	14.2369
2	2.015	168057	24397	VB	0.090	85.7631

Total area = 195955



Area Percent Report

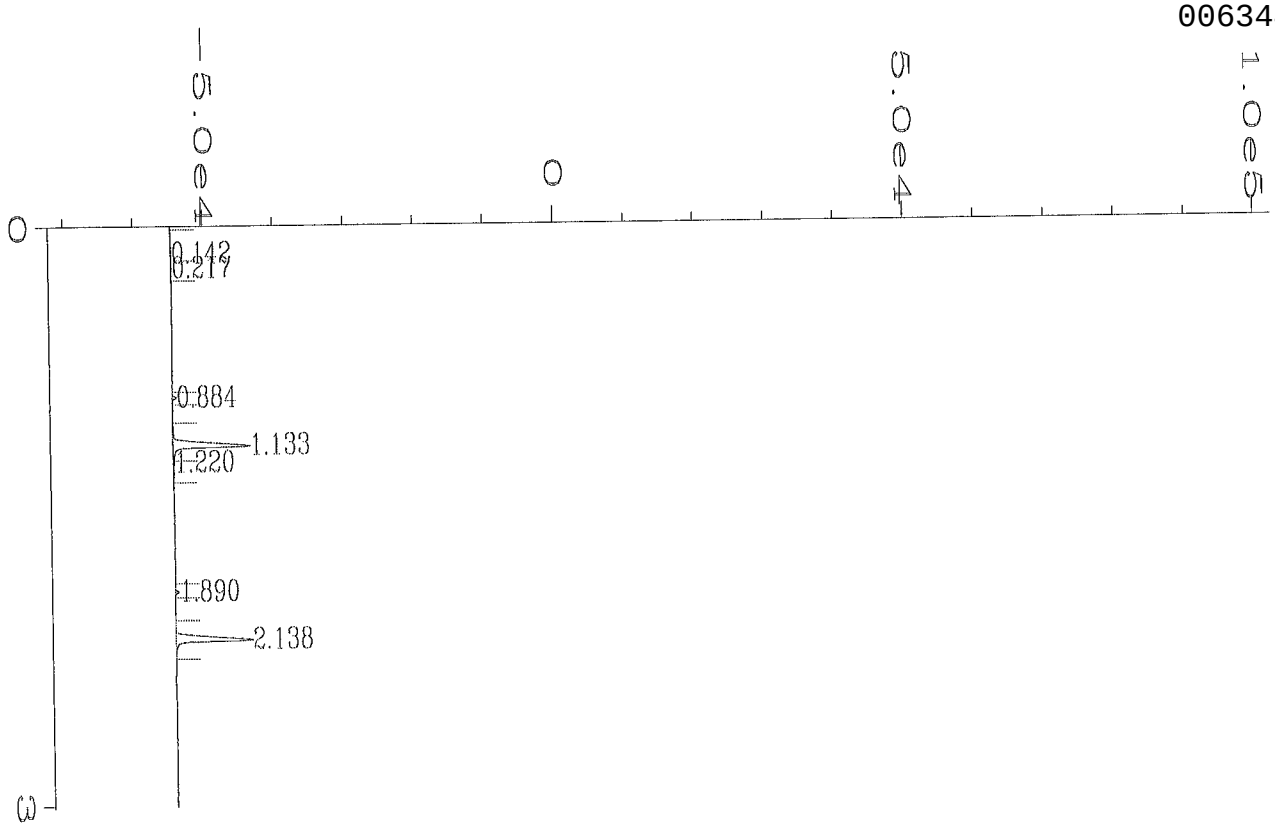
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614402PA.D
Operator : DA
Instrument : GCL
Sample Name : T-102
Run Time Bar Code:
Acquired on : 01 Sep 26 12:58 PM
Report Created on: 03 Sep 26 01:09 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614402PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	257285	256811	BB S	0.016	100.0000

Total area = 257285



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614402A.D
Operator : DA
Instrument : GCL
Sample Name : T-102
Run Time Bar Code:
Acquired on : 08 Sep 26 02:08 PM
Report Created on: 09 Aug 26 12:32 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614402A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.142	692	117	BV	0.098	1.7868
2	0.217	457	129	VV	0.054	1.1817
3	0.884	591	611	PV	0.019	1.5277
4	1.133	18487	11132	PV	0.026	47.7557
5	1.220	803	184	VV	0.073	2.0738
6	1.890	506	603	PV	0.014	1.3084
7	2.138	17175	10841	BV	0.025	44.3659

Total area = 38712

Sample Data Packages

SDG Number 226144

Lab Id Number 3

Client ID T-103

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 03

File Name: 2614403A
Description: T-103
Can/Tube#: 548
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:03
Date Analyzed: 09/01/26 **Time:** 13:02
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,071	5,426	ND	ND
7782-44-7	Oxygen	0.067	0.072	17.59	667	714	175,930	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	133	143	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614403A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	03		SF:	2	
Description:	T-103		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 10:03	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 13:02	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	548				
Can Factor	1.33				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29692
7727-37-9	Nitrogen	03	2.05	2.02	166945
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

Laboratory Number: 03

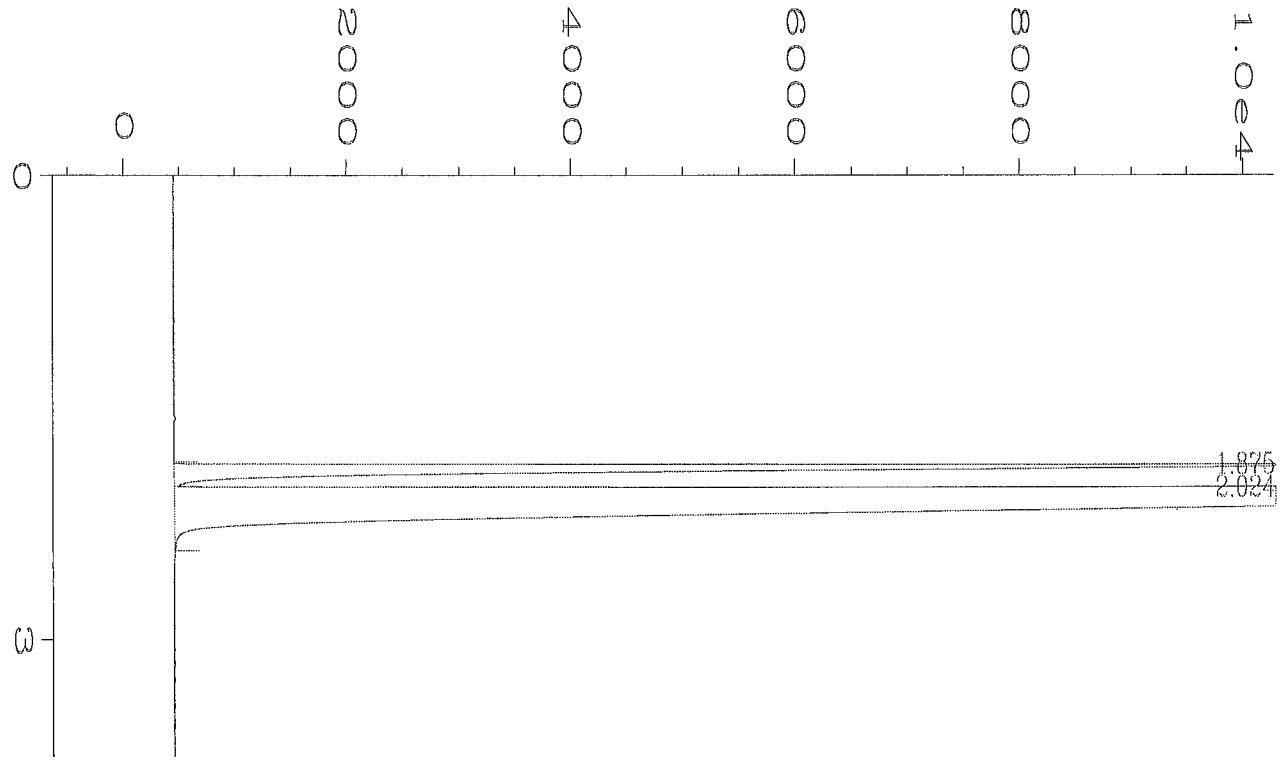
File Name:	2614403A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.33				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.33		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.507	0.543	0.507	0.542	5,071	5,426	U
Oxygen	32.00	17.59	17.59	17.59	175,930	17.59	17.59	500	0.067	0.071	0.067	0.072	667	714	
Nitrogen	28.01	82.41	82.41	82.41	824,070	82.41	82.41	1000	0.133	0.143	0.133	0.142	1,334	1,428	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	133	143	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	133	143	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	133	143	U
Sum - N2		17.59	100.00												
Sum		100.0													
Total Nitrogen		91.27													

226144 of 886

006348 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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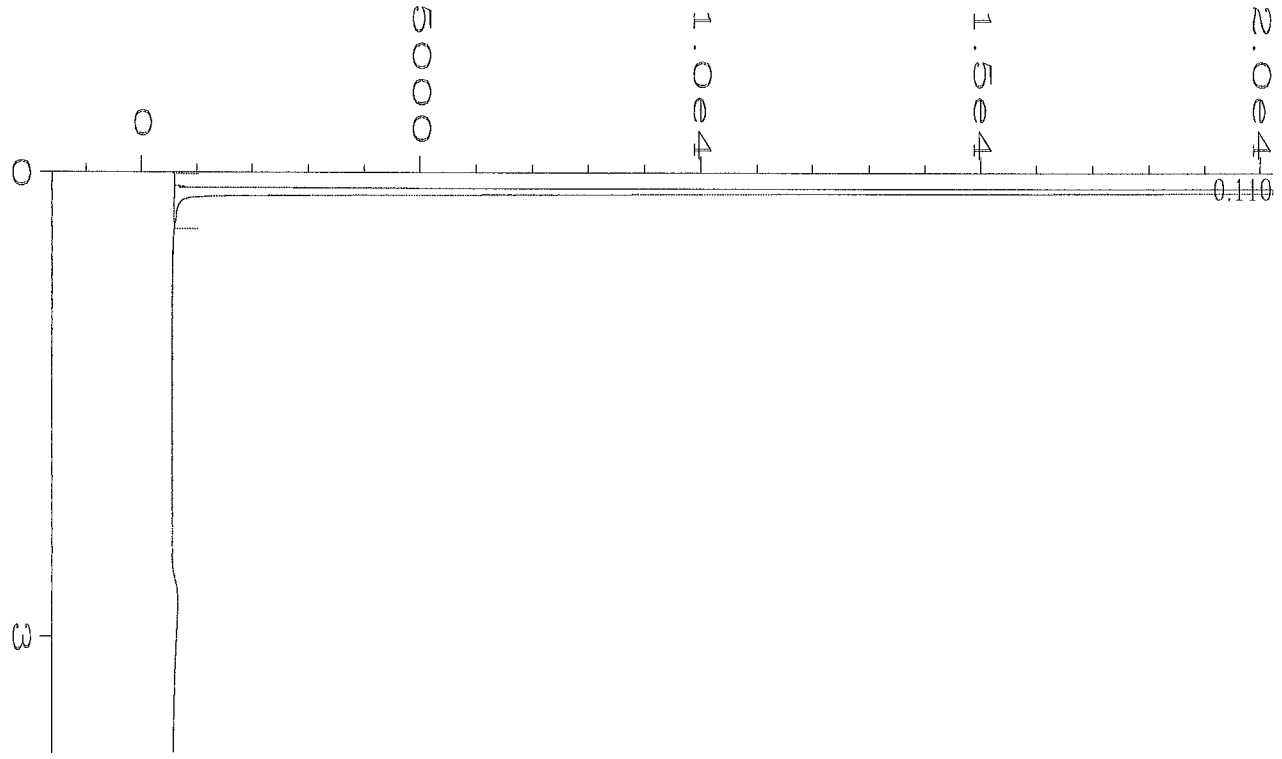
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614403MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-103
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 01:02 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:10 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614403MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.875	29692	11839	BV	0.034	15.0998
2	2.024	166945	24084	VB	0.092	84.9002

Total area = 196636

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Area Percent Report

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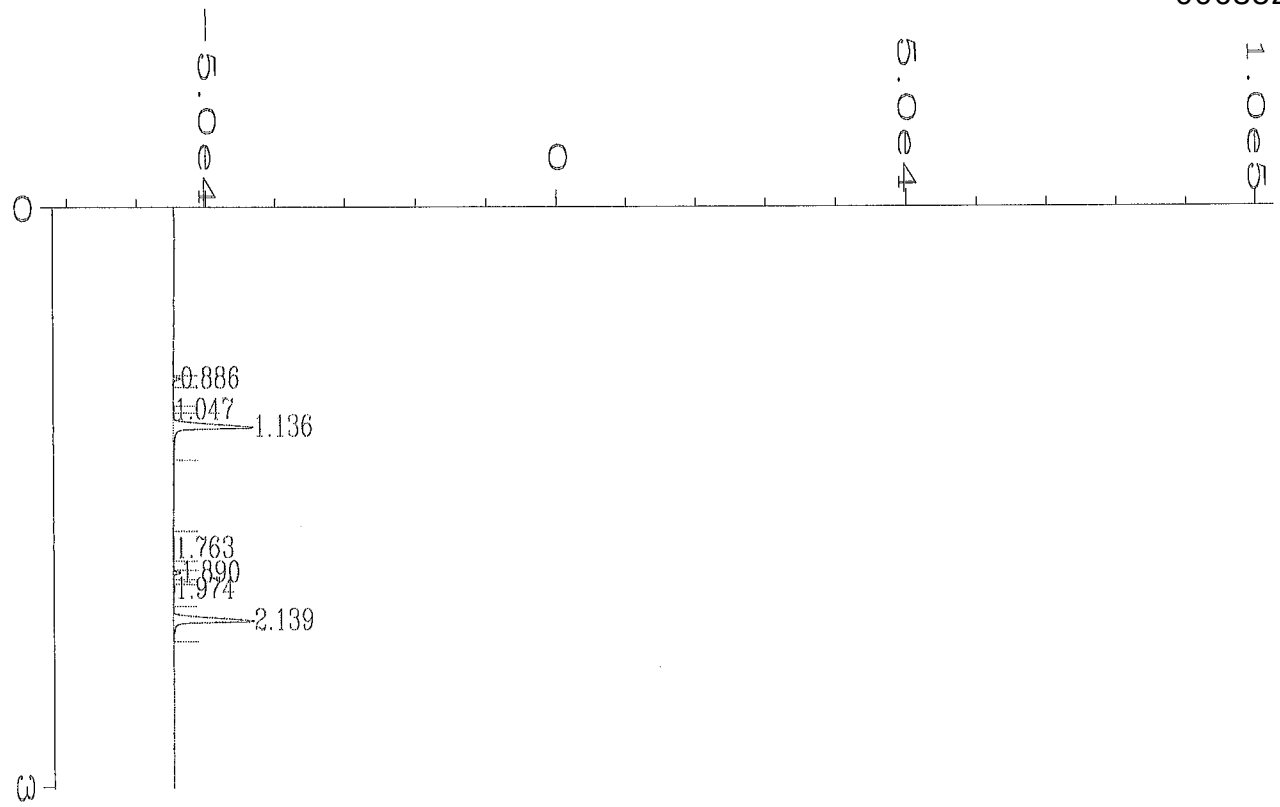
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614403PA.D
Operator : DA Page Number : 1
Instrument : GCL Vial Number :
Sample Name : T-103 Injection Number :
Run Time Bar Code: Sequence Line :
Acquired on : 01 Sep 26 01:02 PM Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:10 PM Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614403PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	257635	245784	BB S	0.016	100.0000

Total area = 257635

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614403A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-103
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 02:12 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:33 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614403A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.886	848	969	PV	0.021	2.0071
2	1.047	236	155	PV	0.025	0.5584
3	1.136	19908	11625	VV	0.026	47.0949
4	1.763	860	161	BV	0.071	2.0355
5	1.890	937	1029	VV	0.020	2.2176
6	1.974	637	180	VV	0.048	1.5061
7	2.139	18845	11811	PV	0.035	44.5804

Total area = 42272

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Sample Data Packages

SDG Number 226144

Lab Id Number 4

Client ID T-104

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 04

File Name: 2614404A
Description: T-104
Can/Tube#: 990
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 13:06
Can Dilution Factor: 1.53

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.583	0.624	ND	5,830	6,238	ND	ND
7782-44-7	Oxygen	0.077	0.082	17.81	767	821	178,081	
630-08-0	Carbon Monoxide	0.015	0.016	ND	153	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	153	164	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614404A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	04		SF:	2	
Description:	T-104		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 9:58	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 13:06	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	990				
Can Factor	1.53				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	26141
7727-37-9	Nitrogen	03	2.05	2.02	172965
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

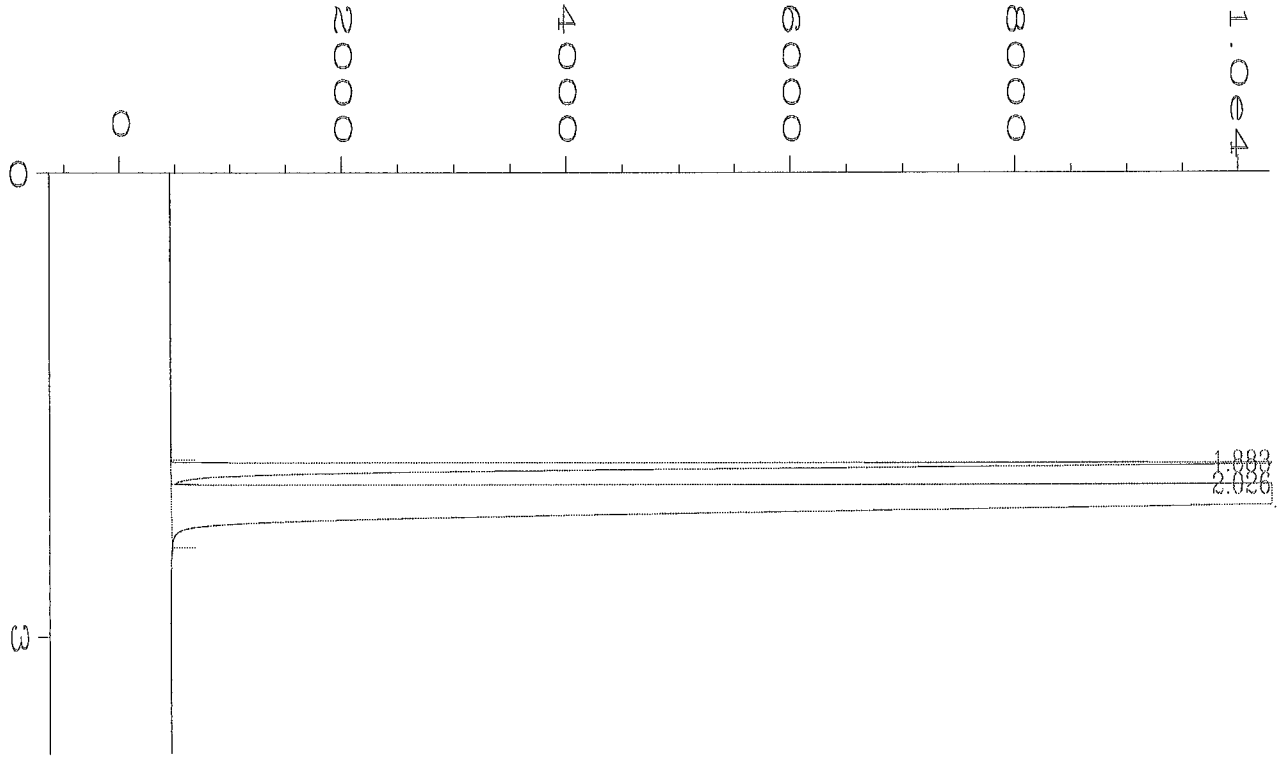
Laboratory Number: 04

File Name:	2614404A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.53				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.53		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.583	0.624	0.583	0.624	5,830	6,238	U
Oxygen	32.00	17.81	17.81	17.81	178,081	17.81	17.81	500	0.077	0.082	0.077	0.082	767	821	
Nitrogen	28.01	82.19	82.19	82.19	821,919	82.19	82.19	1000	0.153	0.164	0.153	0.164	1,534	1,642	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	153	164	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	153	164	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	153	164	U
Sum - N2		17.81	100.00												
Sum		100.0													
Total Nitrogen		108.72													

2006188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614404MA.D
Operator : DA
Instrument : GCL
Sample Name : T-104
Run Time Bar Code:
Acquired on : 01 Sep 26 01:06 PM
Report Created on: 03 Sep 26 01:10 PM

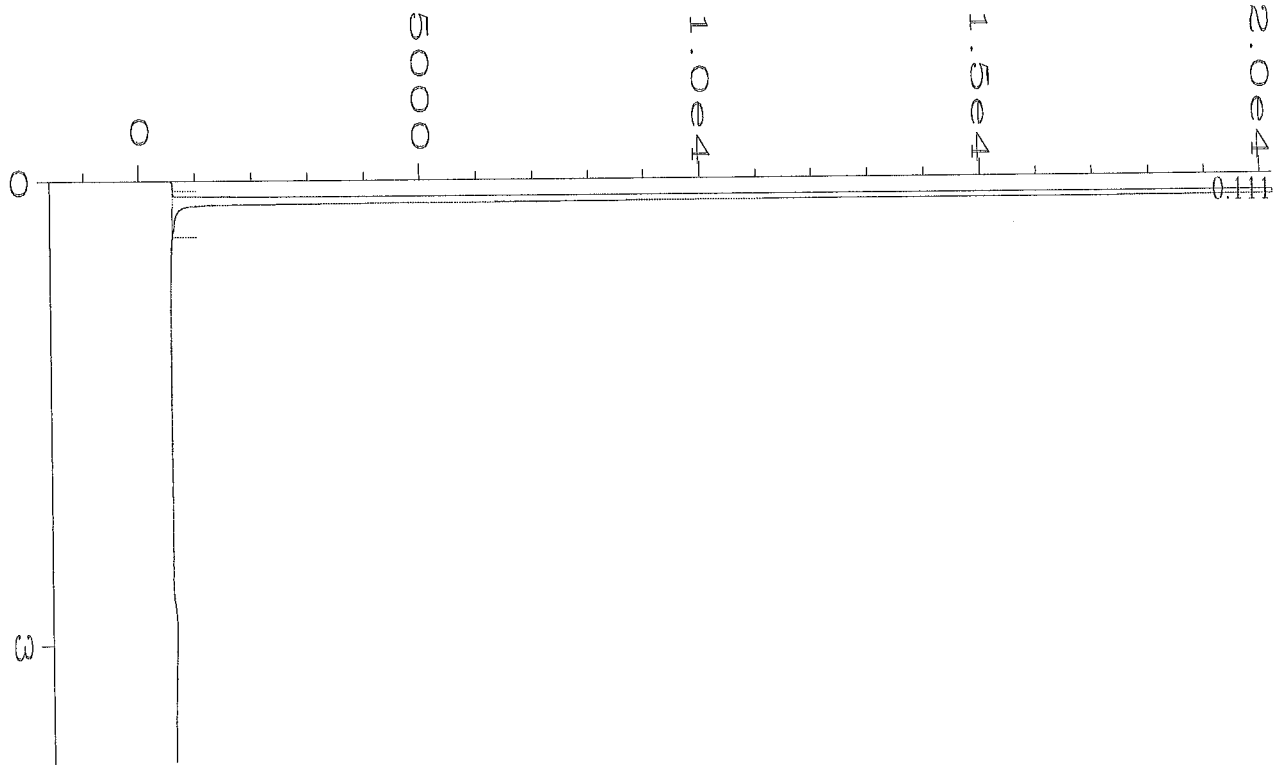
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614404MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.883	26141	10669	BV	0.041	13.1290
2	2.026	172965	24479	VB	0.093	86.8710

Total area = 199105

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614404PA.D
Operator : DA
Instrument : GCL
Sample Name : T-104
Run Time Bar Code:
Acquired on : 01 Sep 26 01:06 PM
Report Created on: 03 Sep 26 01:10 PM

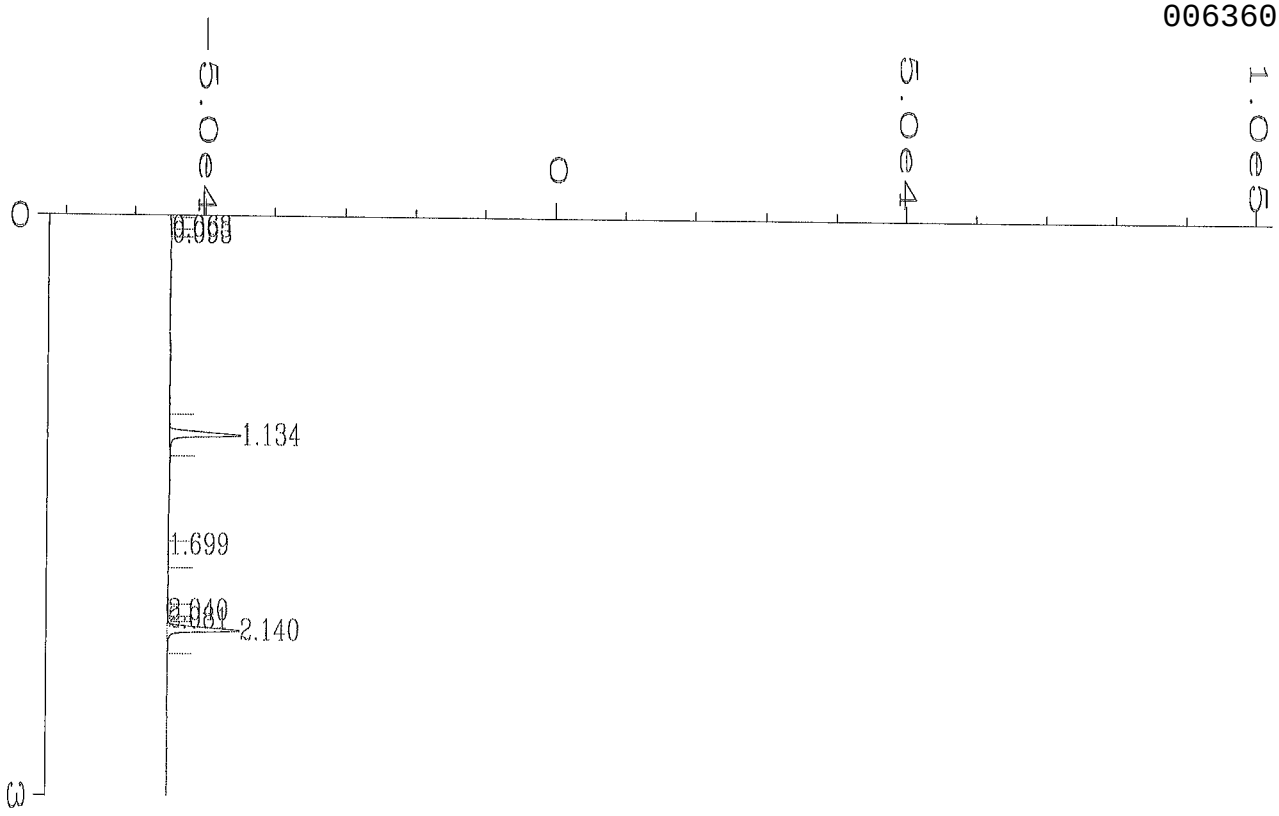
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614404PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	258123	265378	BB S	0.015	100.0000

Total area = 258123

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614404A.D
Operator : DA
Instrument : GCL
Sample Name : T-104
Run Time Bar Code:
Acquired on : 08 Sep 26 02:15 PM
Report Created on: 09 Aug 26 12:34 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614404A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.063	254	122	BV	0.031	0.7291
2	0.093	166	89	VV	0.028	0.4760
3	1.134	16802	10313	PV	0.025	48.3132
4	1.699	340	131	PV	0.056	0.9782
5	2.040	415	140	BV	0.041	1.1943
6	2.081	142	120	VV	0.020	0.4069
7	2.140	16659	10448	VV	0.025	47.9023

Total area = 34776

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 5

Client ID T-105

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 05

File Name: 2614405A
Description: T-105
Can/Tube#: 885
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 11:00
Date Analyzed: 09/01/26 **Time:** 14:04
Can Dilution Factor: 1.50

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.569	0.609	ND	5,693	6,092	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.42	749	802	184,204	
630-08-0	Carbon Monoxide	0.015	0.016	ND	150	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	150	160	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614405A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	05		SF:	2	
Description:	T-105		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 11:00	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 14:04	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	885				
Can Factor	1.50				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	27688
7727-37-9	Nitrogen	03	2.05	2.02	171221
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

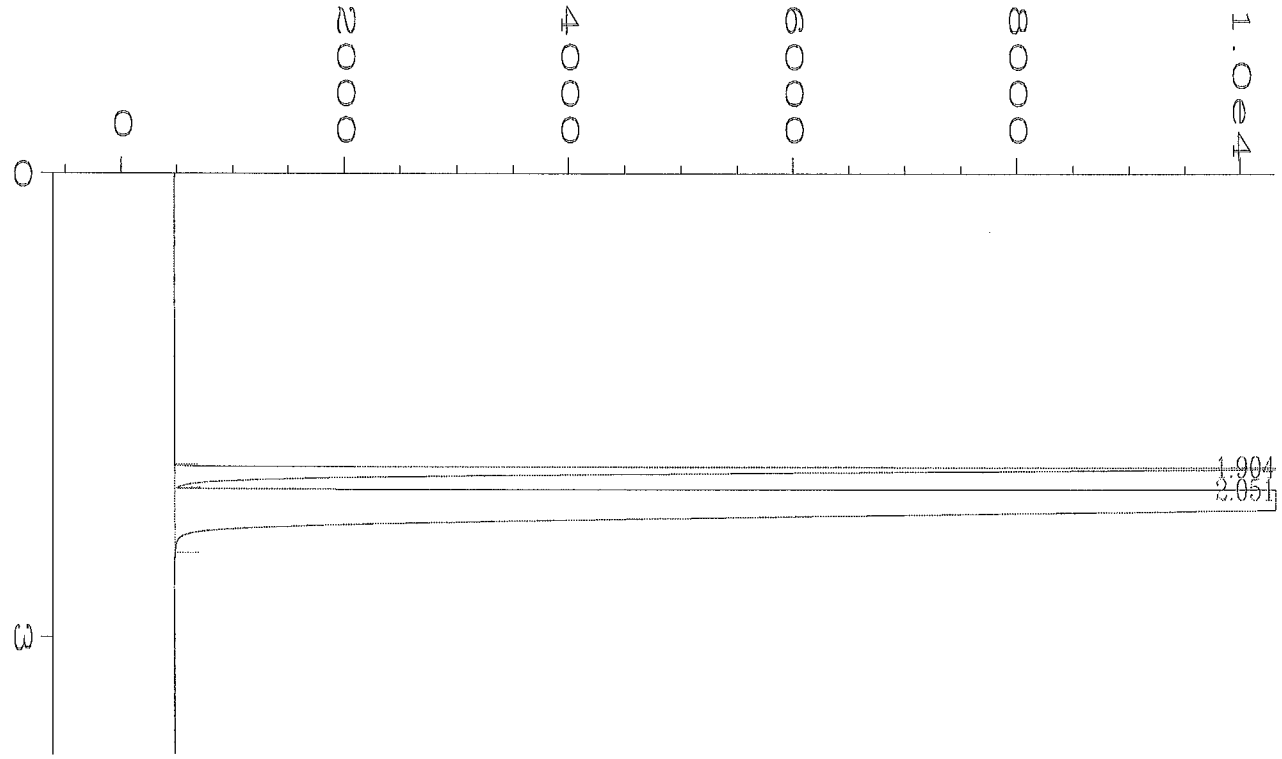
Laboratory Number: 05

File Name:	2614405A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.50				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.50		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.569	0.609	0.569	0.609	5,693	6,092	U
Oxygen	32.00	18.42	18.42	18.42	184,204	18.42	18.42	500	0.075	0.080	0.075	0.080	749	802	
Nitrogen	28.01	81.58	81.58	81.58	815,796	81.58	81.58	1000	0.150	0.160	0.150	0.161	1,498	1,603	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	150	160	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	150	160	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	150	160	U
Sum - N2		18.42	100.00												
Sum		100.0													
Total Nitrogen		105.11													

226144 05 88

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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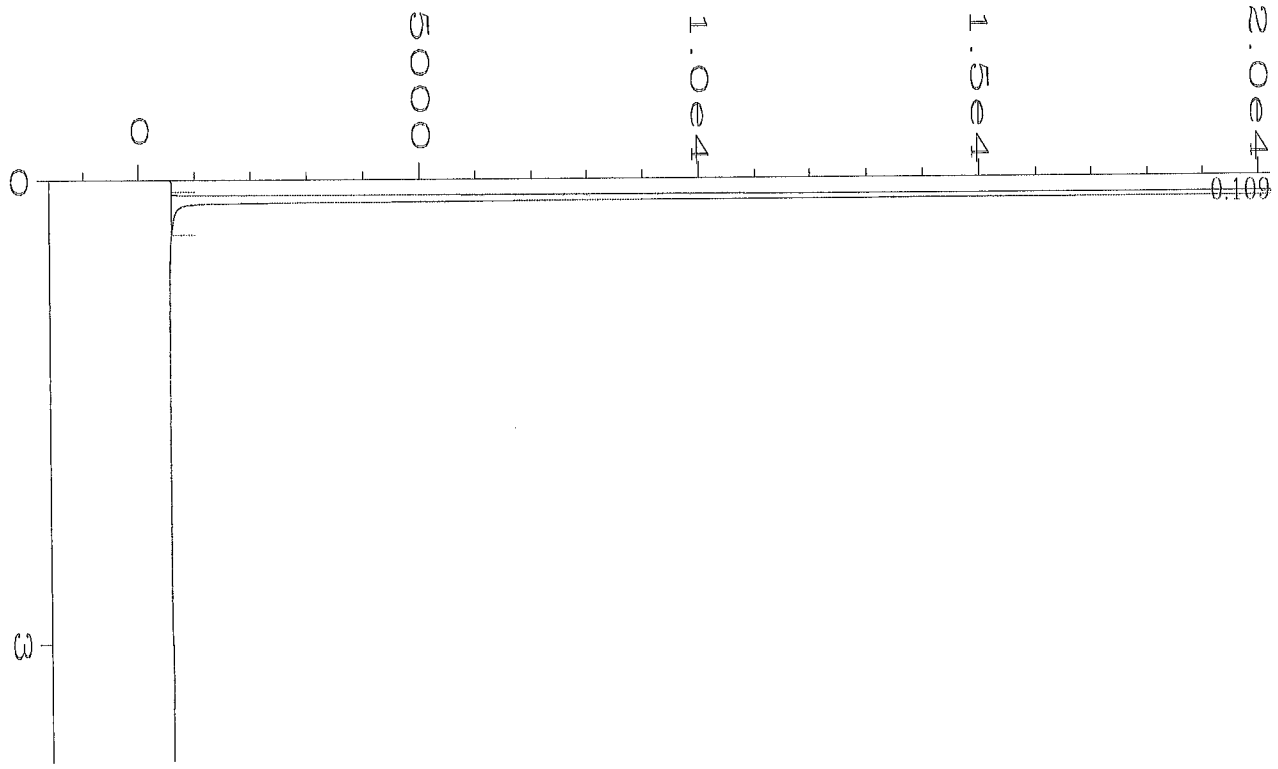
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614405MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-105
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:04 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:10 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614405MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.904	27688	11243	BV	0.034	13.9197
2	2.051	171221	24220	VB	0.094	86.0803

Total area = 198908

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614405PA.D
Operator : DA
Instrument : GCL
Sample Name : T-105
Run Time Bar Code:
Acquired on : 01 Sep 26 02:04 PM
Report Created on: 03 Sep 26 01:10 PM

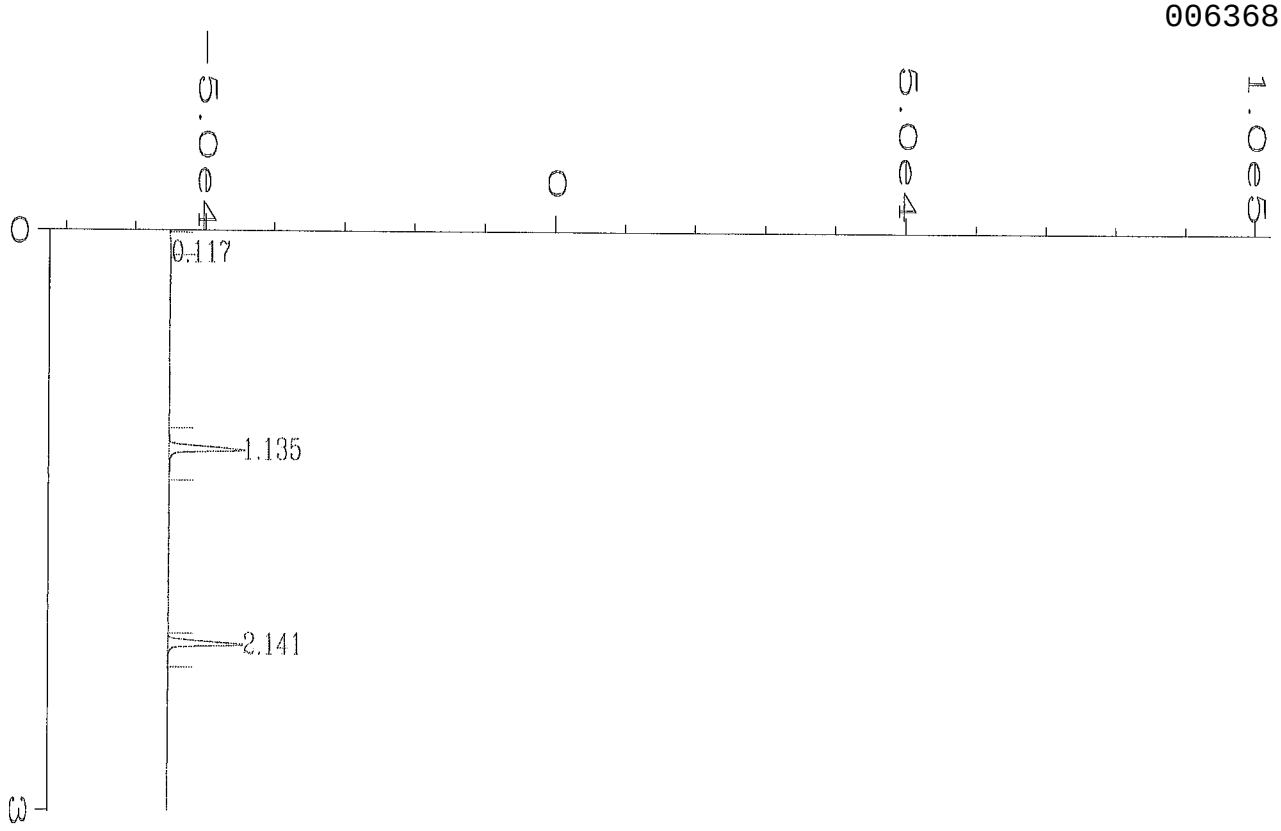
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614405PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.109	263229	246813	BB S	0.042	100.0000

Total area = 263229

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614405A.D
Operator : DA
Instrument : GCL
Sample Name : T-105
Run Time Bar Code:
Acquired on : 08 Sep 26 02:19 PM
Report Created on: 09 Aug 26 12:35 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614405A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.117	62	42	BV	0.025	0.1754
2	1.135	18281	11252	PV	0.036	51.3394
3	2.141	17265	10872	VV	0.025	48.4851

Total area = 35609

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 6

Client ID T-106

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 06

File Name: 2614406A
Description: T-106
Can/Tube#: 755
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:59
Date Analyzed: 09/01/26 **Time:** 14:11
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.568	0.608	ND	5,677	6,075	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.37	747	799	183,685	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	160	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	160	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614406A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	06		SF:	2	
Description:	T-106		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 10:59	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 14:11	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	755				
Can Factor	1.49				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	27689
7727-37-9	Nitrogen	03	2.05	2.02	169967
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

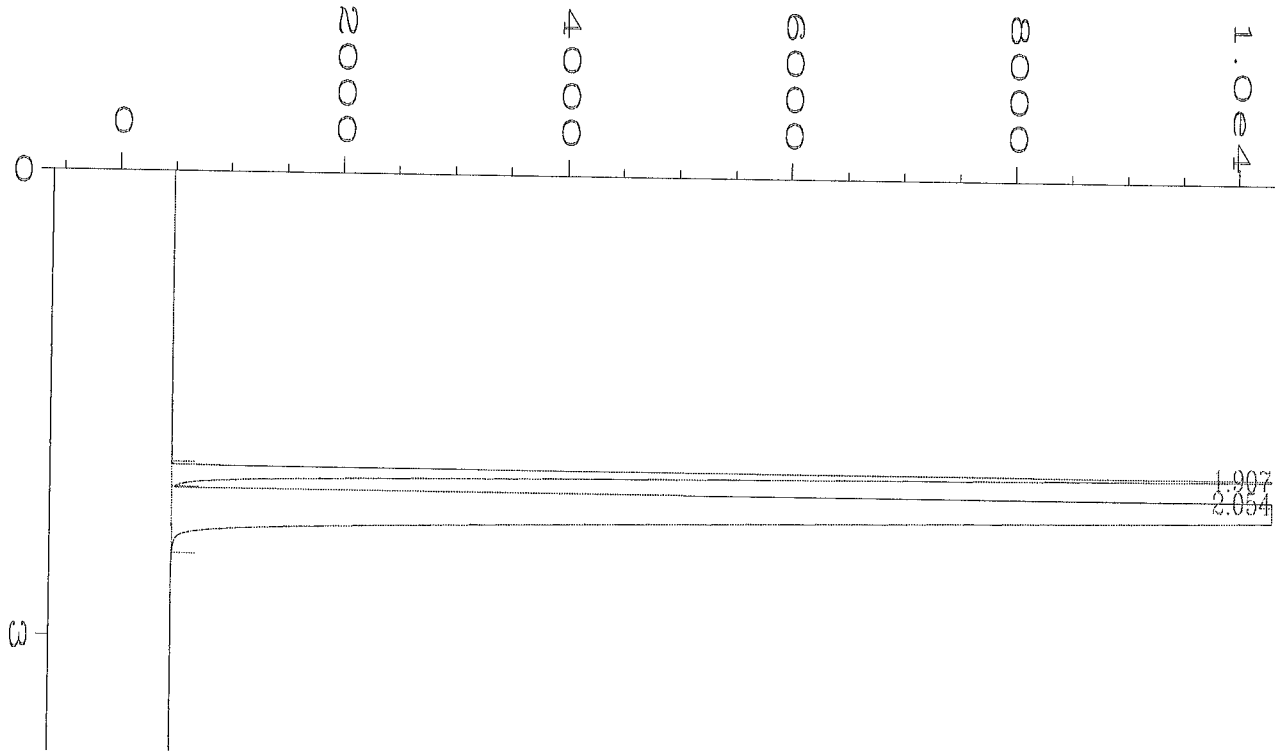
Laboratory Number: 06

File Name:	2614406A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.49				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.49		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.568	0.607	0.568	0.608	5,677	6,075	U
Oxygen	32.00	18.37	18.37	18.37	183,685	18.37	18.37	500	0.075	0.080	0.075	0.080	747	799	
Nitrogen	28.01	81.63	81.63	81.63	816,315	81.63	81.63	1000	0.149	0.160	0.149	0.159	1,494	1,599	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	149	160	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	149	160	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	149	160	U
Sum - N2		18.37	100.00												
Sum		100.0													
Total Nitrogen		104.04													

006372 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614406MA.D
Operator : DA
Instrument : GCL
Sample Name : T-106
Run Time Bar Code:
Acquired on : 01 Sep 26 02:11 PM
Report Created on: 03 Sep 26 01:11 PM

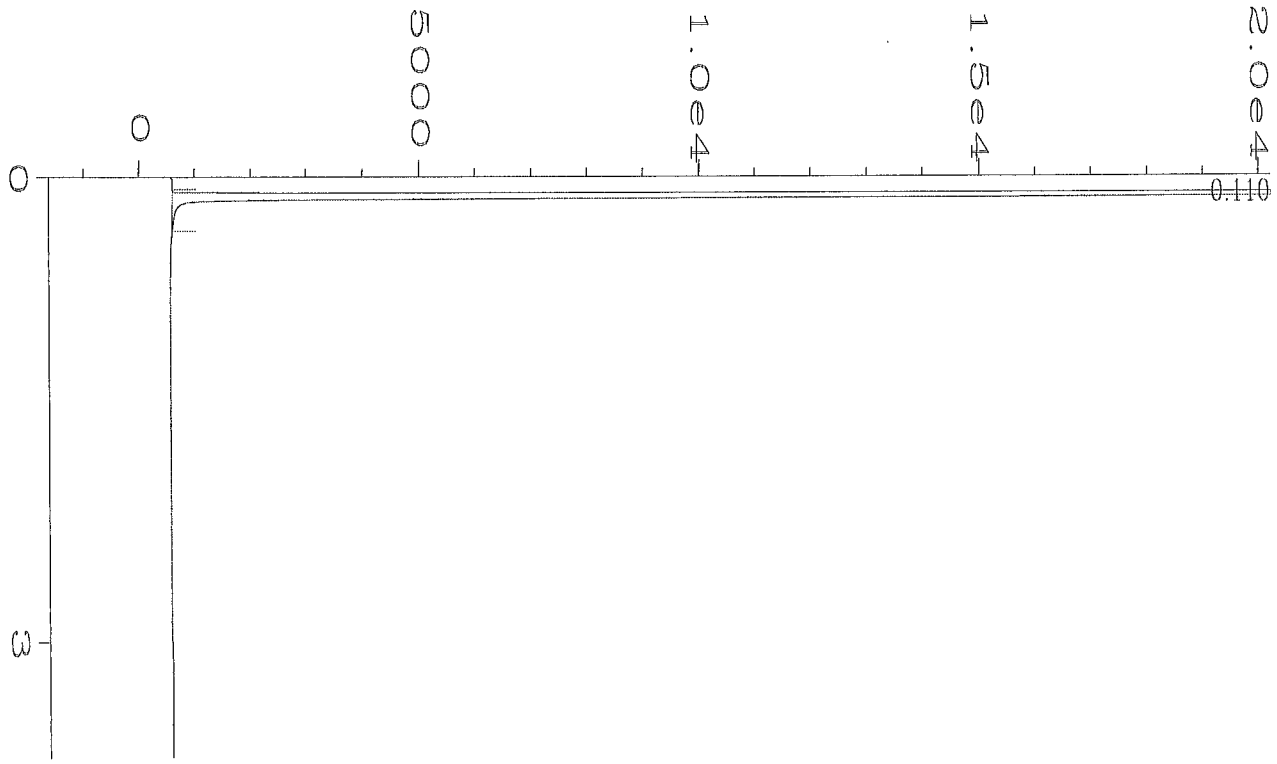
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614406MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.907	27689	11015	BV	0.034	14.0087
2	2.054	169967	24002	VB	0.094	85.9913

Total area = 197656

==========



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614406PA.D
Operator : DA
Instrument : GCL
Sample Name : T-106
Run Time Bar Code:
Acquired on : 01 Sep 26 02:11 PM
Report Created on: 03 Sep 26 01:11 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614406PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	264457	254305	BB S	0.016	100.0000

Total area = 264457

==========

Sample Data Packages

SDG Number 226144

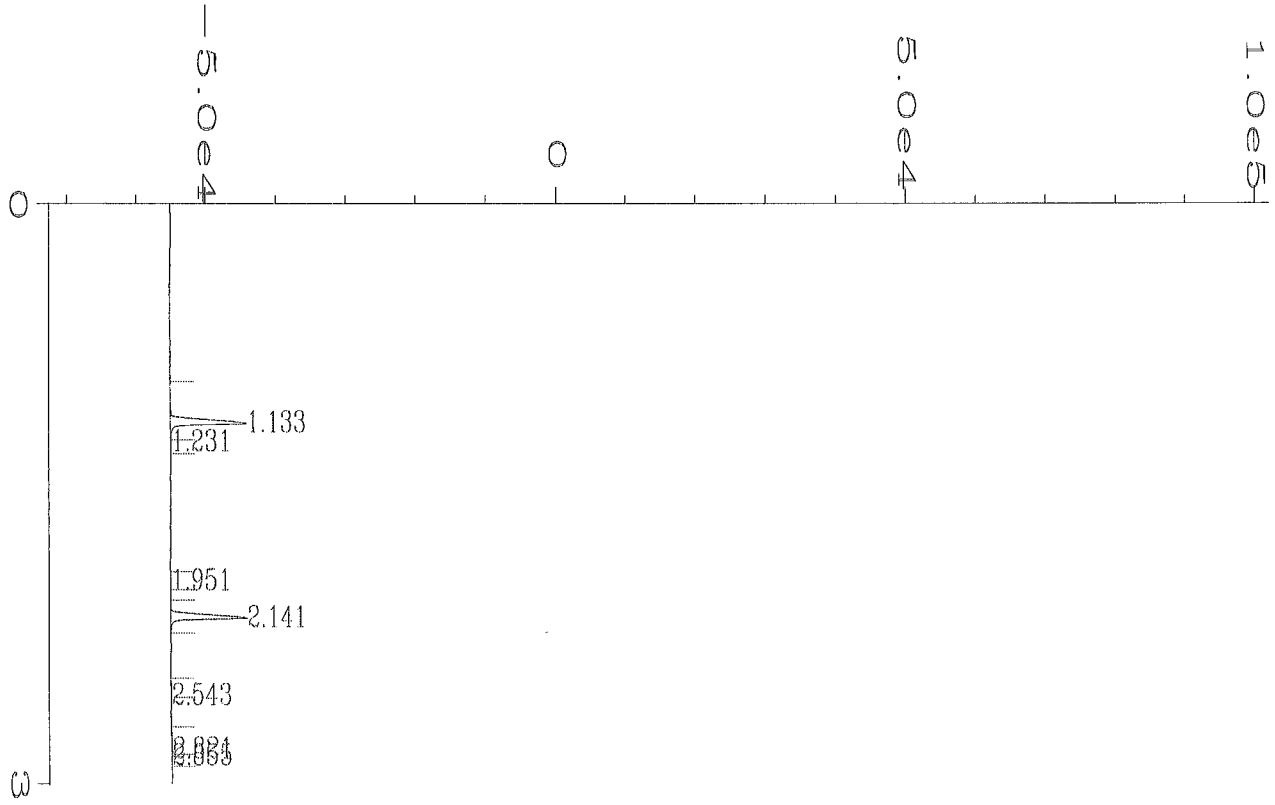
Lab Id Number 7

Client ID T-107

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614406A.D
Operator : DA
Instrument : GCL
Sample Name : T-106
Run Time Bar Code:
Acquired on : 08 Sep 26 02:22 PM
Report Created on: 09 Aug 26 12:35 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614406A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.133	17774	11032	BV	0.025	48.9224
2	1.231	255	97	VV	0.044	0.7015
3	1.951	259	111	PV	0.032	0.7133
4	2.141	17093	10829	BV	0.025	47.0477
5	2.543	363	112	BV	0.054	0.9998
6	2.821	457	97	PV	0.068	1.2586
7	2.855	130	65	VV	0.033	0.3567

Total area = 36332

==========

ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 07

File Name: 2614407A
Description: T-107
Can/Tube#: 182
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 11:03
Date Analyzed: 09/01/26 **Time:** 14:17
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.502	0.537	ND	5,016	5,368	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.12	660	706	181,237	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	132	141	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614407A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	07		SF:	2	
Description:	T-107		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 11:03	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 14:17	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	182				
Can Factor	1.32				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	30918
7727-37-9	Nitrogen	03	2.05	2.02	168302
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

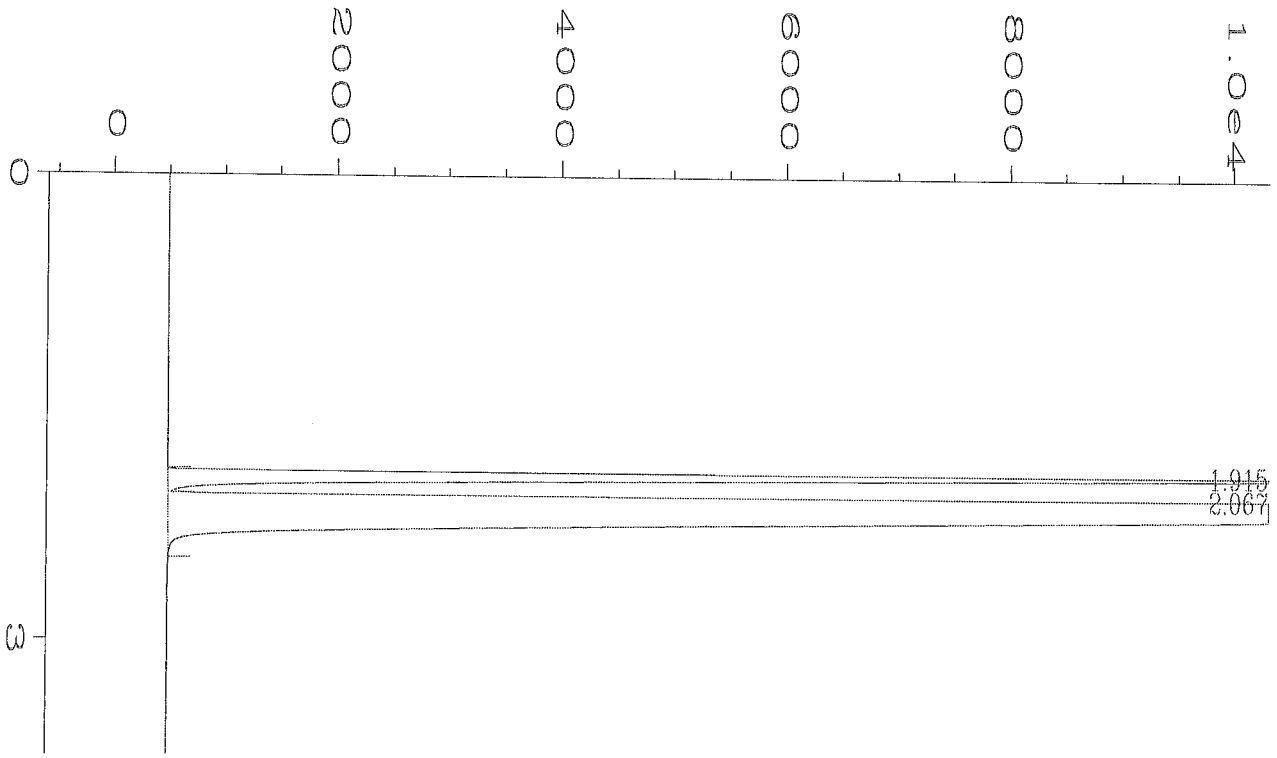
ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 07

File Name:	2614407A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.32				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.32		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.502	0.537	0.502	0.537	5,016	5,368	U
Oxygen	32.00	18.12	18.12	18.12	181,237	18.12	18.12	500	0.066	0.071	0.066	0.071	660	706	
Nitrogen	28.01	81.88	81.88	81.88	818,763	81.88	81.88	1000	0.132	0.141	0.132	0.141	1,320	1,413	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	141	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	141	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	141	U
Sum - N2		18.12	100.00												
Sum		100.0													
Total Nitrogen		91.03													

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614407MA.D
Operator : DA
Instrument : GCL
Sample Name : T-107
Run Time Bar Code:
Acquired on : 01 Sep 26 02:17 PM
Report Created on: 03 Sep 26 01:11 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614407MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.915	30918	12132	BV	0.034	15.5197
2	2.067	168302	23758	VB	0.091	84.4803

Total area = 199221

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Area Percent Report

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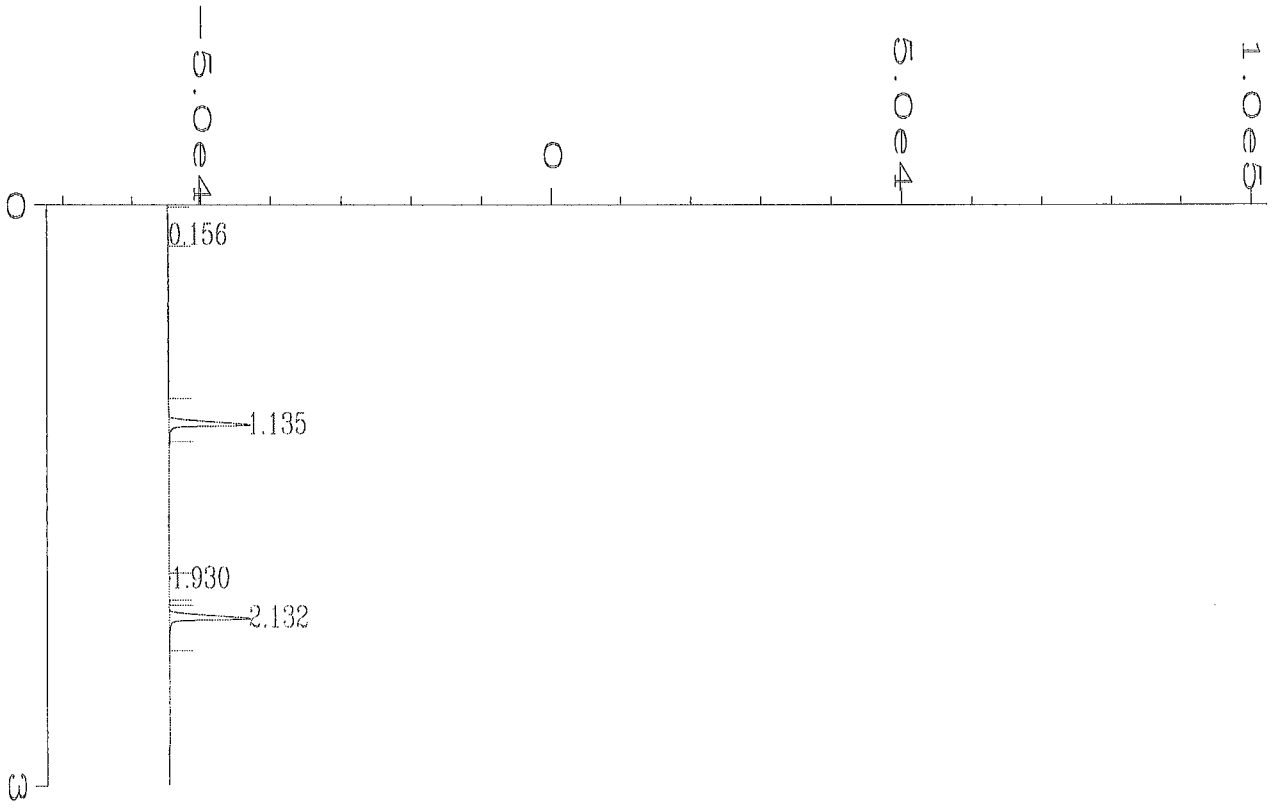
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614407PA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-107
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:17 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:11 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614407PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	257516	253128	BB S	0.042	100.0000

Total area = 257516

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614407A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-107
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 02:26 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:35 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614407A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.156	582	99.8	BV	0.092	1.5112
2	1.135	18837	11583	PV	0.025	48.9268
3	1.930	237	281	VV	0.037	0.6145
4	2.132	18845	11564	PV	0.039	48.9475

Total area = 38501

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Sample Data Packages

SDG Number 226144

Lab Id Number 8

Client ID T-108

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 08

File Name: 2614408A
Description: T-108
Can/Tube#: 551
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 10:57
Date Analyzed: 09/01/26 **Time:** 14:22
Can Dilution Factor: 1.18

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.449	0.480	ND	4,494	4,808	ND	ND
7782-44-7	Oxygen	0.059	0.063	17.94	591	633	179,411	
630-08-0	Carbon Monoxide	0.012	0.013	ND	118	127	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	ND	118	127	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614408A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	08			SF:	2
Description:	T-108			Not Detected Flag:	ND
Date Sampled:	07/20/26	Time:	10:57	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	14:22	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	551				
Can Factor	1.18				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	34167
7727-37-9	Nitrogen	03	2.05	2.02	163480
74[illegible]82-8	Methane	04	2.86		0
63[illegible]-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 08

File Name:	2614408A
QCBatch	090126-GCO
Can Factor	1.18
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.18
Gas Constant:	24.4
Decimal Places:	2

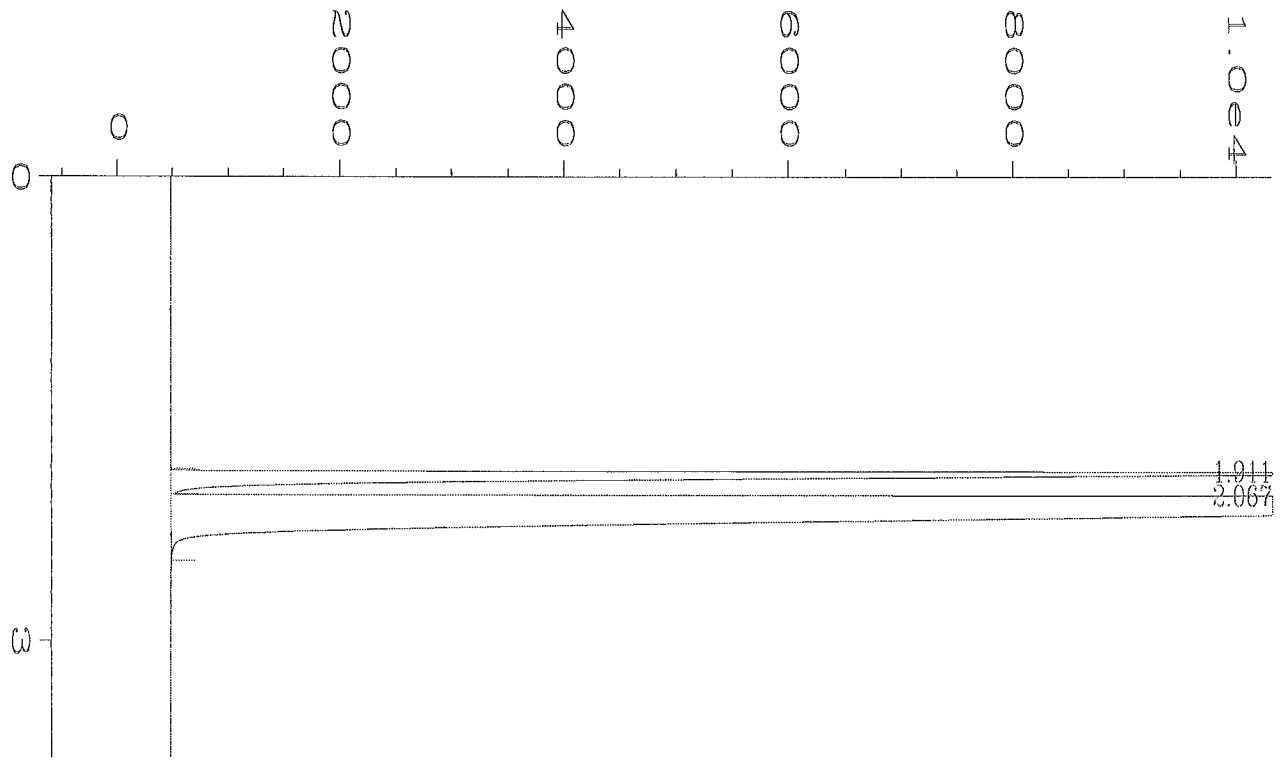
Detect Flag: ND
Report Normalized: No

Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.449	0.481	0.449	0.480	4,494	4,808	U
Oxygen	32.00	17.94	17.94	17.94	179,411	17.94	17.94	500	0.059	0.063	0.059	0.063	591	633	
Nitrogen	28.01	82.06	82.06	82.06	820,589	82.06	82.06	1000	0.118	0.127	0.118	0.126	1,183	1,265	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.012	0.013	0.012	0.013	118	127	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.012	0.013	0.012	0.013	118	127	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.012	0.013	0.012	0.013	118	127	U
Sum - N2		17.94	100.00												
Sum		100.0													
Total Nitrogen		79.21													

1/29/2026

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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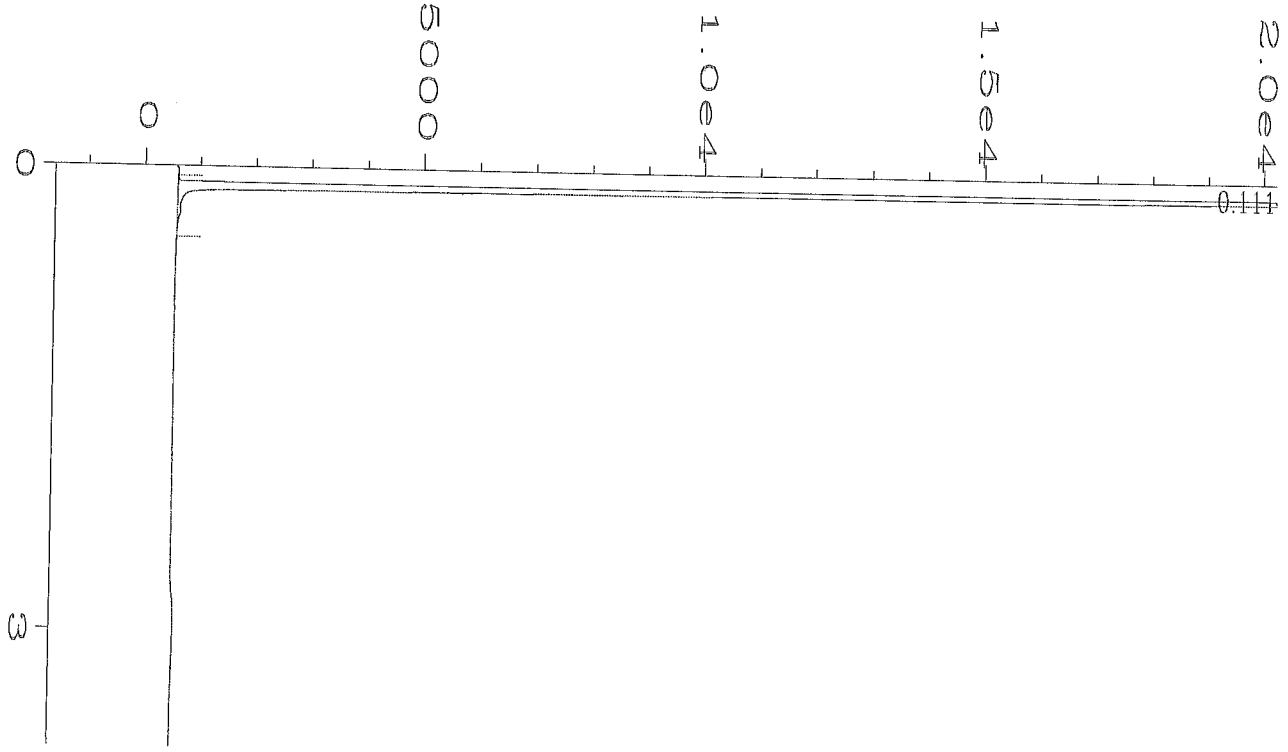
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614408MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-108
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:22 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:11 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614408MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.911	34167	12538	BV	0.037	17.2868
2	2.067	163480	23304	VB	0.093	82.7132

Total area = 197646

==========



Area Percent Report

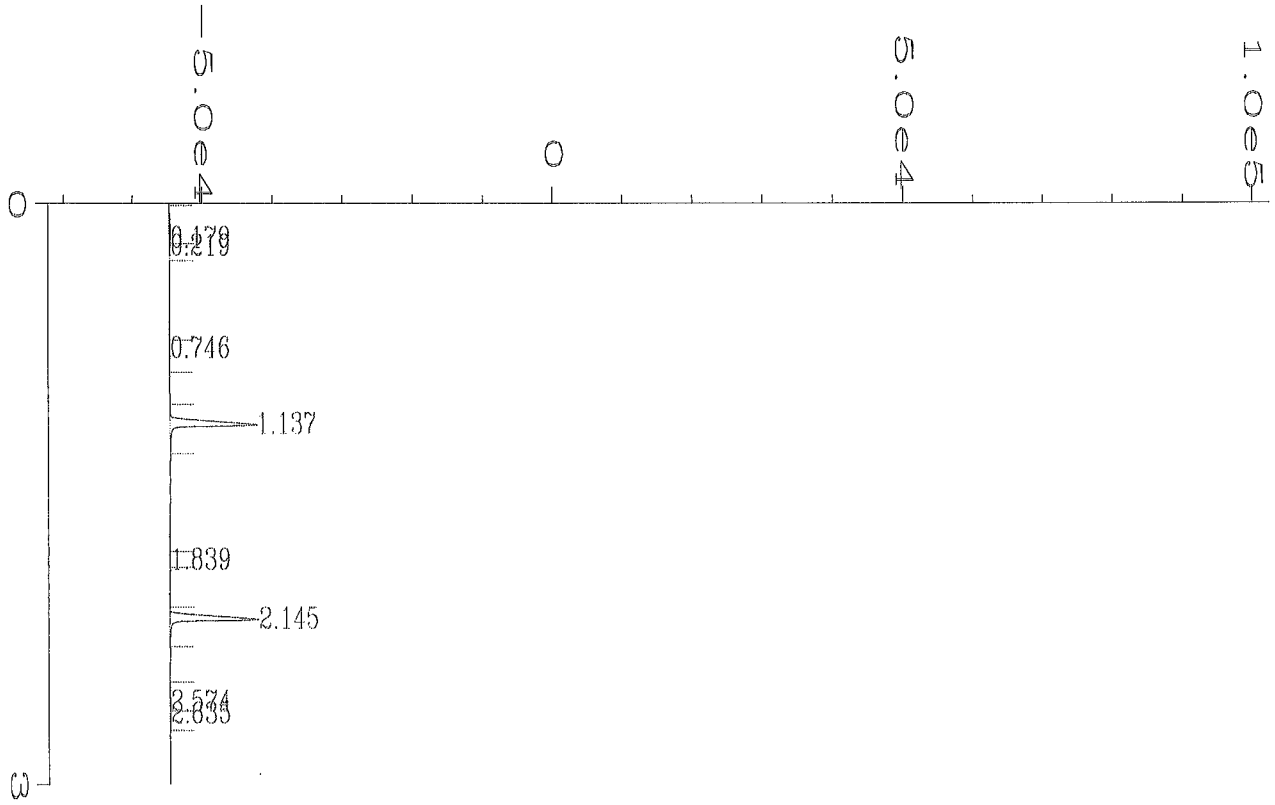
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614408PA.D
Operator : DA
Instrument : GCL
Sample Name : T-108
Run Time Bar Code:
Acquired on : 01 Sep 26 02:22 PM
Report Created on: 03 Sep 26 01:11 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614408PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	263160	258879	BB S	0.016	100.0000

Total area = 263160



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614408A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-108
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 02:30 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:36 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614408A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.179	1466	186	BV	0.107	3.1897
2	0.219	373	130	VB	0.048	0.8107
3	0.746	650	152	BV	0.070	1.4139
4	1.137	20975	12497	PV	0.026	45.6412
5	1.839	363	99.9	PV	0.047	0.7908
6	2.145	20895	12553	PV	0.026	45.4655
7	2.574	785	137	PV	0.075	1.7087
8	2.635	450	139	VV	0.043	0.9794

Total area = 45957

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **9**

Client ID T-109

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 09

File Name: 2614409A
Description: T-109
Can/Tube#: 638
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 14:28
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.572	0.612	ND	5,723	6,124	ND	ND
7782-44-7	Oxygen	0.075	0.080	18.36	753	806	183,605	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	151	161	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614409A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	09		SF:	2	
Description:	T-109		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 12:14	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 14:28	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	638				
Can Factor	1.51				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	27454
7727-37-9	Nitrogen	03	2.05	2.02	169946
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

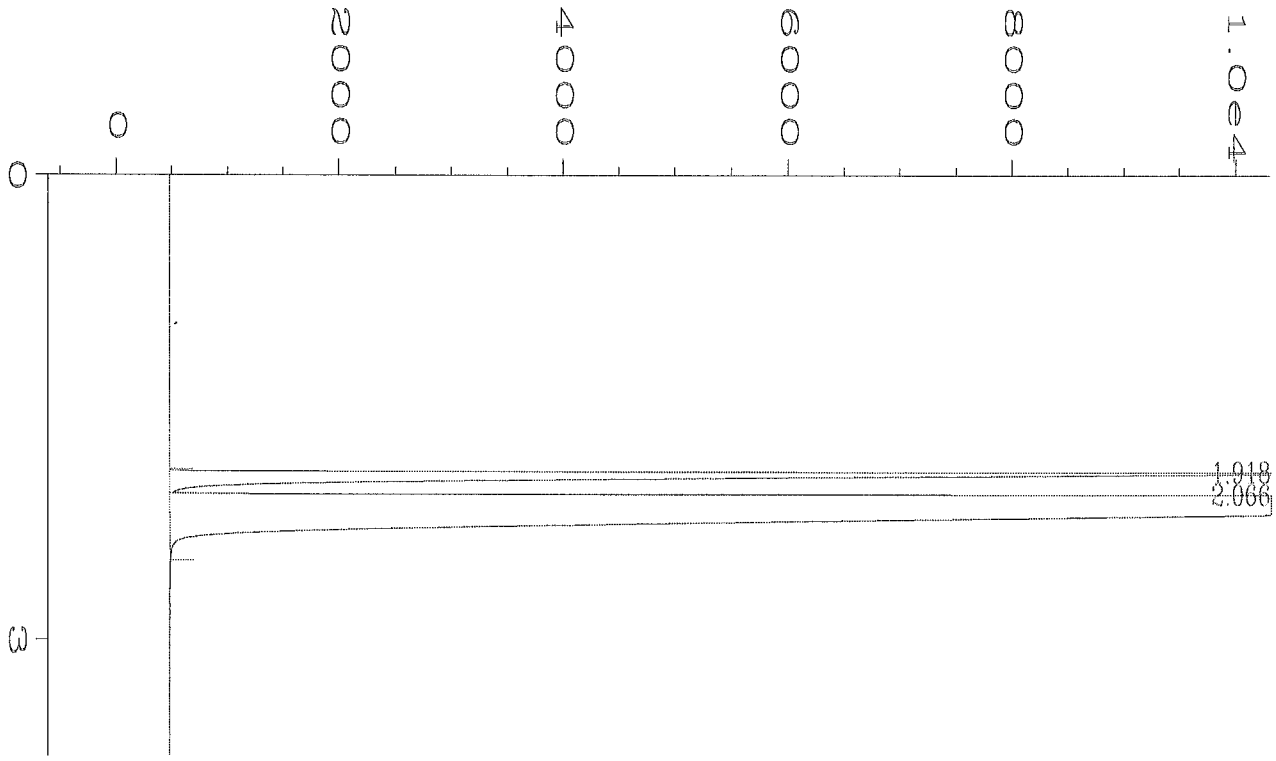
SDG: 226144
Laboratory Number: 09

File Name:	2614409A	Detect Flag:	ND
QCBatch	090126-GCO	Report Normalized:	No
Can Factor	1.51		
Air Volume:	0.50 ml	Temp	25 C
Base Volume	0.50 ml	Atm P	760.0 torr
Dilution Factor	1.51	Gas Constant	24.4
Gas Constant:	24.4	RL Factor	1.07
Decimal Places:	2		

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.572	0.612	0.572	0.612	5,723	6,124	U
Oxygen	32.00	18.36	18.36	18.36	183,605	18.36	18.36	500	0.075	0.081	0.075	0.080	753	806	
Nitrogen	28.01	81.64	81.64	81.64	816,395	81.64	81.64	1000	0.151	0.161	0.151	0.162	1,506	1,612	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	151	161	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	151	161	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	151	161	U
Sum - N2		18.36	100.00												
Sum		100.0													
Total Nitrogen		104.87													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

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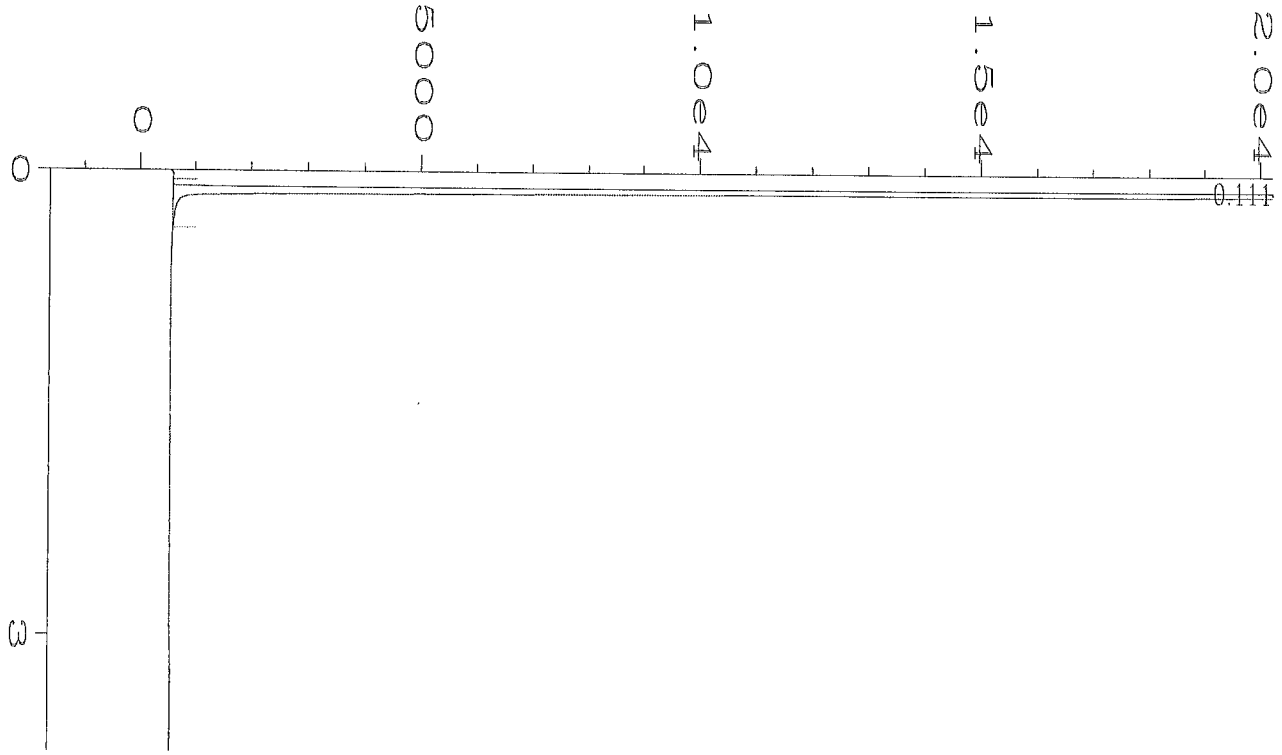
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614409MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-109
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:28 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:11 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614409MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.918	27454	11059	BV	0.034	13.9080
2	2.066	169946	23868	VB	0.097	86.0920

Total area = 197400

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614409PA.D
Operator : DA
Instrument : GCL
Sample Name : T-109
Run Time Bar Code:
Acquired on : 01 Sep 26 02:28 PM
Report Created on: 03 Sep 26 01:11 PM

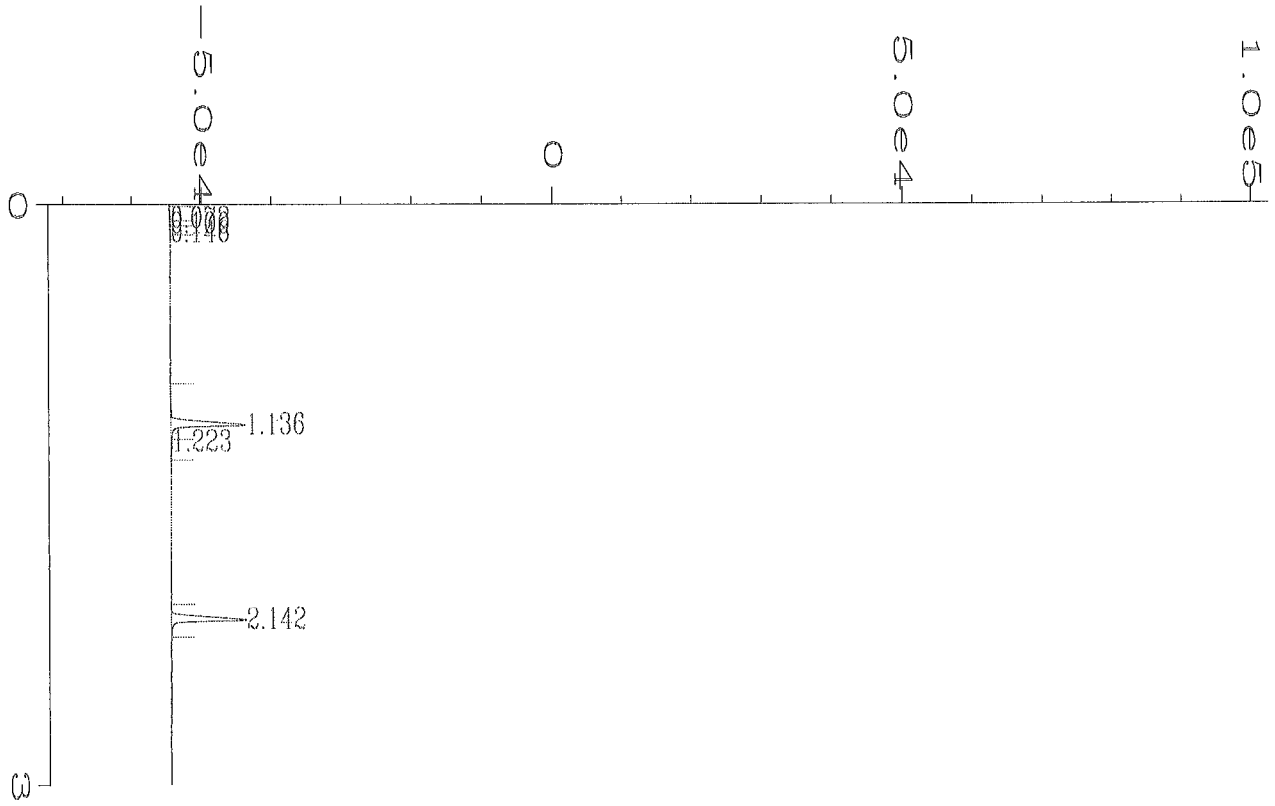
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614409PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	263964	258867	BB S	0.016	100.0000

Total area = 263964

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614409A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-109
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 02:33 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:36 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614409A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.072	288	129	BV	0.031	0.7969
2	0.100	168	121	VV	0.023	0.4661
3	0.146	237	99.8	VV	0.040	0.6572
4	1.136	17975	10954	BV	0.037	49.8196
5	1.223	579	149	VV	0.050	1.6054
6	2.142	16833	11010	BV	0.032	46.6547

Total area = 36080

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 10

Client ID T-110

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 10

File Name: 2614410A
Description: T-110
Can/Tube#: 800
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 14:34
Can Dilution Factor: 1.16

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.441	0.472	ND	4,406	4,715	ND	ND
7782-44-7	Oxygen	0.058	0.062	18.04	580	620	180,360	
630-08-0	Carbon Monoxide	0.012	0.013	ND	116	124	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	0.06	116	124	613	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614410A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	10			SF:	2
Description:	T-110			Not Detected Flag:	ND
Date Sampled:	07/20/26	Time:	12:05	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	14:34	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	800				
Can Factor	1.16				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	35030
7727-37-9	Nitrogen	03	2.05	2.02	163542
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		257

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

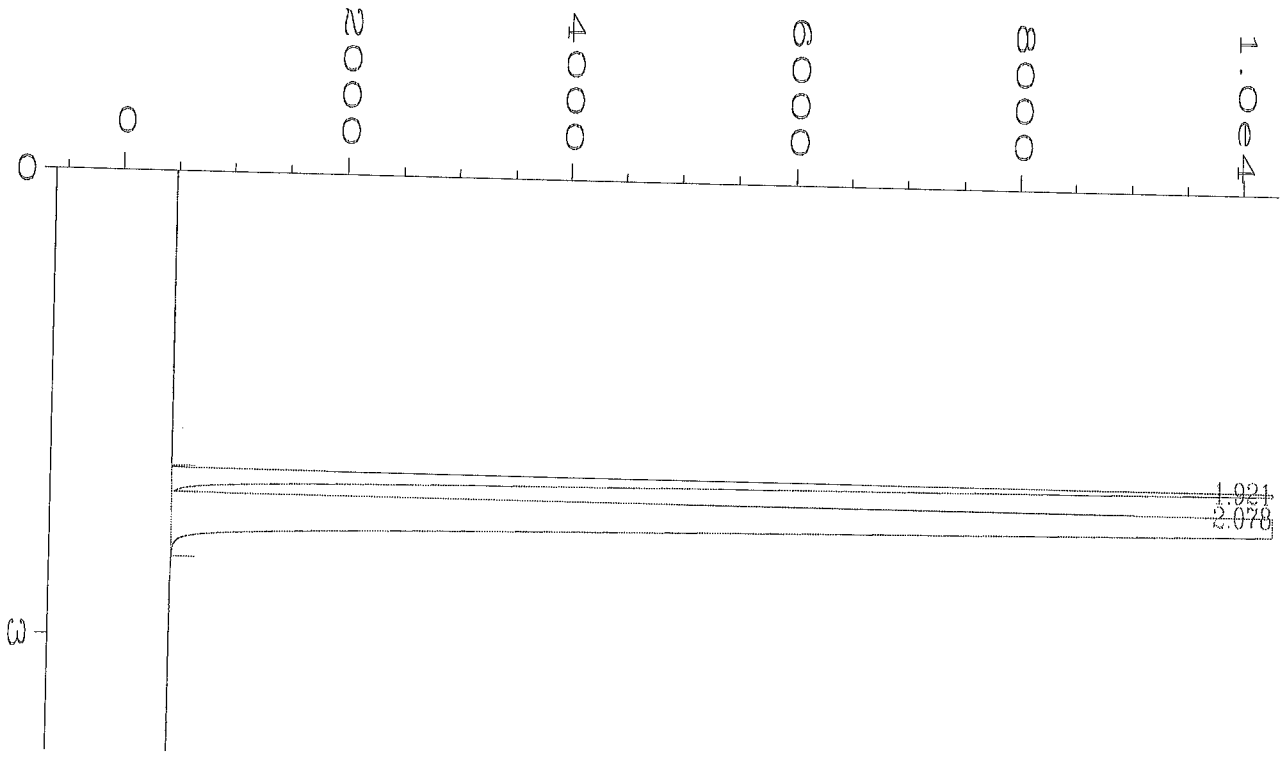
SDG: 226144
Laboratory Number: 10

File Name:	2614410A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.16				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.16		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.441	0.471	0.441	0.472	4,406	4,715	U
Oxygen	32.00	18.04	18.04	18.04	180,360	18.04	18.04	500	0.058	0.062	0.058	0.062	580	620	
Nitrogen	28.01	81.90	81.90	81.90	819,027	81.90	81.90	1000	0.116	0.124	0.116	0.124	1,160	1,241	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.012	0.012	0.012	0.013	116	124	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.012	0.012	0.012	0.013	116	124	U
Carbon Dioxide	44.01	0.06	0.06	0.06	613	0.06	0.06	100	0.012	0.012	0.012	0.013	116	124	
Sum - N2		18.10	100.00												
Sum		100.0													
Total Nitrogen		77.69													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

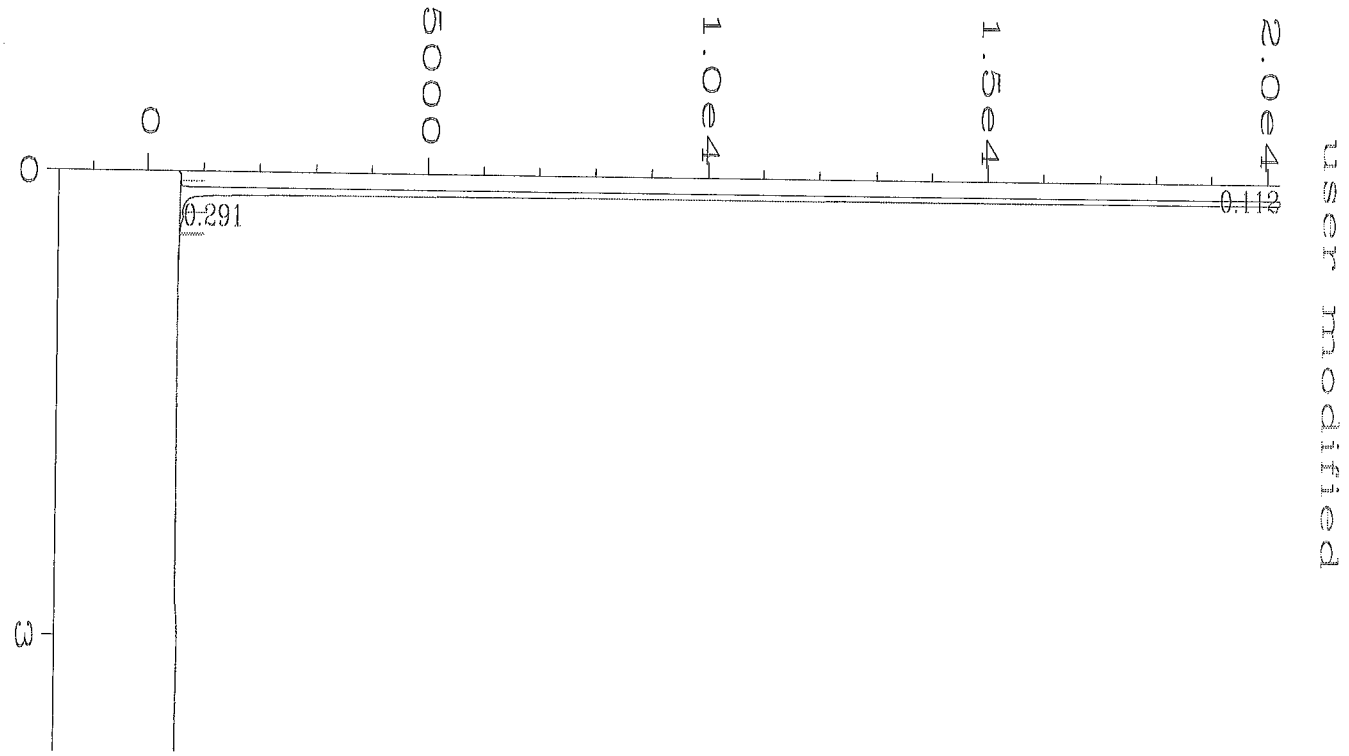
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614410MA.D
Operator : DA
Instrument : GCL
Sample Name : T-110
Run Time Bar Code:
Acquired on : 01 Sep 26 02:34 PM
Report Created on: 03 Sep 26 01:12 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614410MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.921	35030	12886	BV	0.037	17.6411
2	2.078	163542	23431	VB	0.094	82.3589

Total area = 198573



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614410PA.D
Operator : DA
Instrument : GCL
Sample Name : T-110
Run Time Bar Code:
Acquired on : 01 Sep 26 02:34 PM
Report Created on: 03 Sep 26 01:13 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

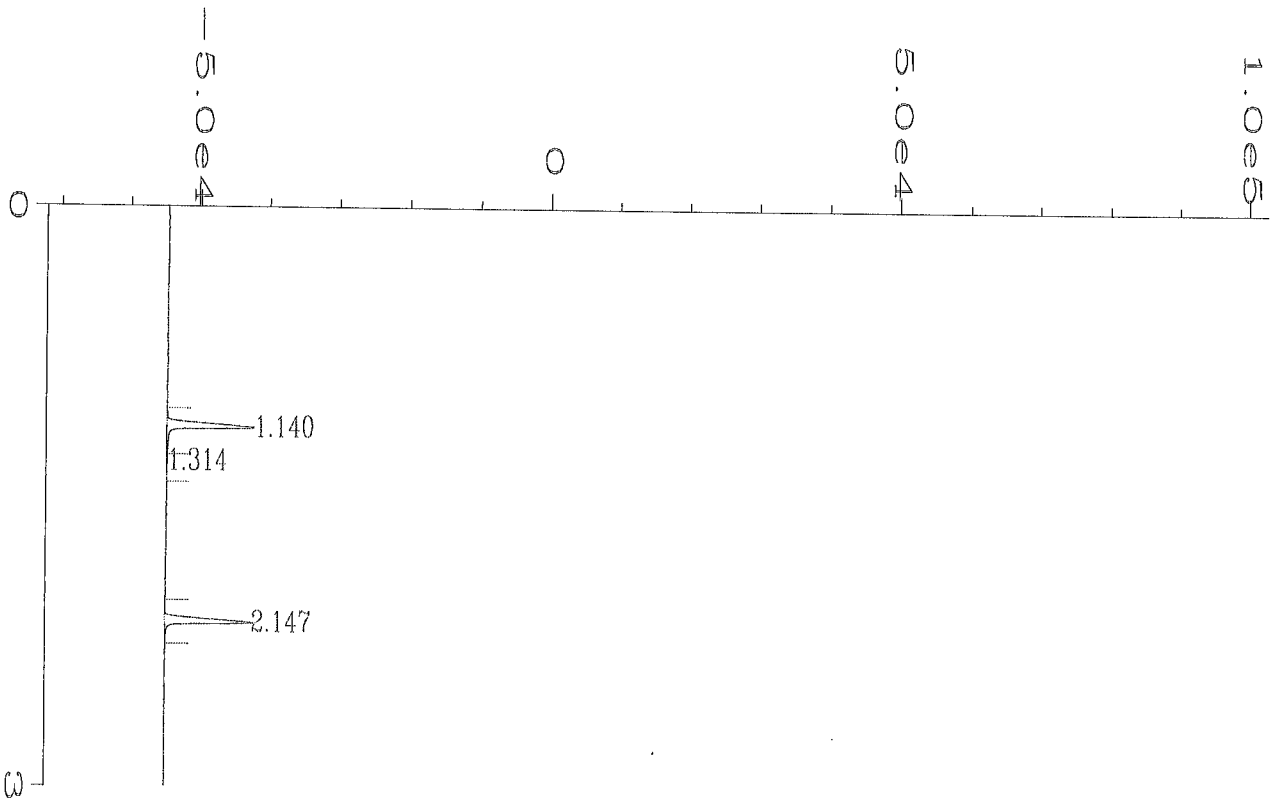
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614410PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.112	256444	234635	BB S	0.037	99.8999
2	0.291	257	61	MM	0.070	0.1001

Total area = 256701

User Modified

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614410A.D
Operator : DA
Instrument : GCL
Sample Name : T-110
Run Time Bar Code:
Acquired on : 08 Sep 26 02:37 PM
Report Created on: 09 Aug 26 12:36 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614410A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.140	22459	12751	PV	0.027	51.0215
2	1.314	711	151	PV	0.061	1.6160
3	2.147	20848	12622	PV	0.026	47.3625

Total area = 44018

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Sample Data Packages

SDG Number **226144**

Lab Id Number **11**

Client ID T-111

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 11

File Name: 2614411A
Description: T-111
Can/Tube#: 645
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 14:41
Can Dilution Factor: 1.58

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.599	0.641	ND	5,987	6,406	ND	ND
7782-44-7	Oxygen	0.079	0.085	18.22	788	843	182,211	
630-08-0	Carbon Monoxide	0.016	0.017	ND	158	169	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	ND	158	169	ND	ND

QUANTITATION REPORT
ASTM D1945 GC/TCD

File Name:	2614411A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	11		SF:	2	
Description:	T-111		Not Detected Flag:	ND	
Date Sampled:	07/20/26	Time: 12:02	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 14:41	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	645				
Can Factor	1.58				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	26045
7727-37-9	Nitrogen	03	2.05	2.02	172214
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

2614411A 2614411B2

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name:	2614411A
QCBatch	090126-GCO
Can Factor	1.58
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.58
Gas Constant:	24.4
Decimal Places:	2

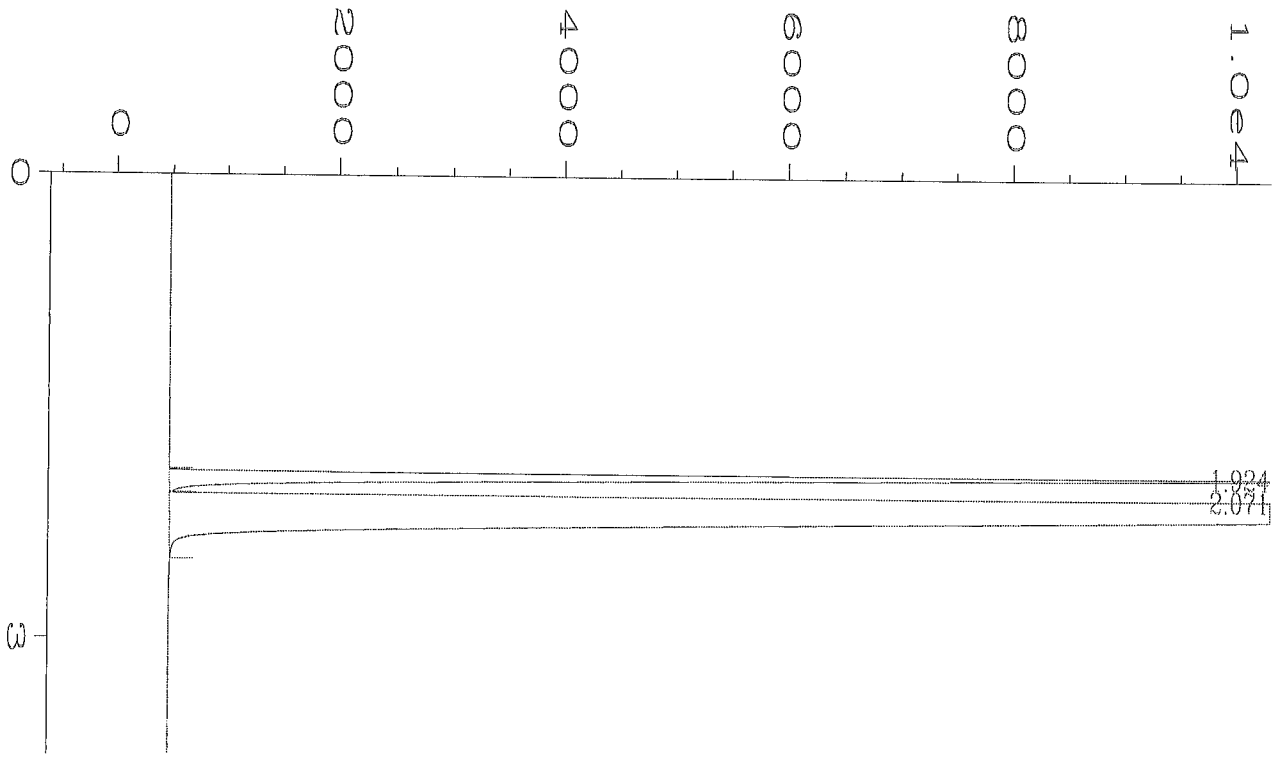
Detect Flag: ND
Report Normalized: No

Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

SDG: 226144
Laboratory Number: 11

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.599	0.641	0.599	0.641	5,987	6,406	U
Oxygen	32.00	18.22	18.22	18.22	182,211	18.22	18.22	500	0.079	0.084	0.079	0.085	788	843	
Nitrogen	28.01	81.78	81.78	81.78	817,789	81.78	81.78	1000	0.158	0.169	0.158	0.169	1,576	1,686	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.016	0.017	0.016	0.017	158	169	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.016	0.017	0.016	0.017	158	169	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.016	0.017	0.016	0.017	158	169	U
Sum - N2		18.22	100.00												
Sum		100.0													
Total Nitrogen		111.17													

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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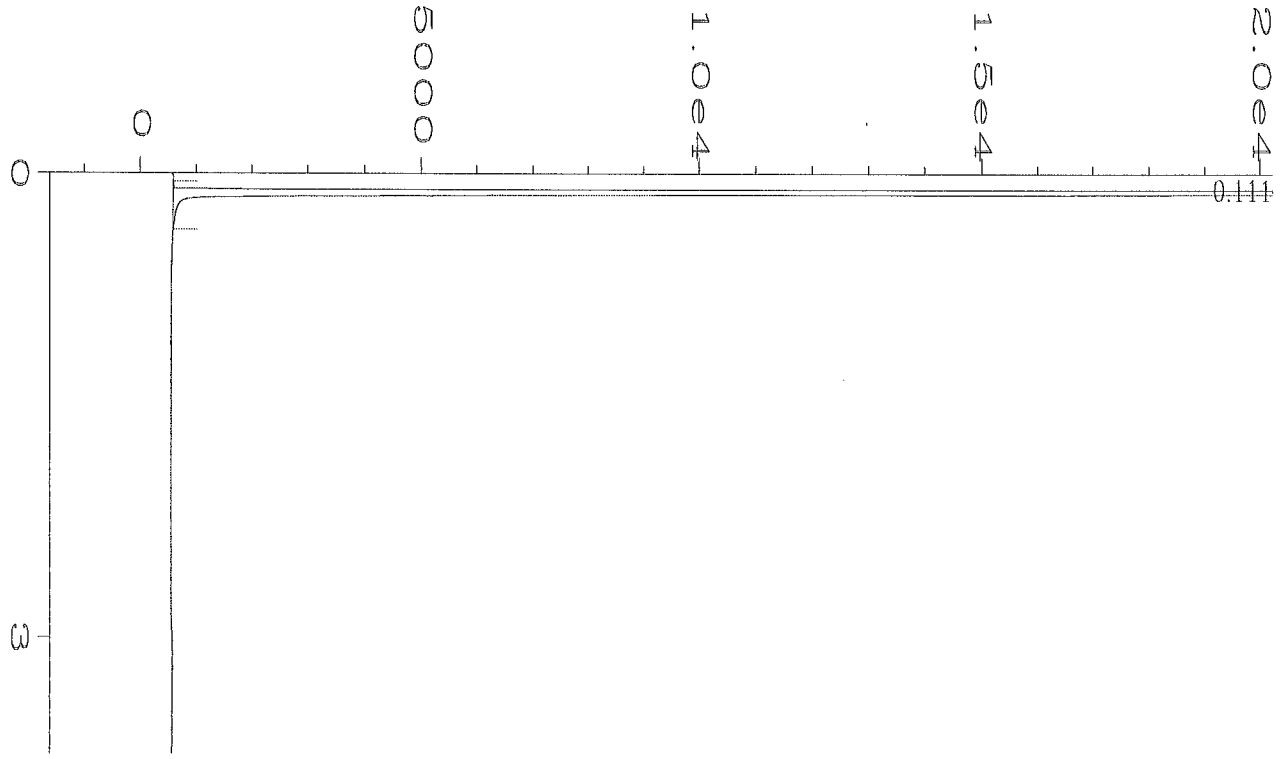
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614411MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-111
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:41 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:16 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614411MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.924	26045	10696	BV	0.033	13.1368
2	2.071	172214	24037	VB	0.097	86.8632

Total area = 198258

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Area Percent Report

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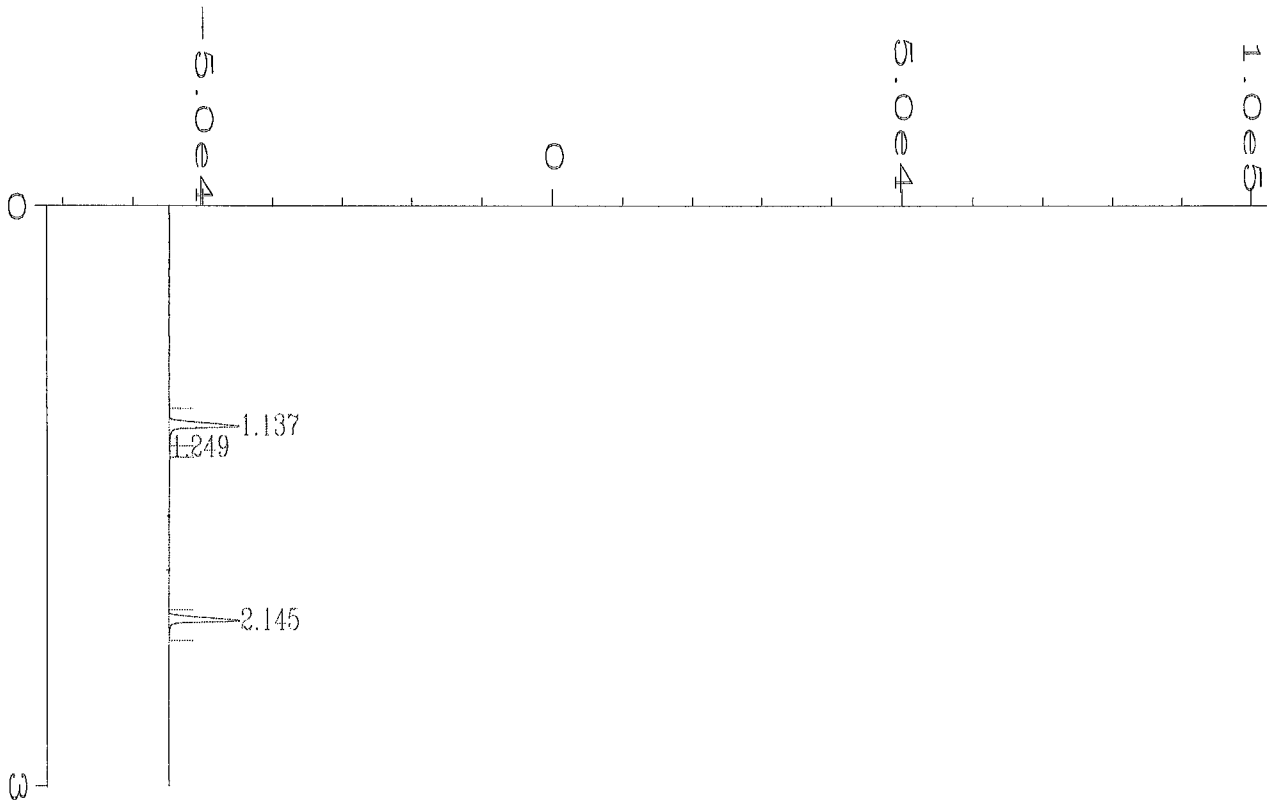
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614411PA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-111
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:41 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:16 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614411PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	262292	254899	BB S	0.016	100.0000

Total area = 262292

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614411A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-111
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 02:41 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:36 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614411A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.137	16813	10263	VV	0.025	50.7220
2	1.249	162	88	VV	0.031	0.4901
3	2.145	16172	10224	PV	0.025	48.7878

Total area = 33147

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **12**

Client ID T-112

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 12

File Name: 2614412A
Description: T-112
Can/Tube#: 663
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:17
Date Analyzed: 09/01/26 **Time:** 14:45
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.499	0.534	ND	4,988	5,337	ND	ND
7782-44-7	Oxygen	0.066	0.071	19.95	656	702	199,510	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	131	140	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614412A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	12			SF:	2
Description:	T-112			Not Detected Flag:	ND
Date Sampled:	07/20/26	Time:	12:17	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	14:45	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	663				
Can Factor	1.31				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**34228**
7727-37-9	Nitrogen	03	2.05	2.02	**162335**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95		**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name:	2614412A
QCBatch	090126-GCO
Can Factor	1.31
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.31
Gas Constant:	24.4
Decimal Places:	2

Detect Flag: ND
Report Normalized: No

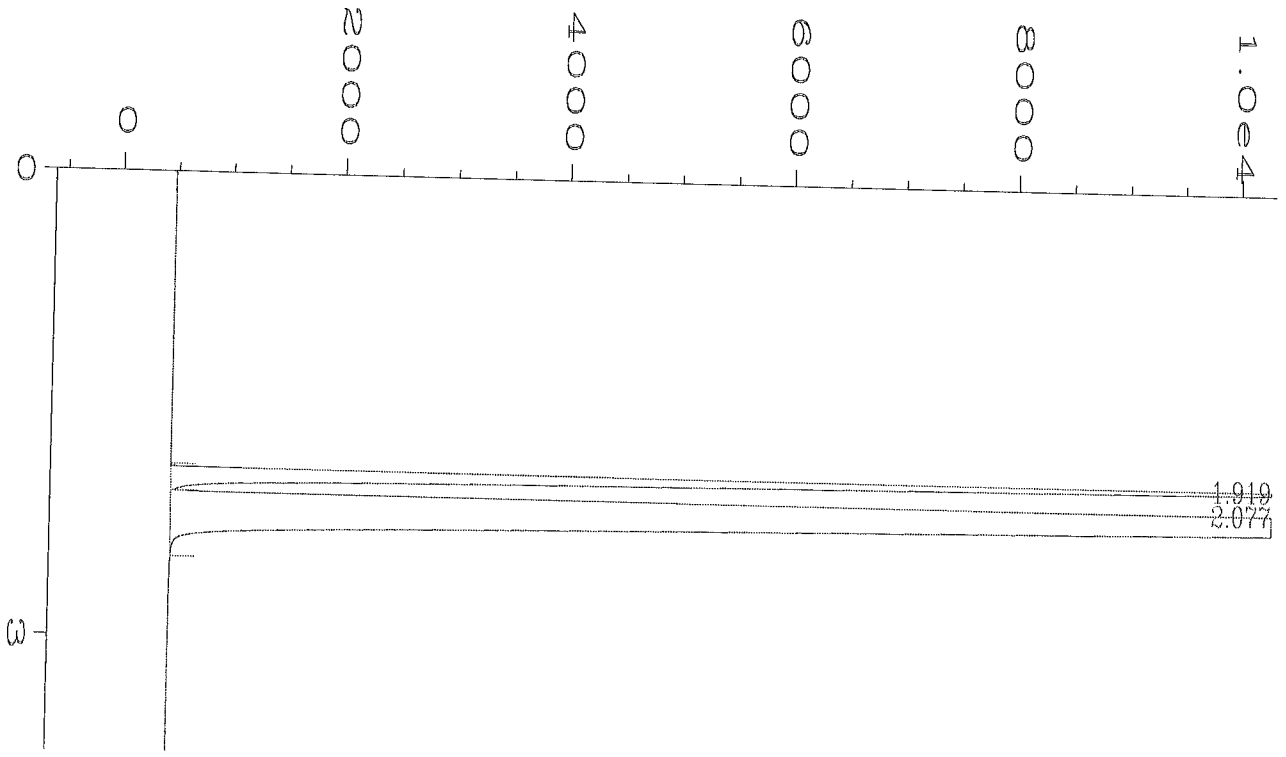
Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

SDG: 226144
Laboratory Number: 12

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.499	0.534	0.499	0.534	4,988	5,337	U
Oxygen	32.00	19.95	19.95	19.95	199,510	19.95	19.95	500	0.066	0.070	0.066	0.071	656	702	
Nitrogen	28.01	80.05	80.05	80.05	800,490	80.05	80.05	1000	0.131	0.140	0.131	0.140	1,313	1,405	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	140	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	140	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	140	U
Sum - N2		19.95	100.00												
Sum		100.0													
Total Nitrogen		87.31													

006420 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

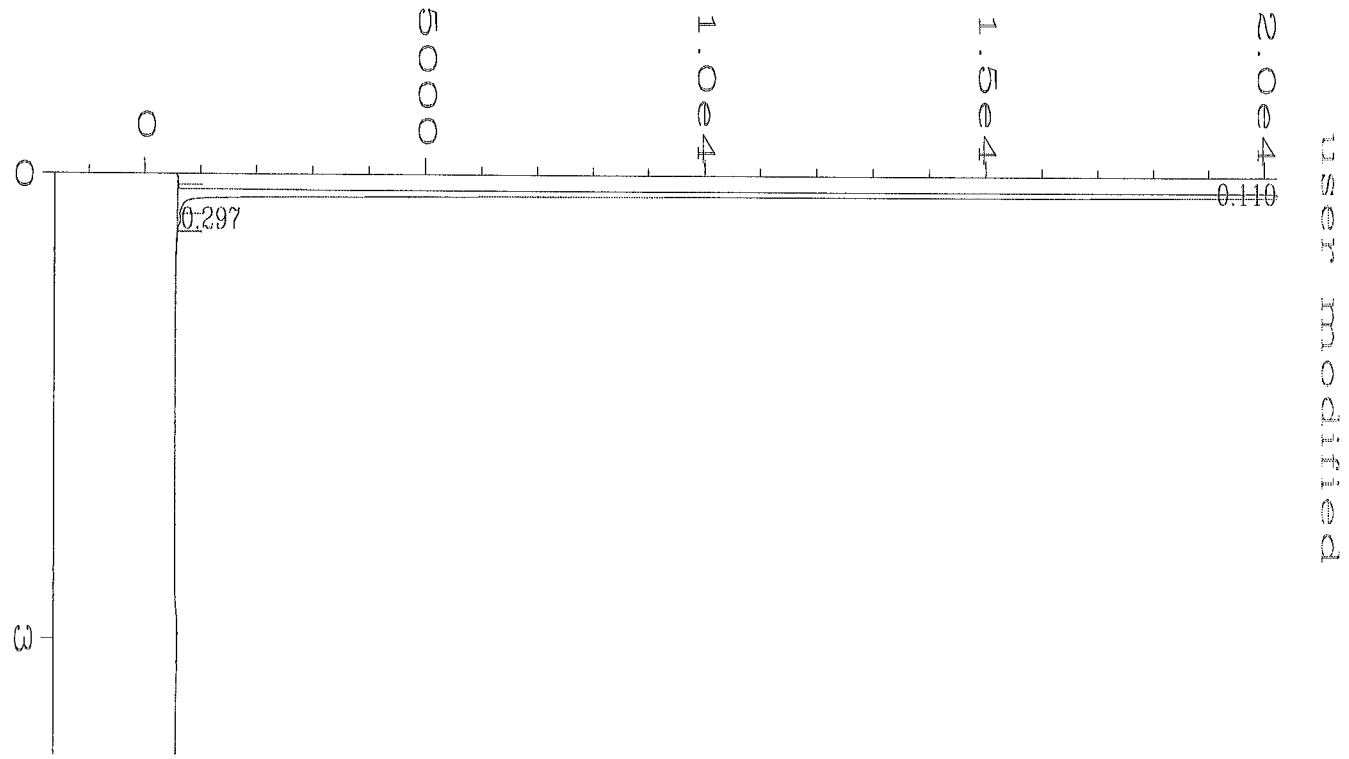
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614412MA.D
Operator : DA
Instrument : GCL
Sample Name : T-112
Run Time Bar Code:
Acquired on : 01 Sep 26 02:45 PM
Report Created on: 03 Sep 26 01:17 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614412MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.919	34228	12331	BV	0.038	17.4134
2	2.077	162335	23191	VB	0.092	82.5866

Total area = 196564



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614412PA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-112
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 02:45 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:18 PM
Analysis Method : DEFAULT.MTH

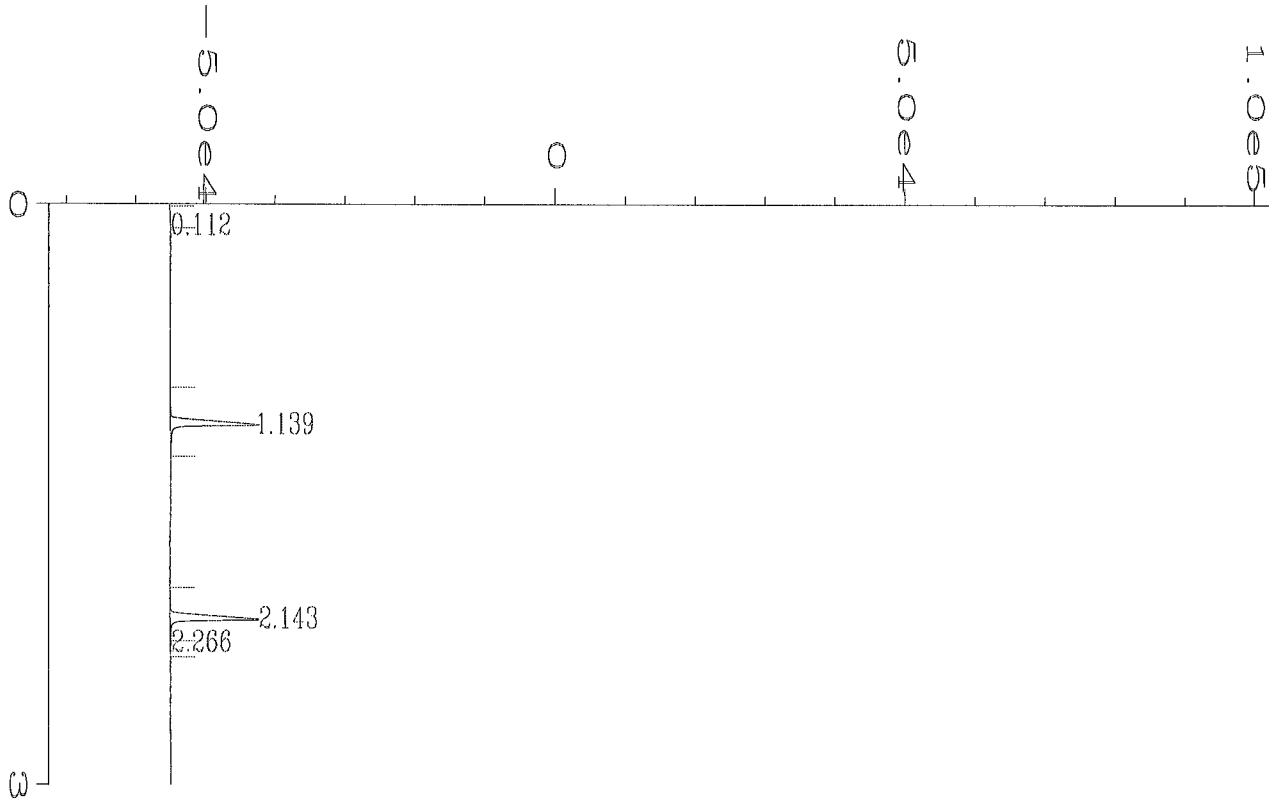
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614412PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	259977	249504	BB S	0.016	99.9059
2	0.297	245	60	MM	0.068	0.0941

Total area = 260221

User Modified

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614412A.D
Operator : DA
Instrument : GCL
Sample Name : T-112
Run Time Bar Code:
Acquired on : 08 Sep 26 02:44 PM
Report Created on: 09 Aug 26 12:36 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614412A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.112	85	37	BV	0.038	0.1959
2	1.139	21786	13020	BV	0.035	50.4760
3	2.143	21076	12799	PV	0.026	48.8305
4	2.266	215	139	VB	0.026	0.4976

Total area = 43161

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **13**

Client ID T-113

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 13

File Name: 2614413A
Description: T-113
Can/Tube#: 859
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:11
Date Analyzed: 09/01/26 **Time:** 14:51
Can Dilution Factor: 1.54

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.584	0.625	ND	5,837	6,246	ND	ND
7782-44-7	Oxygen	0.077	0.082	18.56	768	822	185,610	
630-08-0	Carbon Monoxide	0.015	0.016	ND	154	164	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	154	164	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614413A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	13			SF:	2
Description:	T-113			Not Detected Flag:	ND
Date Sampled:	07/20/26	Time:	12:11	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	14:51	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	859				
Can Factor	1.54				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	27211
7727-37-9	Nitrogen	03	2.05	2.02	172361
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name:	2614413A
QCBatch	090126-GCO
Can Factor	1.54
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.54
Gas Constant:	24.4
Decimal Places:	2

Detect Flag: ND
Report Normalized: **No**

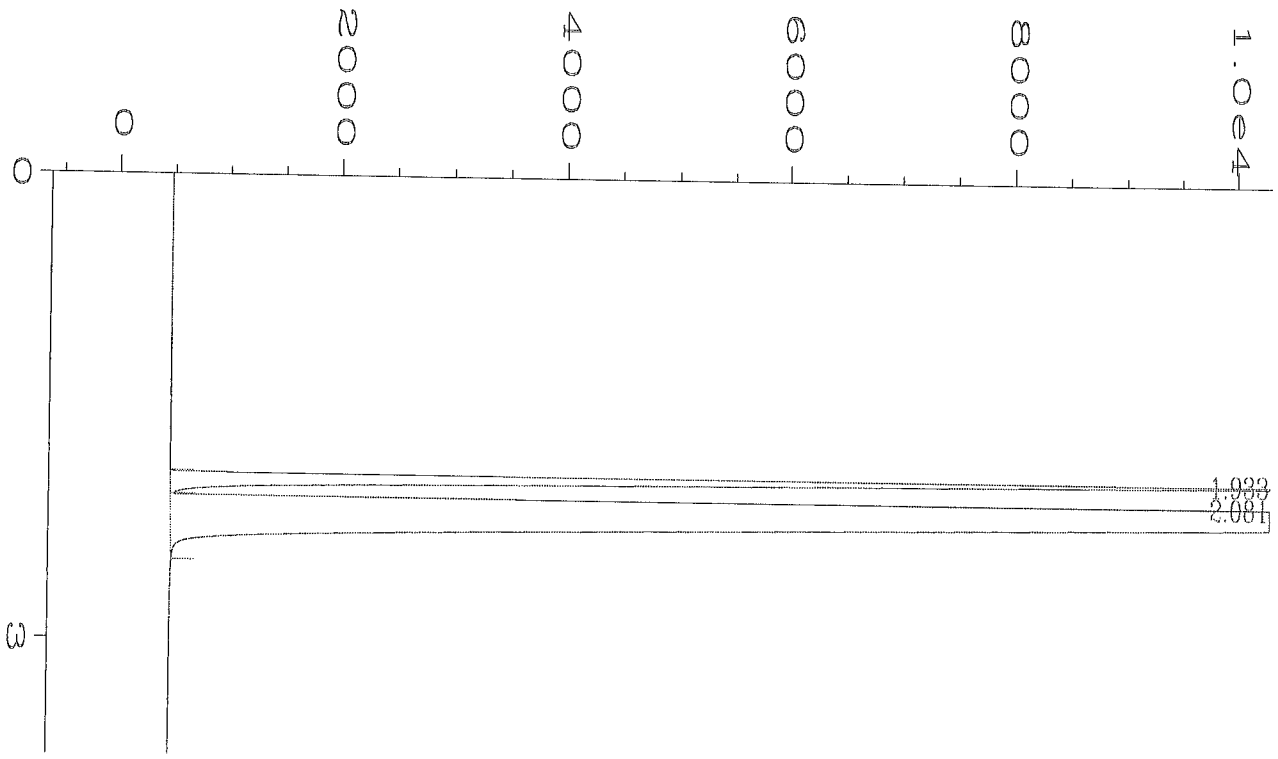
Temp	**25**	C
Atm P	**760.0**	torr
Gas Constant	24.4	
RL Factor	**1.07**	

SDG: 226144
Laboratory Number: 13

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.584	0.625	0.584	0.625	5,837	6,246	U
Oxygen	32.00	18.56	18.56	18.56	185,610	18.56	18.56	500	0.077	0.082	0.077	0.082	768	822	
Nitrogen	28.01	81.44	81.44	81.44	814,390	81.44	81.44	1000	0.154	0.164	0.154	0.165	1,536	1,644	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	154	164	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	154	164	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	154	164	U
Sum - N2		18.56	100.00												
Sum		100.0													
Total Nitrogen		108.48													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

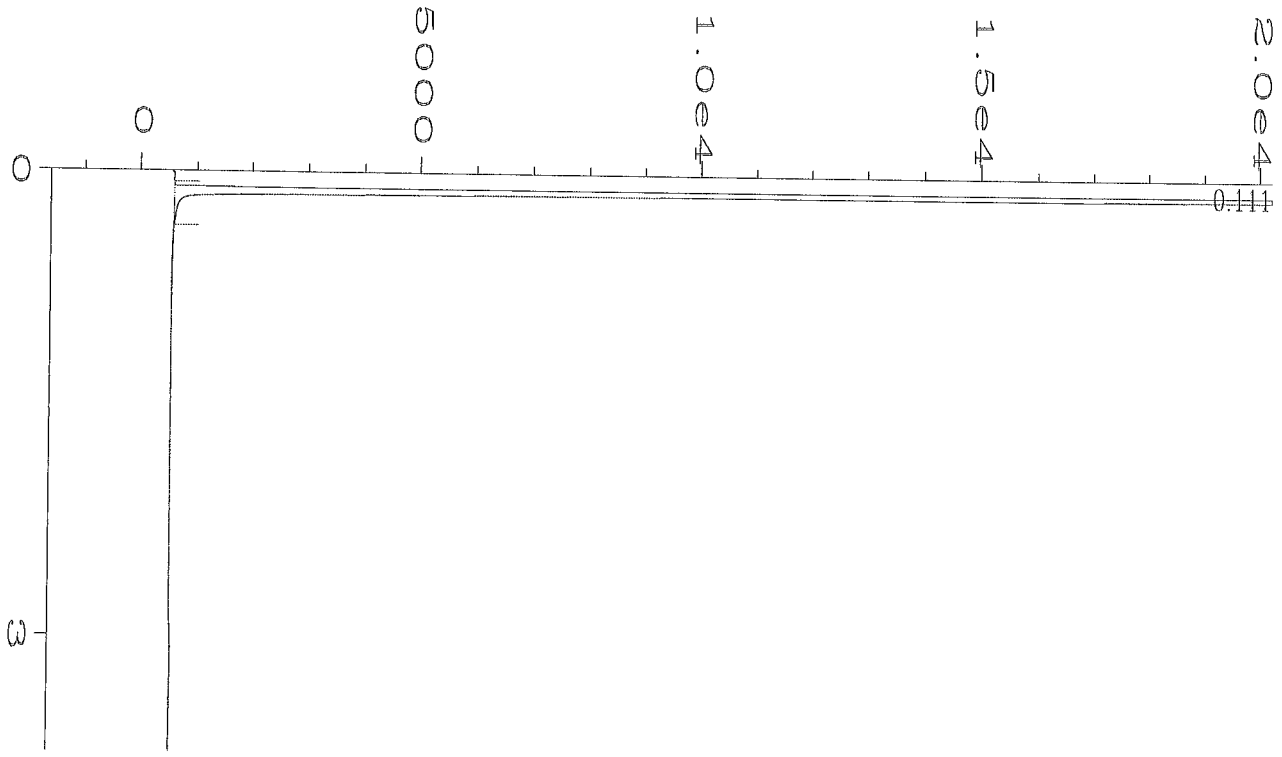
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Operator : DA
Instrument : GCL
Sample Name : T-113
Run Time Bar Code:
Acquired on : 01 Sep 26 02:51 PM
Report Created on: 03 Sep 26 01:18 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614413MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.933	27211	10718	BV	0.035	13.6348
2	2.081	172361	23940	VB	0.095	86.3652

Total area = 199573



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614413PA.D
Operator : DA
Instrument : GCL
Sample Name : T-113
Run Time Bar Code:
Acquired on : 01 Sep 26 02:51 PM
Report Created on: 03 Sep 26 01:18 PM

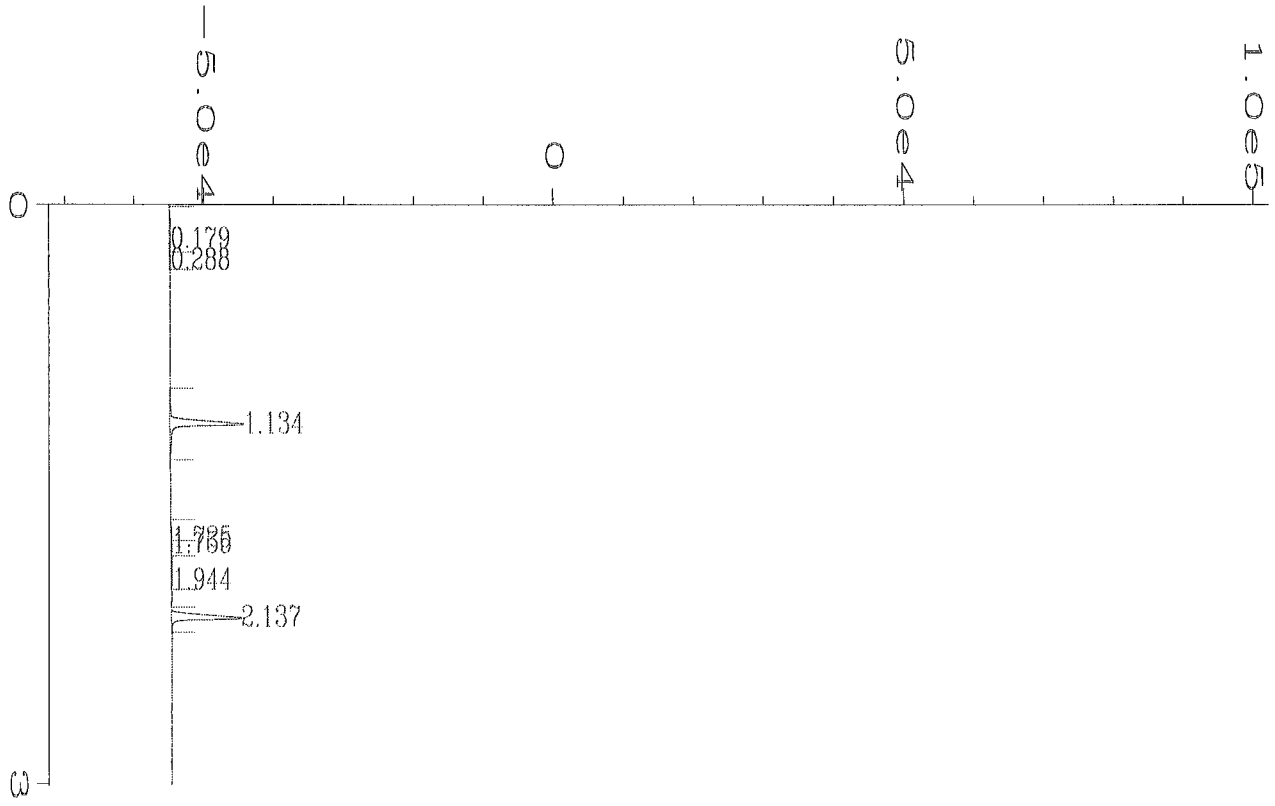
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Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614413PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	263465	256019	BB S	0.016	100.0000

Total area = 263465

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614413A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-113
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 02:48 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:38 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614413A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.179	1605	167	BV	0.119	3.9890
2	0.288	645	161	VV	0.061	1.6035
3	1.134	19473	10665	VV	0.028	48.4048
4	1.725	620	168	PV	0.049	1.5407
5	1.755	627	165	VV	0.058	1.5592
6	1.944	1159	134	VV	0.126	2.8802
7	2.137	16101	10154	PV	0.025	40.0226

Total area = 40229

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Sample Data Packages

SDG Number **226144**

Lab Id Number **14**

Client ID T-114

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 14

File Name: 2614414A
Description: T-114
Can/Tube#: 529
QC_Batch: 090126-GCO

Date Sampled: 07/20/26 **Time:** 12:51
Date Analyzed: 09/01/26 **Time:** 14:58
Can Dilution Factor: 1.24

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.472	0.505	ND	4,723	5,053	ND	ND
7782-44-7	Oxygen	0.062	0.066	17.91	621	665	179,134	
630-08-0	Carbon Monoxide	0.012	0.013	ND	124	133	ND	ND
124-38-9	Carbon Dioxide	0.012	0.013	ND	124	133	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614414A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	14			SF:	2
Description:	T-114			Not Detected Flag:	ND
Date Sampled:	07/20/26	Time:	12:51	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	14:58	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	529				
Can Factor	1.24				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	32460
7727-37-9	Nitrogen	03	2.05	2.02	166162
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 14

File Name:	2614414A
QCBatch	090126-GCO
Can Factor	1.24
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.24
Gas Constant:	24.4
Decimal Places:	2

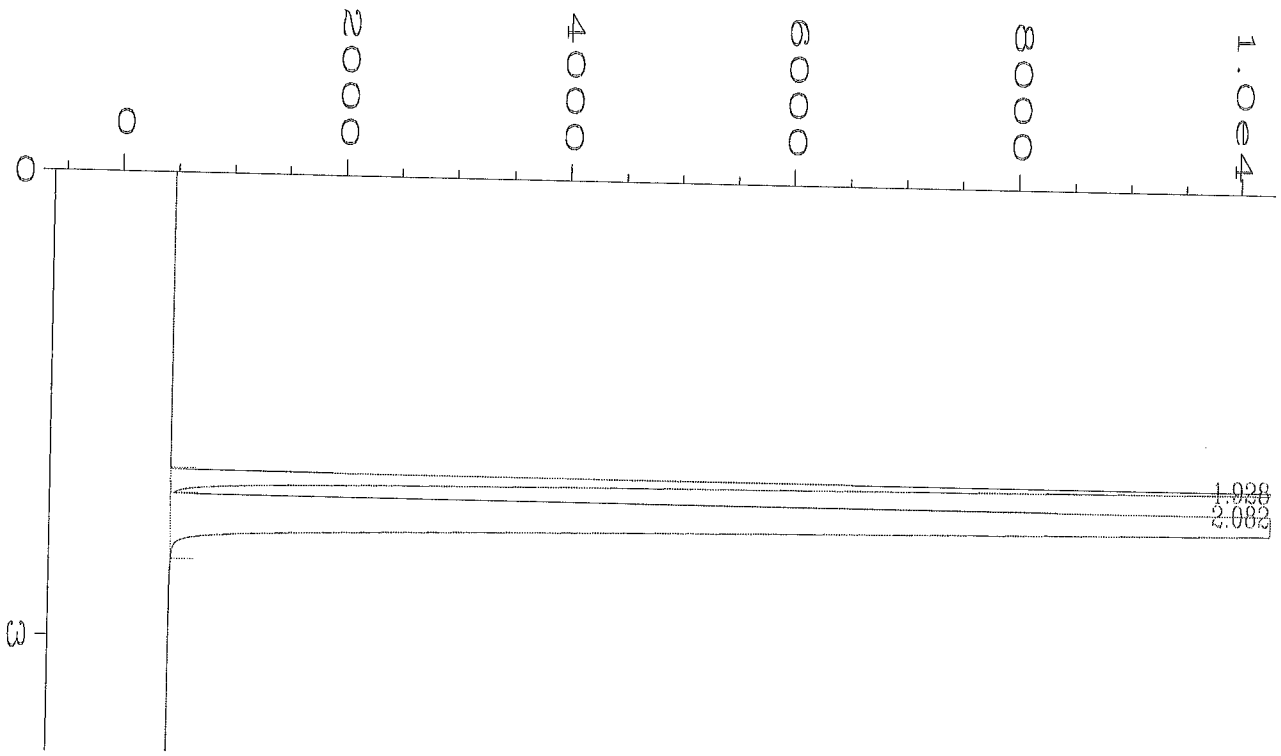
Detect Flag: ND
Report Normalized: No

Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.472	0.505	0.472	0.505	4,723	5,053	U
Oxygen	32.00	17.91	17.91	17.91	179,134	17.91	17.91	500	0.062	0.066	0.062	0.066	621	665	
Nitrogen	28.01	82.09	82.09	82.09	820,866	82.09	82.09	1000	0.124	0.133	0.124	0.133	1,243	1,330	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.012	0.013	0.012	0.013	124	133	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.012	0.013	0.012	0.013	124	133	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.012	0.013	0.012	0.013	124	133	U
Sum - N2		17.91	100.00												
Sum		100.0													
Total Nitrogen		84.61													

1998 Ford F-250

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

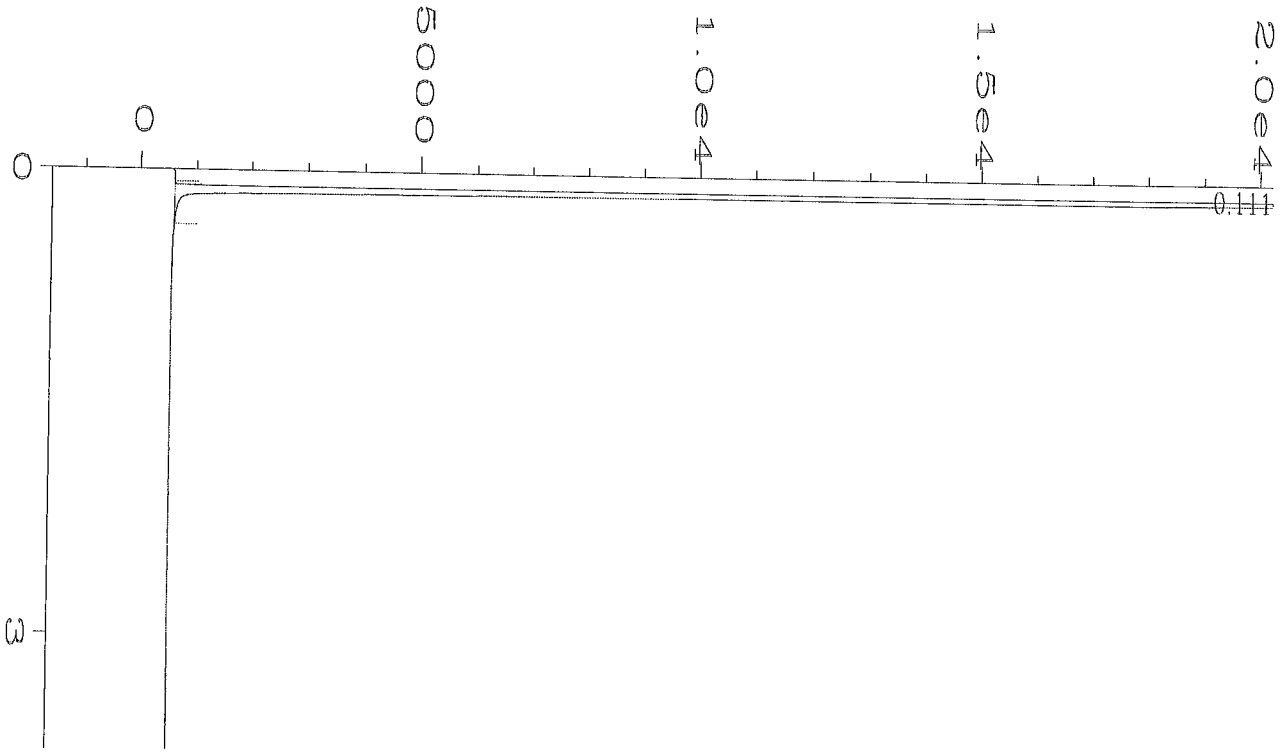
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614414MA.D
Operator : DA
Instrument : GCL
Sample Name : T-114
Run Time Bar Code:
Acquired on : 01 Sep 26 02:58 PM
Report Created on: 03 Sep 26 01:18 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614414MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.928	32460	12281	BV	0.036	16.3428
2	2.082	166162	23412	VB	0.092	83.6572

Total area = 198623



Area Percent Report

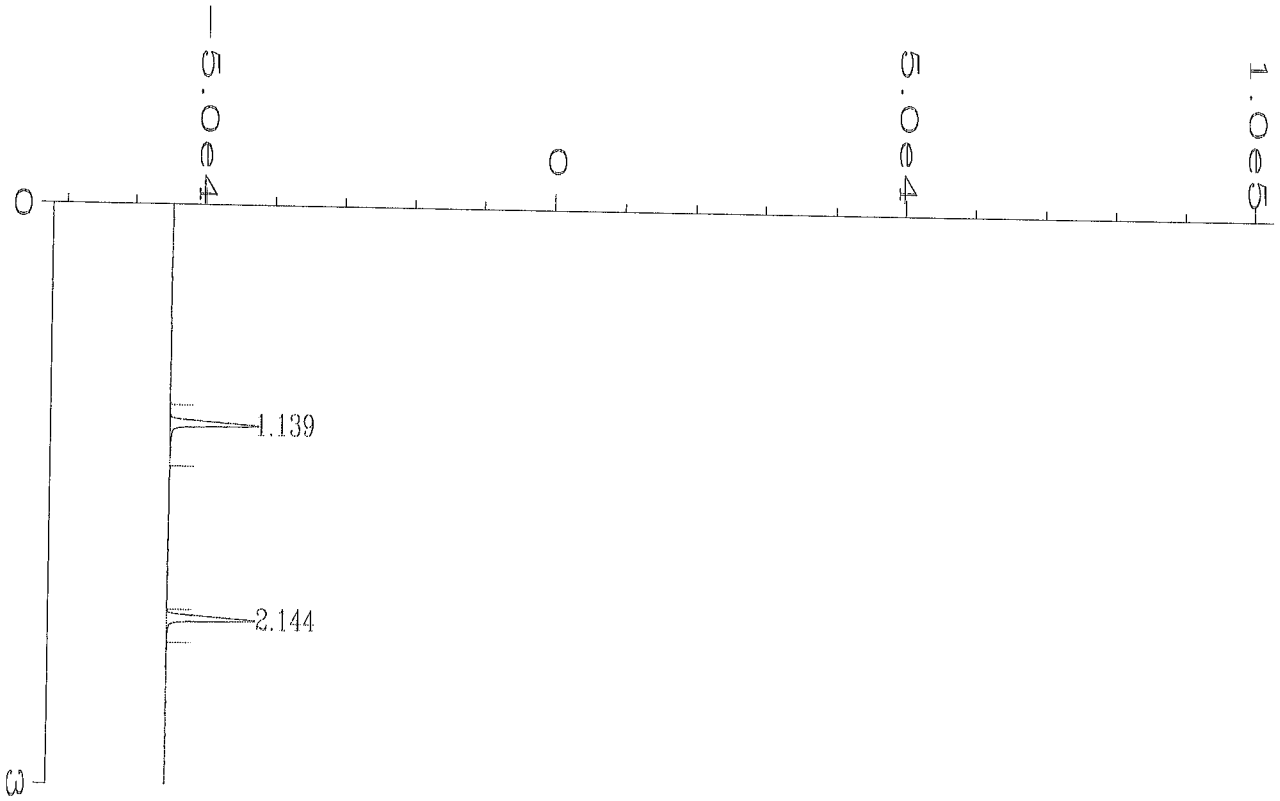
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614414PA.D
Operator : DA
Instrument : GCL
Sample Name : T-114
Run Time Bar Code:
Acquired on : 01 Sep 26 02:58 PM
Report Created on: 03 Sep 26 01:19 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614414PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	260901	264538	BB S	0.015	100.0000

Total area = 260901



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614414A.D
Operator : DA
Instrument : GCL
Sample Name : T-114
Run Time Bar Code:
Acquired on : 08 Sep 26 02:52 PM
Report Created on: 09 Aug 26 12:39 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614414A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.139	21619	13075	PV	0.039	51.1321
2	2.144	20661	12845	PV	0.025	48.8679

Total area = 42280

Sample Data Packages

SDG Number **226144**

Lab Id Number **15**

Client ID T-201

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 15

File Name: 2614415A
Description: T-201
Can/Tube#: 653
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:16
Date Analyzed: 09/01/26 **Time:** 15:04
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.533	0.570	ND	5,334	5,707	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.58	702	751	175,832	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.08	140	150	783	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614415A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	15			SF:	2
Description:	T-201			Not Detected Flag:	ND
Date Sampled:	07/21/26	Time:	9:16	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	15:04	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	653				
Can Factor	1.40				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28212
7727-37-9	Nitrogen	03	2.05	2.02	166952
74[illegible]82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		271

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name:	2614415A
QCBatch	090126-GCO
Can Factor	1.40
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.40
Gas Constant:	24.4
Decimal Places:	2

Detect Flag: ND
Report Normalized: **No**

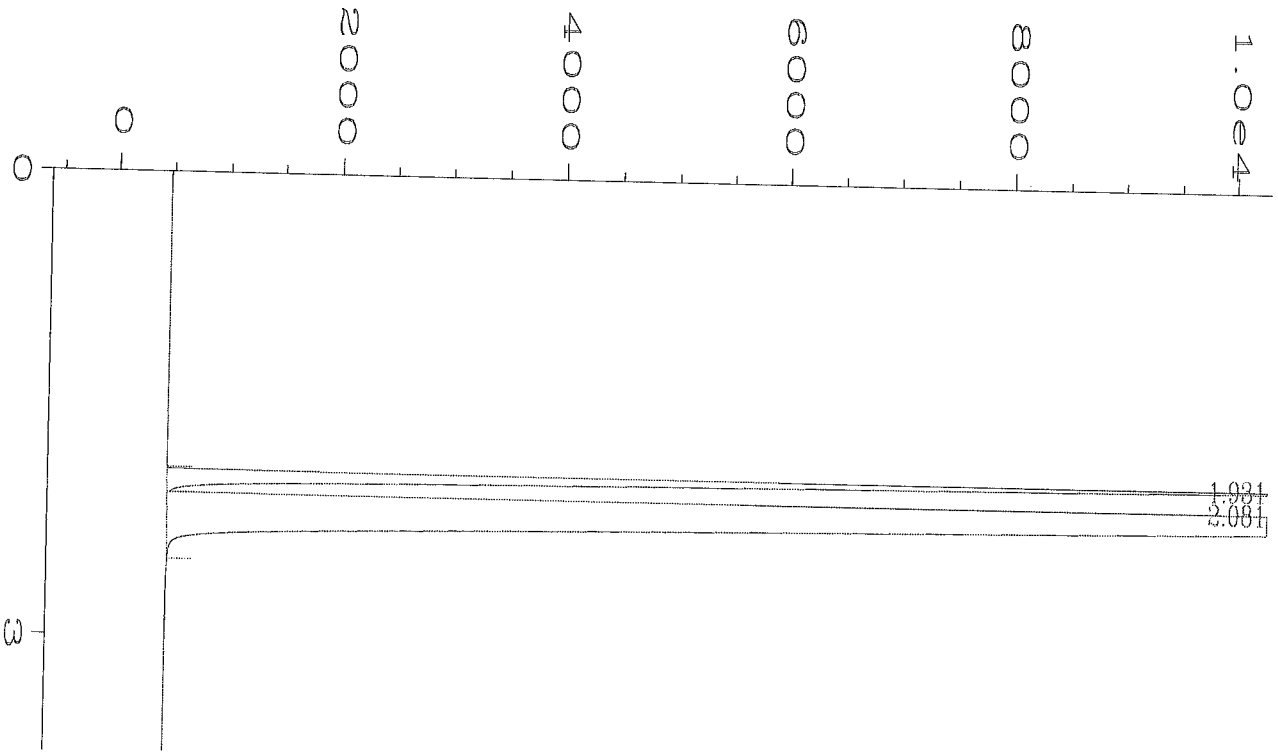
Temp	**25**	C
Atm P	**760.0**	torr
Gas Constant	24.4	
RL Factor	**1.07**	

SDG: 226144
Laboratory Number: 15

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.533	0.571	0.533	0.570	5,334	5,707	U
Oxygen	32.00	17.58	17.58	17.58	175,832	17.58	17.58	500	0.070	0.075	0.070	0.075	702	751	
Nitrogen	28.01	82.34	82.34	82.34	823,386	82.34	82.34	1000	0.140	0.150	0.140	0.150	1,404	1,502	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Dioxide	44.01	0.08	0.08	0.08	783	0.08	0.08	100	0.014	0.015	0.014	0.015	140	150	
Sum - N2		17.66	100.00												
Sum		100.0													
Total Nitrogen		96.01													

226144 [illegible]

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

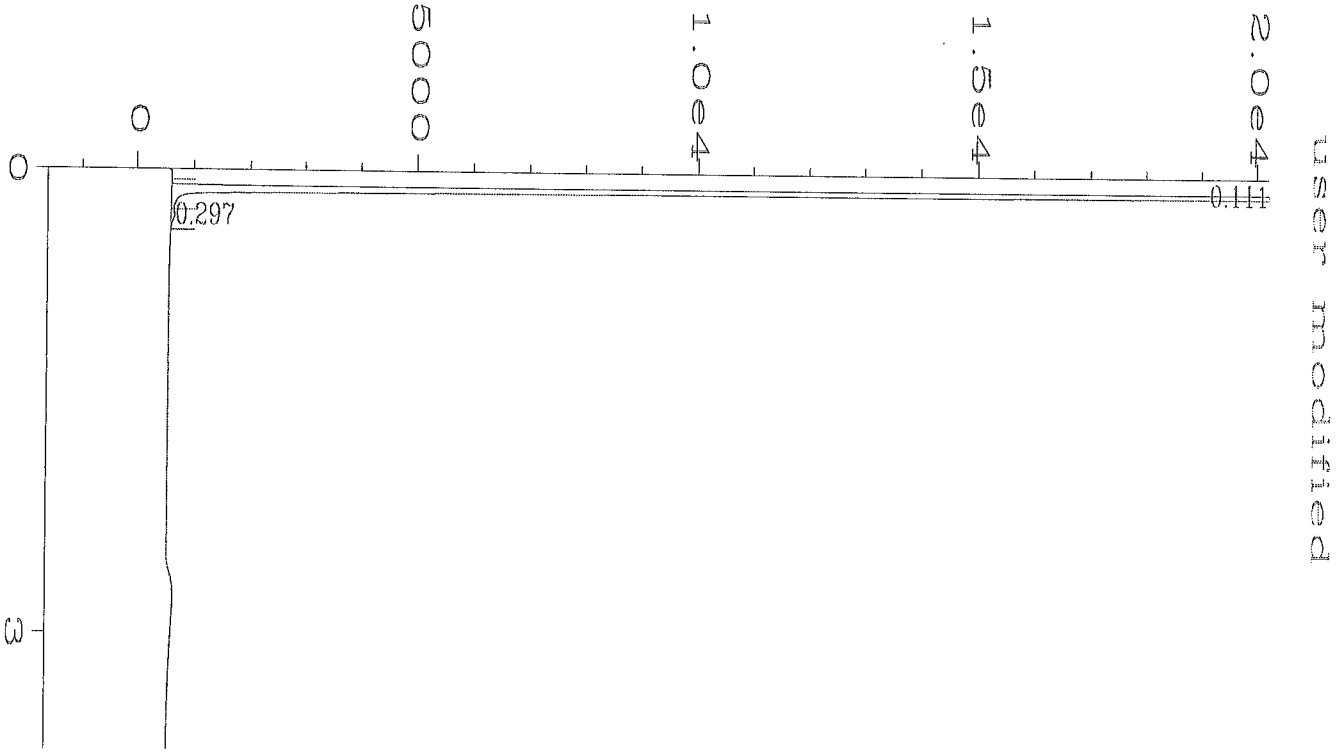
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614415MA.D
Operator : DA
Instrument : GCL
Sample Name : T-201
Run Time Bar Code:
Acquired on : 01 Sep 26 03:04 PM
Report Created on: 03 Sep 26 01:19 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614415MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.931	28212	11289	BV	0.034	14.4555
2	2.081	166952	23639	VB	0.093	85.5445

Total area = 195164



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614415PA.D
Operator : DA
Instrument : GCL
Sample Name : T-201
Run Time Bar Code:
Acquired on : 01 Sep 26 03:04 PM
Report Created on: 03 Sep 26 01:19 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

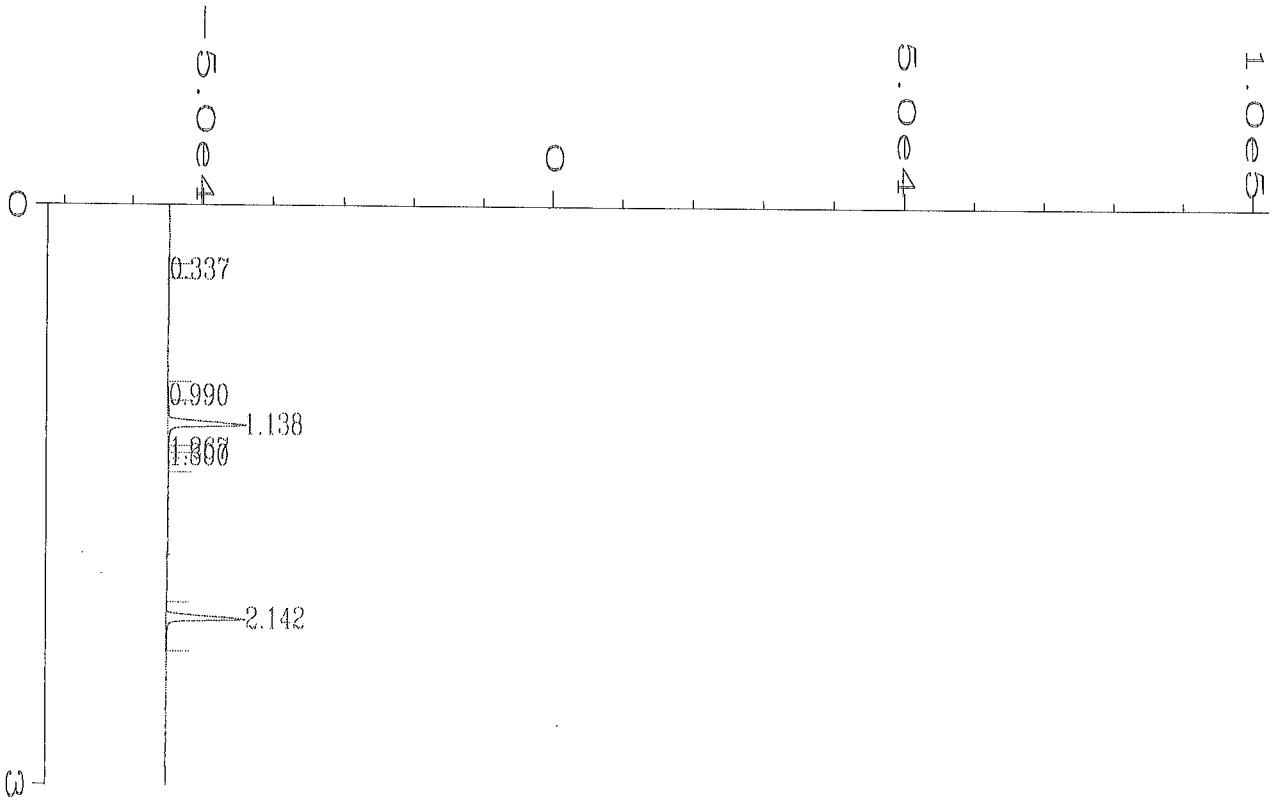
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614415PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	259286	256994	BB S	0.016	99.8955
2	0.297	271	70	MM	0.065	0.1045

Total area = 259557

User Modified

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614415A.D
Operator : DA
Instrument : GCL
Sample Name : T-201
Run Time Bar Code:
Acquired on : 08 Sep 26 02:55 PM
Report Created on: 09 Aug 26 12:39 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614415A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.337	286	131	PV	0.036	0.7254
2	0.990	451	126	PV	0.047	1.1417
3	1.138	19624	11565	VV	0.037	49.7120
4	1.267	187	124	VV	0.025	0.4740
5	1.300	440	112	VB	0.049	1.1144
6	2.142	18487	11542	VV	0.034	46.8324

Total area = 39475

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **16**

Client ID T-202

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 16

File Name: 2614416A
Description: T-202
Can/Tube#: 803
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:11
Date Analyzed: 09/01/26 **Time:** 15:10
Can Dilution Factor: 1.27

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.481	0.515	ND	4,807	5,144	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.29	633	677	182,900	
630-08-0	Carbon Monoxide	0.013	0.014	ND	127	135	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	127	135	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614416A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	16			SF:	2
Description:	T-202			Not Detected Flag:	ND
Date Sampled:	07/21/26	Time:	9:11	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	15:10	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	803				
Can Factor	1.27				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	32561
7727-37-9	Nitrogen	03	2.05	2.02	163820
74[illegible]2-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name: 2614416A
QCBatch 090126-GCO
Can Factor 1.27
Air Volume: 0.50 ml
Base Volume 0.50 ml
Dilution Factor 1.27
Gas Constant: 24.4
Decimal Places: 2

Detect Flag: ND
Report Normalized: No

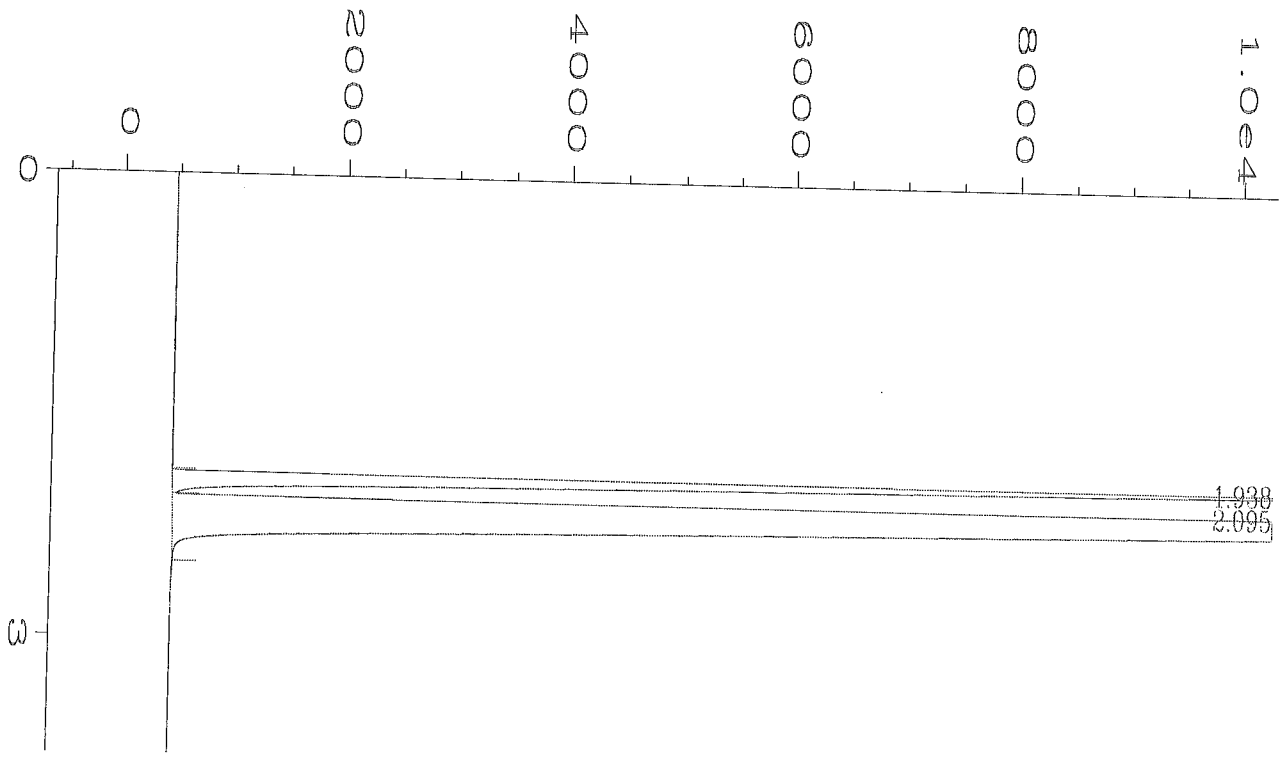
Temp 25 C
Atm P 760.0 torr
Gas Constant 24.4
RL Factor 1.07

SDG: 226144
Laboratory Number: 16

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.481	0.514	0.481	0.515	4,807	5,144	U
Oxygen	32.00	18.29	18.29	18.29	182,900	18.29	18.29	500	0.063	0.068	0.063	0.067	633	677	
Nitrogen	28.01	81.71	81.71	81.71	817,100	81.71	81.71	1000	0.127	0.135	0.127	0.136	1,265	1,354	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	127	135	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	127	135	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	127	135	U
Sum - N2		18.29	100.00												
Sum		100.0													
Total Nitrogen		84.91													

006452 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

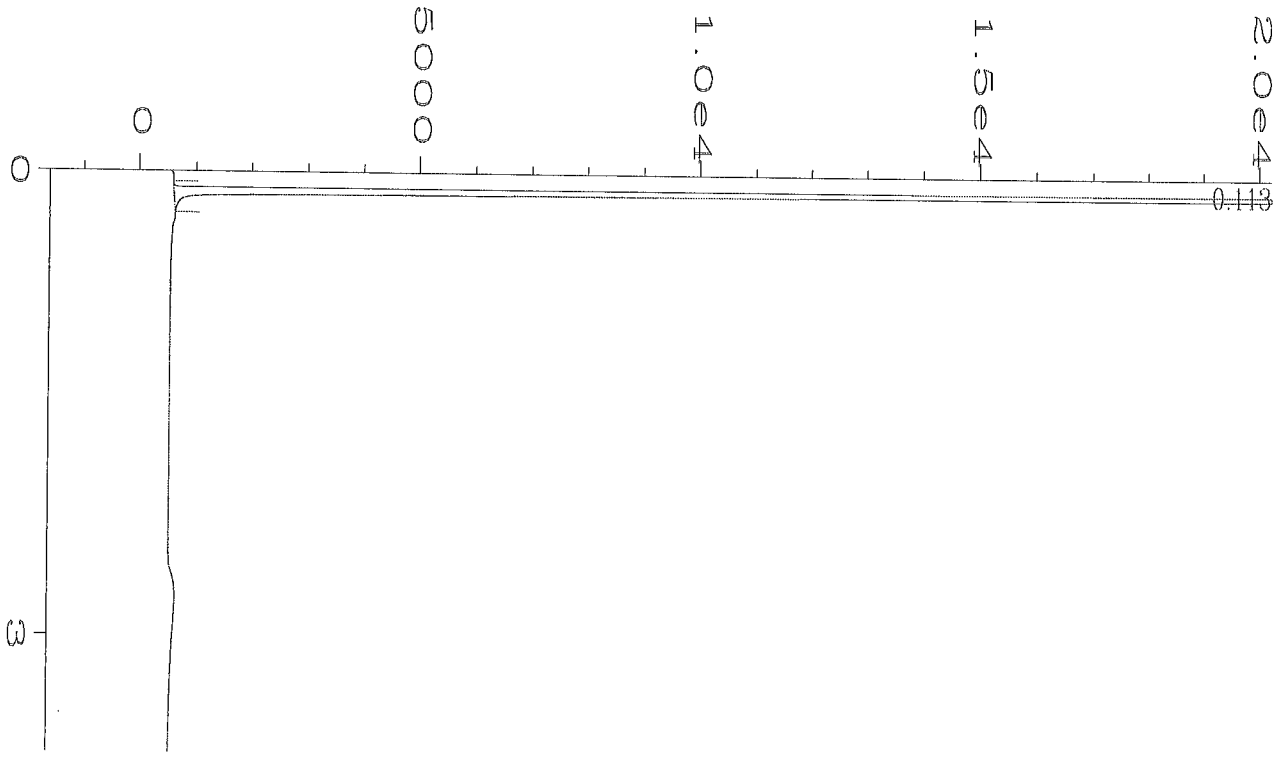
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Operator : DA
Instrument : GCL
Sample Name : T-202
Run Time Bar Code:
Acquired on : 01 Sep 26 03:10 PM
Report Created on: 03 Sep 26 01:19 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614416MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.938	32561	12285	BV	0.036	16.5804
2	2.095	163820	23211	VB	0.092	83.4196

Total area = 196381



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614416PA.D
Operator : DA
Instrument : GCL
Sample Name : T-202
Run Time Bar Code:
Acquired on : 01 Sep 26 03:10 PM
Report Created on: 03 Sep 26 01:19 PM

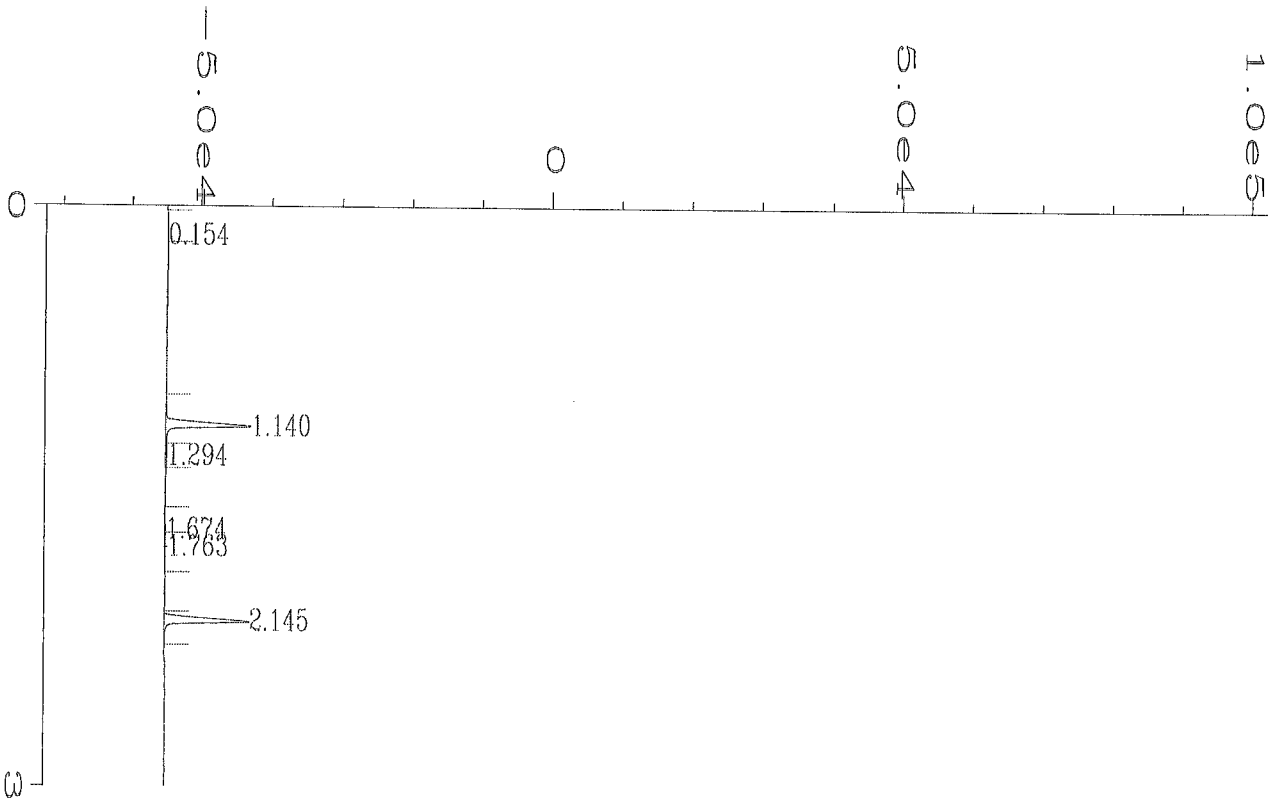
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614416PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.113	252844	236672	BB S	0.040	100.0000

Total area = 252844

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614416A.D
Operator : DA
Instrument : GCL
Sample Name : T-202
Run Time Bar Code:
Acquired on : 08 Sep 26 02:59 PM
Report Created on: 09 Aug 26 12:39 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614416A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.154	579	91	BV	0.100	1.3094
2	1.140	21186	12361	BV	0.026	47.9233
3	1.294	1205	218	VV	0.070	2.7266
4	1.674	334	158	PV	0.057	0.7548
5	1.763	1216	467	VV	0.043	2.7512
6	2.145	19688	11636	VV	0.026	44.5347

Total area = 44208

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Sample Data Packages

SDG Number **226144**

Lab Id Number **17**

Client ID T-203

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 17

File Name: 2614417A
Description: T-203
Can/Tube#: 668
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:37
Date Analyzed: 09/01/26 **Time:** 15:16
Can Dilution Factor: 1.25

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.475	0.508	ND	4,754	5,087	ND	ND
7782-44-7	Oxygen	0.063	0.067	16.69	626	669	166,892	
630-08-0	Carbon Monoxide	0.013	0.014	ND	125	134	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.13	125	134	1,271	

QUANTITATION REPORT
ASTM D1945 GC/TCD

File Name:	2614417A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	17		SF:	2	
Description:	T-203		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 9:37	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 15:16	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	668				
Can Factor	1.25				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	30042
7727-37-9	Nitrogen	03	2.05	2.02	167555
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95		0
124-38-9	Carbon Dioxide	06	0.30		494

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name:	2614417A		
QCBatch	090126-GCO		
Can Factor	1.25		
Air Volume:	0.50	ml	
Base Volume	0.50	ml	
Dilution Factor	1.25		
Gas Constant:	24.4		
Decimal Places:	2		

Detect Flag: ND
Report Normalized: No

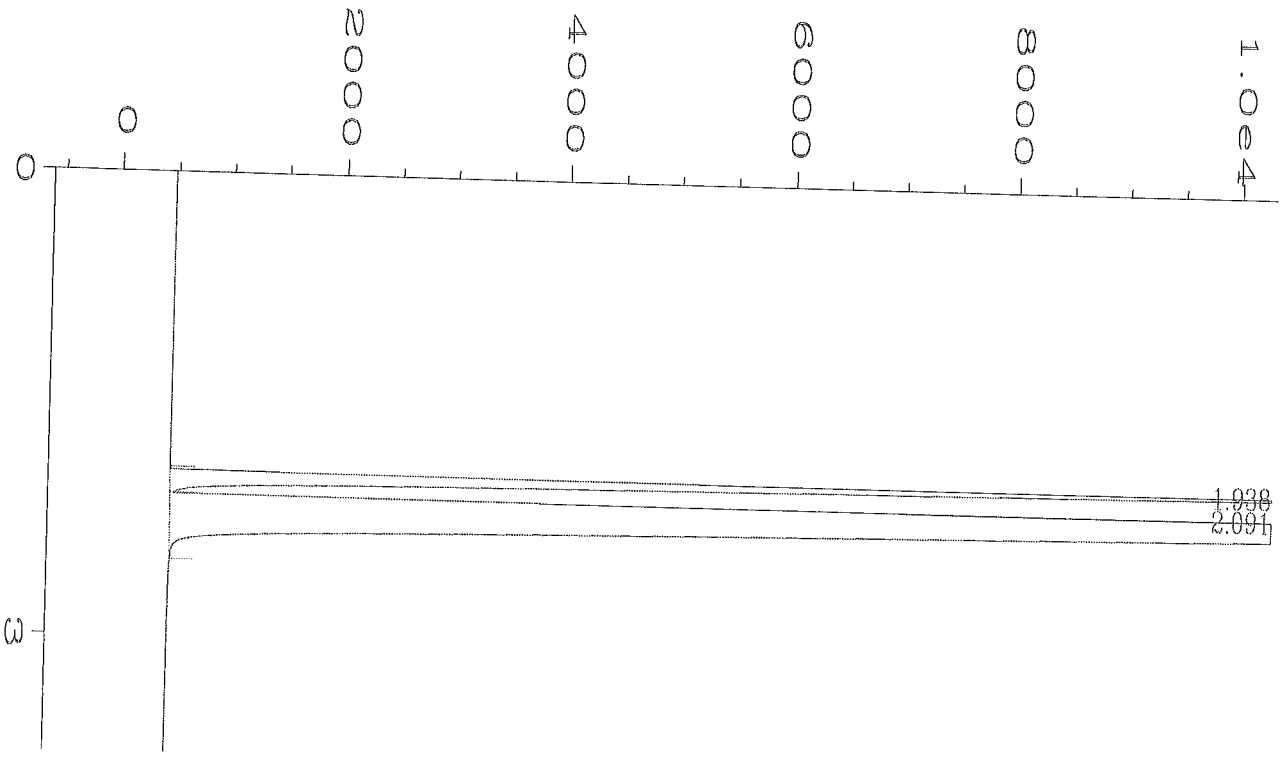
Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

SDG: 226144
Laboratory Number: 17

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.475	0.509	0.475	0.508	4,754	5,087	U
Oxygen	32.00	16.69	16.69	16.69	166,892	16.69	16.69	500	0.063	0.067	0.063	0.067	626	669	
Nitrogen	28.01	83.18	83.18	83.18	831,836	83.18	83.18	1000	0.125	0.134	0.125	0.134	1,251	1,339	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	125	134	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	125	134	U
Carbon Dioxide	44.01	0.13	0.13	0.13	1,271	0.13	0.13	100	0.013	0.013	0.013	0.014	125	134	
Sum - N2		16.82	100.00												
Sum		100.0													
Total Nitrogen		85.89													

3441883

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

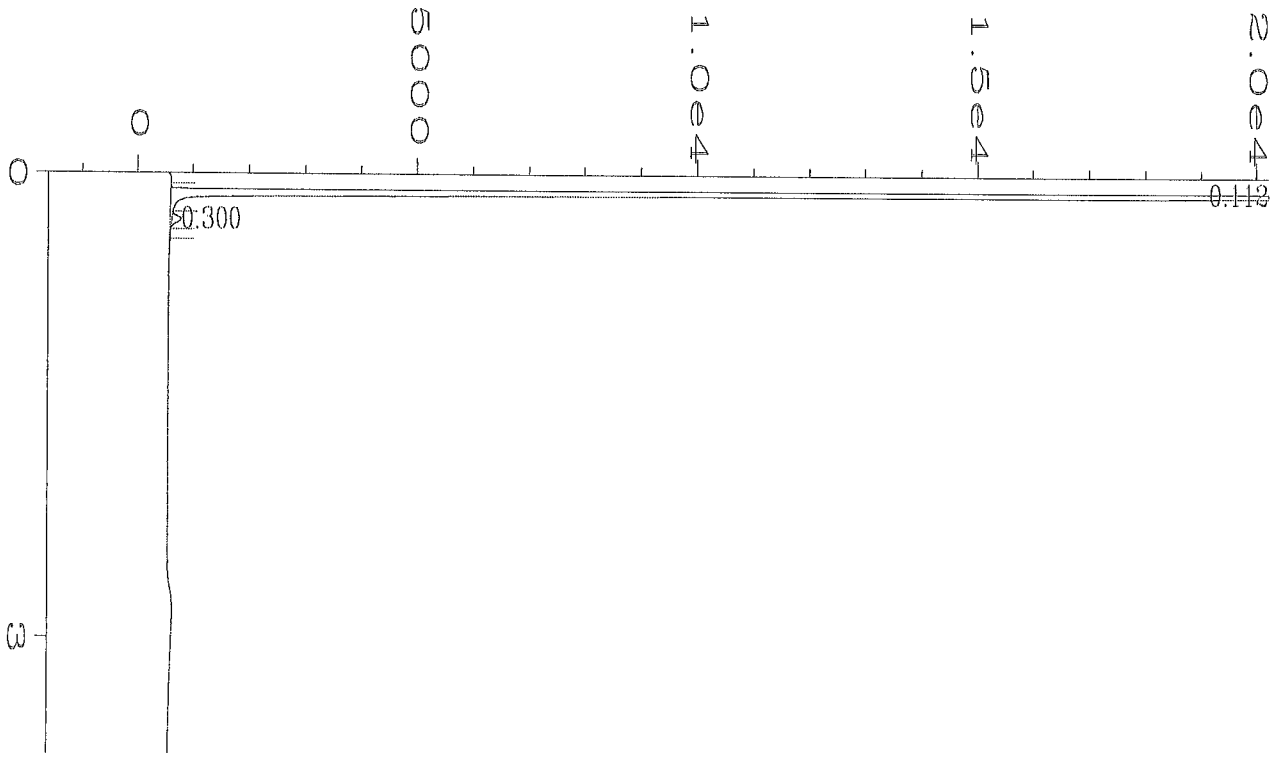
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614417MA.D
Operator : DA
Instrument : GCL
Sample Name : T-203
Run Time Bar Code:
Acquired on : 01 Sep 26 03:16 PM
Report Created on: 03 Sep 26 01:20 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614417MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.938	30042	11847	BV	0.034	15.2037
2	2.091	167555	23485	VB	0.090	84.7963

Total area = 197597



==========

Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614417PA.D
Operator : DA
Instrument : GCL
Sample Name : T-203
Run Time Bar Code:
Acquired on : 01 Sep 26 03:16 PM
Report Created on: 03 Sep 26 01:20 PM

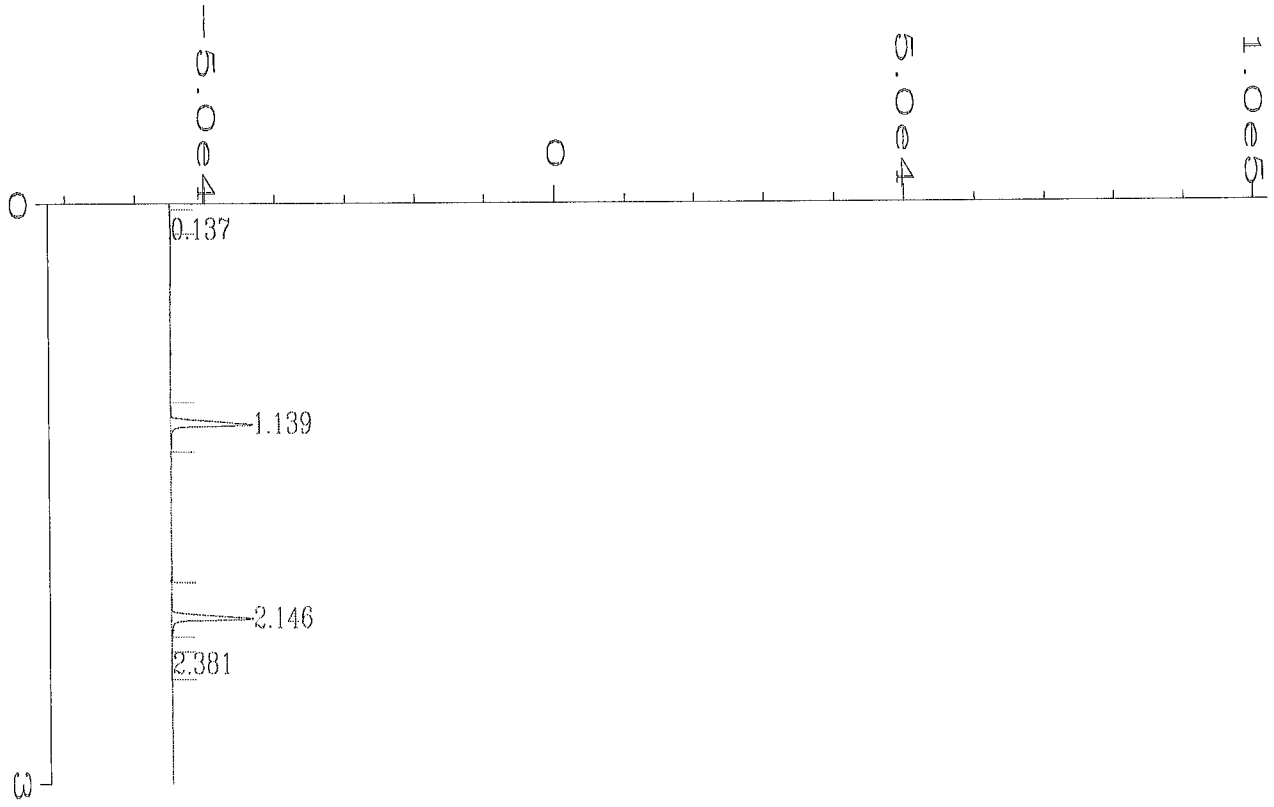
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614417PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.112	255696	268437	BB S	0.015	99.8071
2	0.300	494	167	BB T	0.048	0.1929

Total area = 256190

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614417A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-203
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 03:02 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:40 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614417A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.137	372	106	BV	0.045	0.9297
2	1.139	19641	11862	BV	0.026	49.0524
3	2.146	19316	12010	BV	0.025	48.2398
4	2.381	712	155	PV	0.073	1.7781

Total area = 40041

Sample Data Packages

SDG Number **226144**

Lab Id Number **18**

Client ID T-204

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 18

File Name: 2614418A
Description: T-204
Can/Tube#: 688
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 9:33
Date Analyzed: 09/01/26 **Time:** 15:21
Can Dilution Factor: 1.59

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.605	0.647	ND	6,049	6,473	ND	ND
7782-44-7	Oxygen	0.080	0.086	16.70	796	852	166,992	
630-08-0	Carbon Monoxide	0.016	0.017	ND	159	170	ND	ND
124-38-9	Carbon Dioxide	0.016	0.017	2.90	159	170	29,004	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614418A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	18		SF:	2	
Description:	T-204		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 9:33	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 15:21	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	688				
Can Factor	1.59				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**23624**
7727-37-9	Nitrogen	03	2.05	2.02	**163025**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**8856**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

Laboratory Number: 18

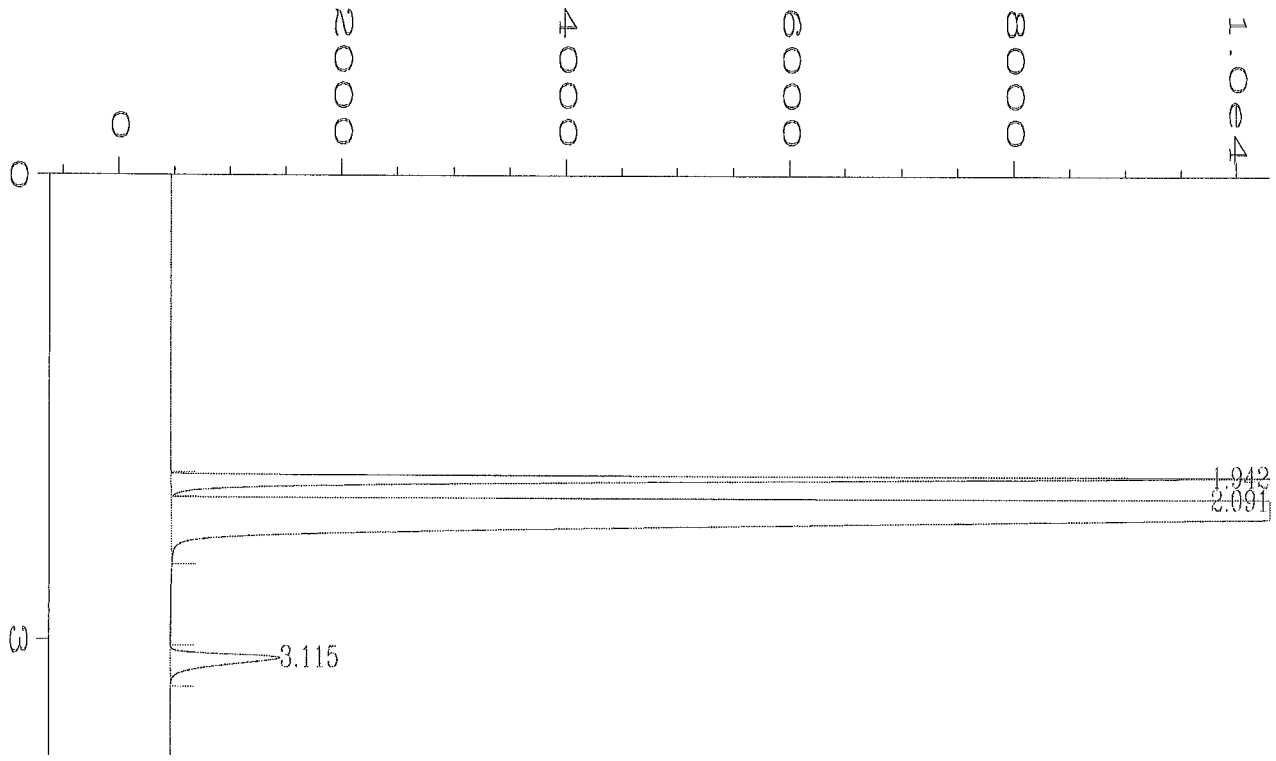
File Name:	2614418A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.59				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.59		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.605	0.647	0.605	0.647	6,049	6,473	U
Oxygen	32.00	16.70	16.70	16.70	166,992	16.70	16.70	500	0.080	0.085	0.080	0.086	796	852	
Nitrogen	28.01	80.40	80.40	80.40	804,005	80.40	80.40	1000	0.159	0.170	0.159	0.170	1,592	1,703	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.016	0.017	0.016	0.017	159	170	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.016	0.017	0.016	0.017	159	170	U
Carbon Dioxide	44.01	2.90	2.90	2.90	29,004	2.90	2.90	100	0.016	0.017	0.016	0.017	159	170	
Sum - N2		19.60	100.00												
Sum		100.0													
Total Nitrogen		106.33													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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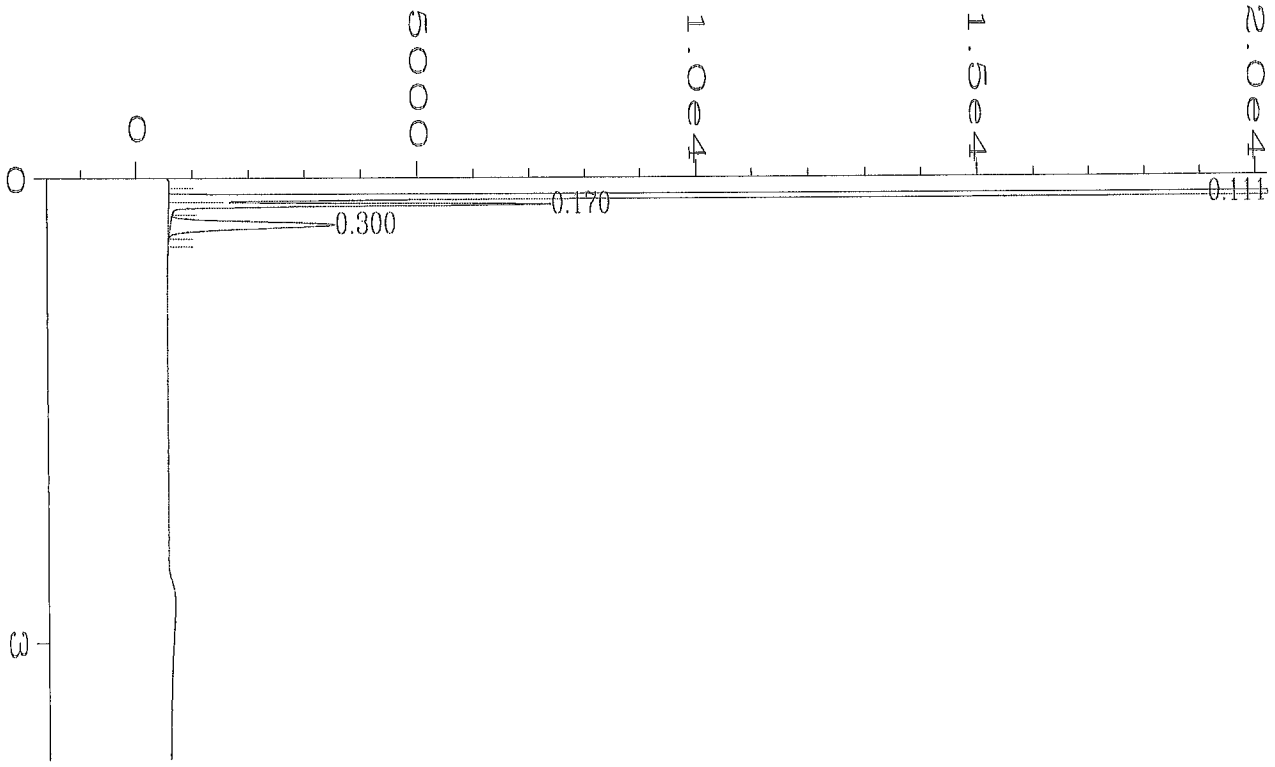
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614418MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-204
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:21 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:20 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614418MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.942	23624	9666	BV	0.041	12.3599
2	2.091	163025	23099	VB	0.091	85.2932
3	3.115	4486	981	BB	0.070	2.3470

Total area = 191135

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614418PA.D
Operator : DA
Instrument : GCL
Sample Name : T-204
Run Time Bar Code:
Acquired on : 01 Sep 26 03:21 PM
Report Created on: 03 Sep 26 01:21 PM

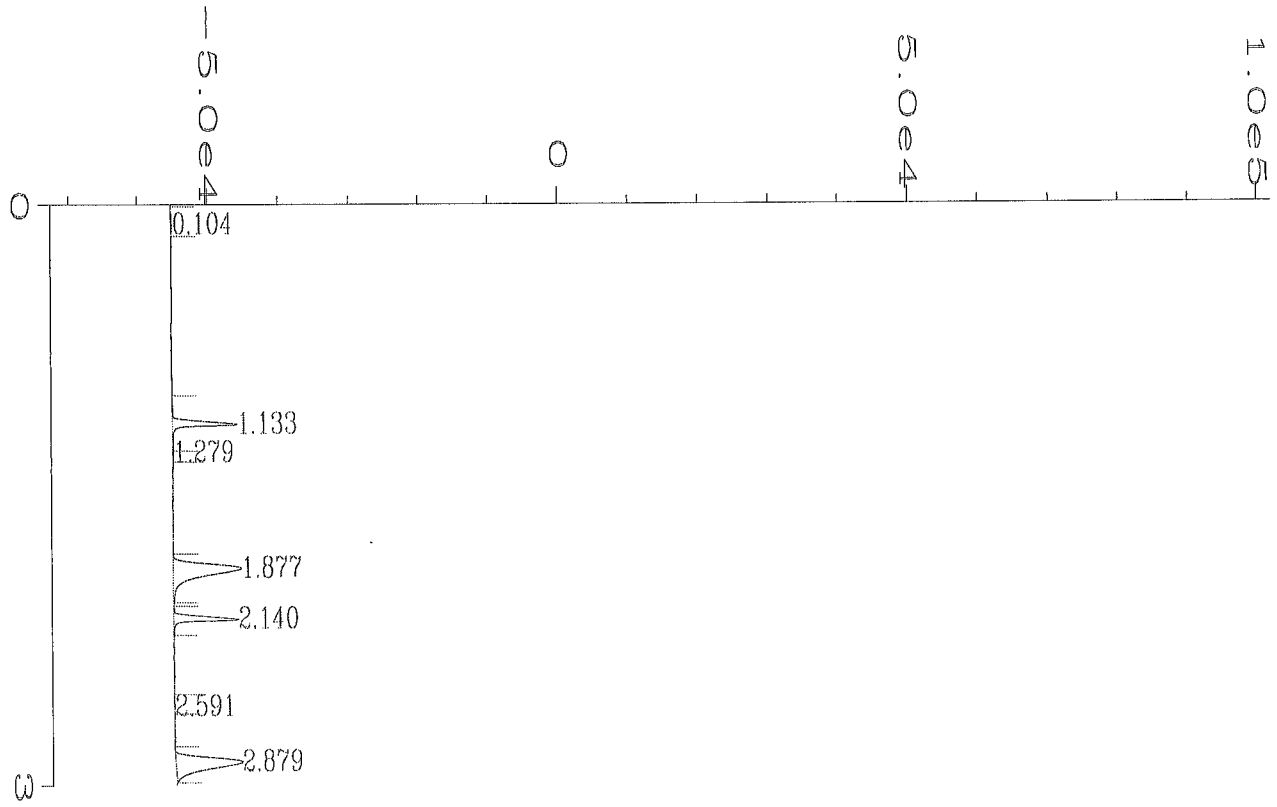
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614418PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	247044	250681	BH S	0.016	93.1337
2	0.170	9357	6851	HB S	0.021	3.5275
3	0.300	8856	2936	BB T	0.047	3.3388

Total area = 265257

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614418A.D
Operator : DA
Instrument : GCL
Sample Name : T-204
Run Time Bar Code:
Acquired on : 08 Sep 26 03:06 PM
Report Created on: 09 Aug 26 12:40 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614418A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.104	549	209	BV	0.038	0.5115
2	1.133	15478	9221	PV	0.026	14.4274
3	1.279	128	72	VV	0.030	0.1198
4	1.877	39717	9622	PV	0.062	37.0200
5	2.140	14349	9248	VV	0.024	13.3748
6	2.591	213	145	PV	0.024	0.1986
7	2.879	36850	9455	PBA	0.060	34.3480

Total area = 107285

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Sample Data Packages

SDG Number **226144**

Lab Id Number **19**

Client ID T-205

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 19

File Name: 2614419A
Description: T-205
Can/Tube#: 761
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:52
Date Analyzed: 09/01/26 **Time:** 15:27
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.534	0.571	ND	5,338	5,712	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.90	702	752	179,033	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.12	140	150	1,243	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614419A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	19			SF:	2
Description:	T-205			Not Detected Flag:	ND
Date Sampled:	07/21/26	Time:	10:52	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	15:27	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	761				
Can Factor	1.40				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28701
7727-37-9	Nitrogen	03	2.05	2.02	166305
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		430

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 19

File Name:	2614419A
QCBatch	090126-GCO
Can Factor	1.40
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.40
Gas Constant:	24.4
Decimal Places:	2

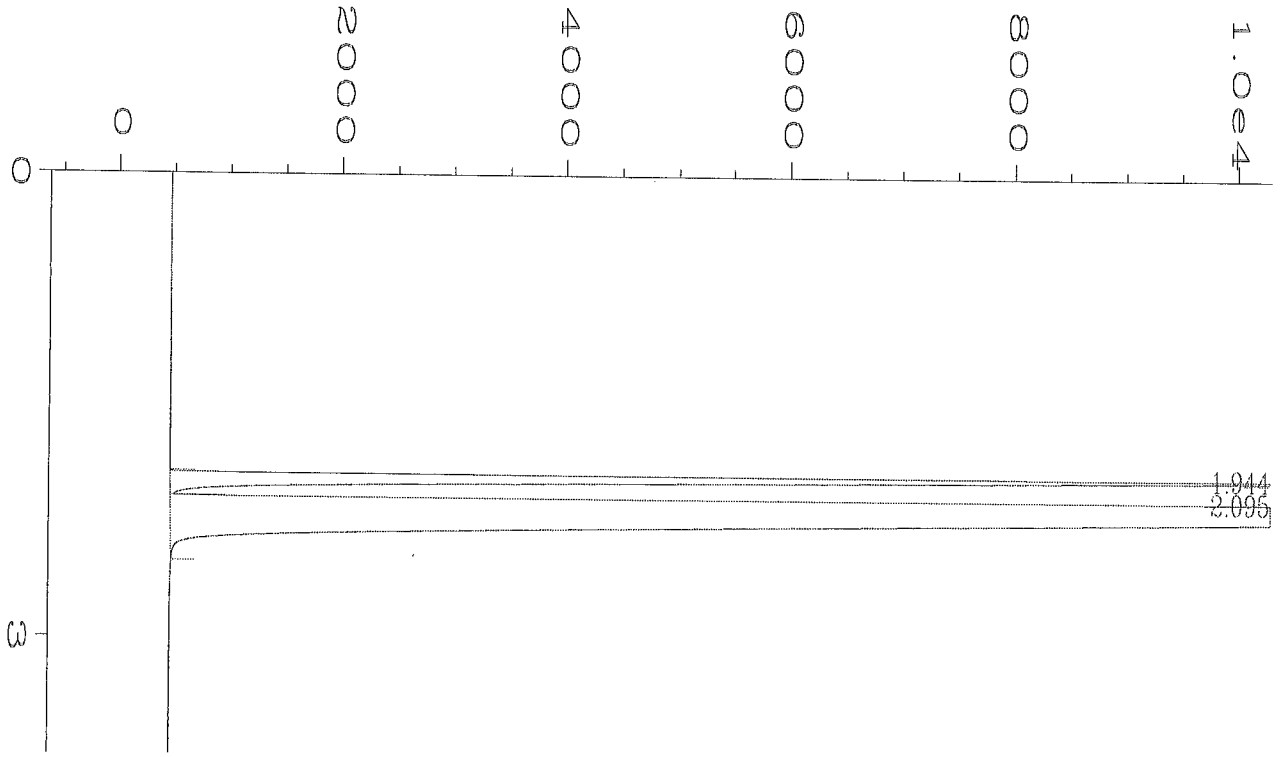
Detect Flag: ND
Report Normalized: **No**

Temp	**25**	C
Atm P	**760.0**	torr
Gas Constant	24.4	
RL Factor	**1.07**	

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.534	0.571	0.534	0.571	5,338	5,712	U
Oxygen	32.00	17.90	17.90	17.90	179,033	17.90	17.90	500	0.070	0.075	0.070	0.075	702	752	
Nitrogen	28.01	81.97	81.97	81.97	819,724	81.97	81.97	1000	0.140	0.150	0.140	0.150	1,405	1,503	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Dioxide	44.01	0.12	0.12	0.12	1,243	0.12	0.12	100	0.014	0.015	0.014	0.015	140	150	
Sum - N2		18.03	100.00												
Sum		100.0													
Total Nitrogen		95.72													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614419MA.D
Operator : DA
Instrument : GCL
Sample Name : T-205
Run Time Bar Code:
Acquired on : 01 Sep 26 03:27 PM
Report Created on: 03 Sep 26 01:21 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614419MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.944	28701	11040	BV	0.035	14.7180
2	2.095	166305	23491	VB	0.092	85.2820

Total area = 195007

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Area Percent Report

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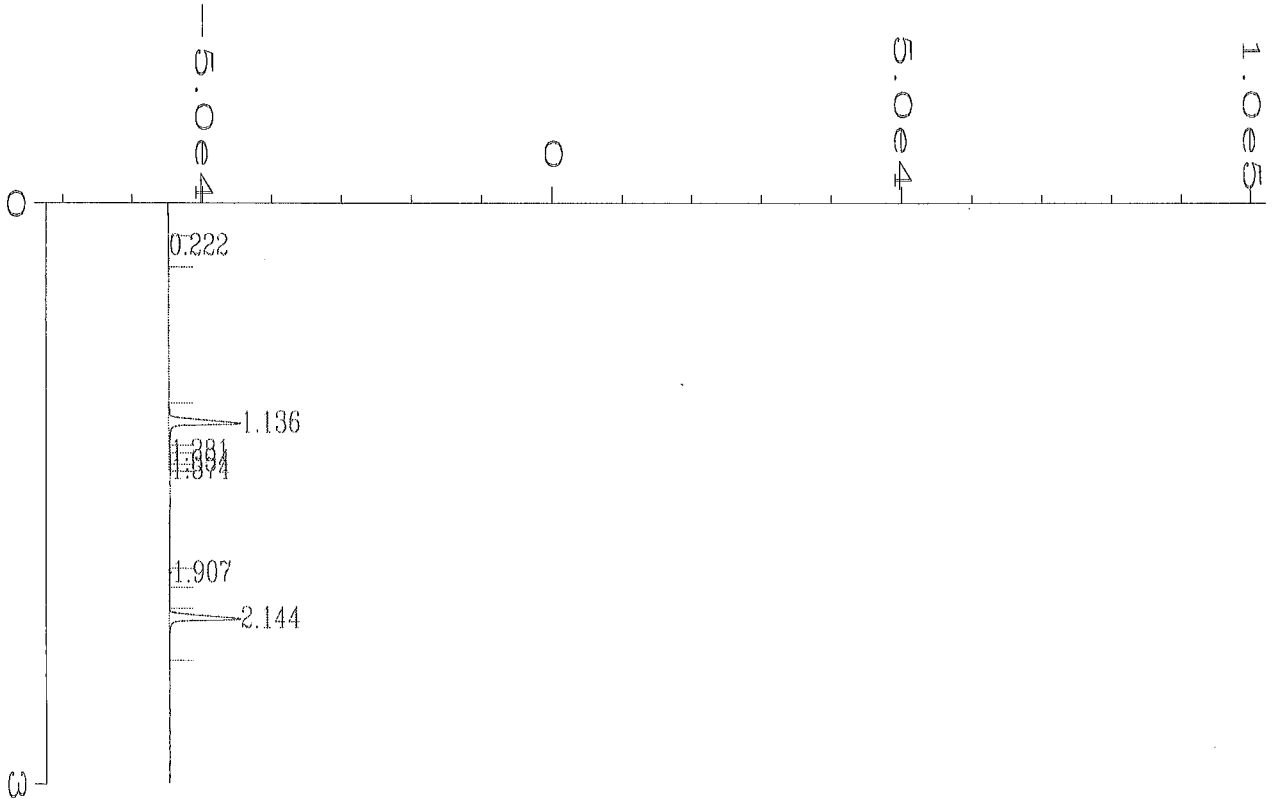
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614419PA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-205
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:27 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:21 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614419PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	257836	255526	BB S	0.016	99.8334
2	0.300	430	148	BV T	0.047	0.1666

Total area = 258266

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614419A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-205
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 03:10 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:40 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614419A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.222	549	87	VB	0.084	1.4753
2	1.136	17724	10514	PV	0.038	47.6101
3	1.281	343	175	VV	0.033	0.9209
4	1.334	645	209	VV	0.041	1.7316
5	1.374	425	233	VV	0.030	1.1425
6	1.907	536	381	VV	0.023	1.4407
7	2.144	17005	10324	VV	0.025	45.6790

Total area = 37228

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **20**

Client ID T-206

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 20

File Name: 2614420A
Description: T-206
Can/Tube#: 809
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:51
Date Analyzed: 09/01/26 **Time:** 15:33
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.541	0.579	ND	5,412	5,791	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.19	712	762	181,884	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.09	142	152	929	

QUANTITATION REPORT
ASTM D1945 GC/TCD

File Name:	2614420A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	20			SF:	2
Description:	T-206			Not Detected Flag:	ND
Date Sampled:	07/21/26	Time:	10:51	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	15:33	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	809				
Can Factor	1.42				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28762
7727-37-9	Nitrogen	03	2.05	2.02	169106
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		317

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

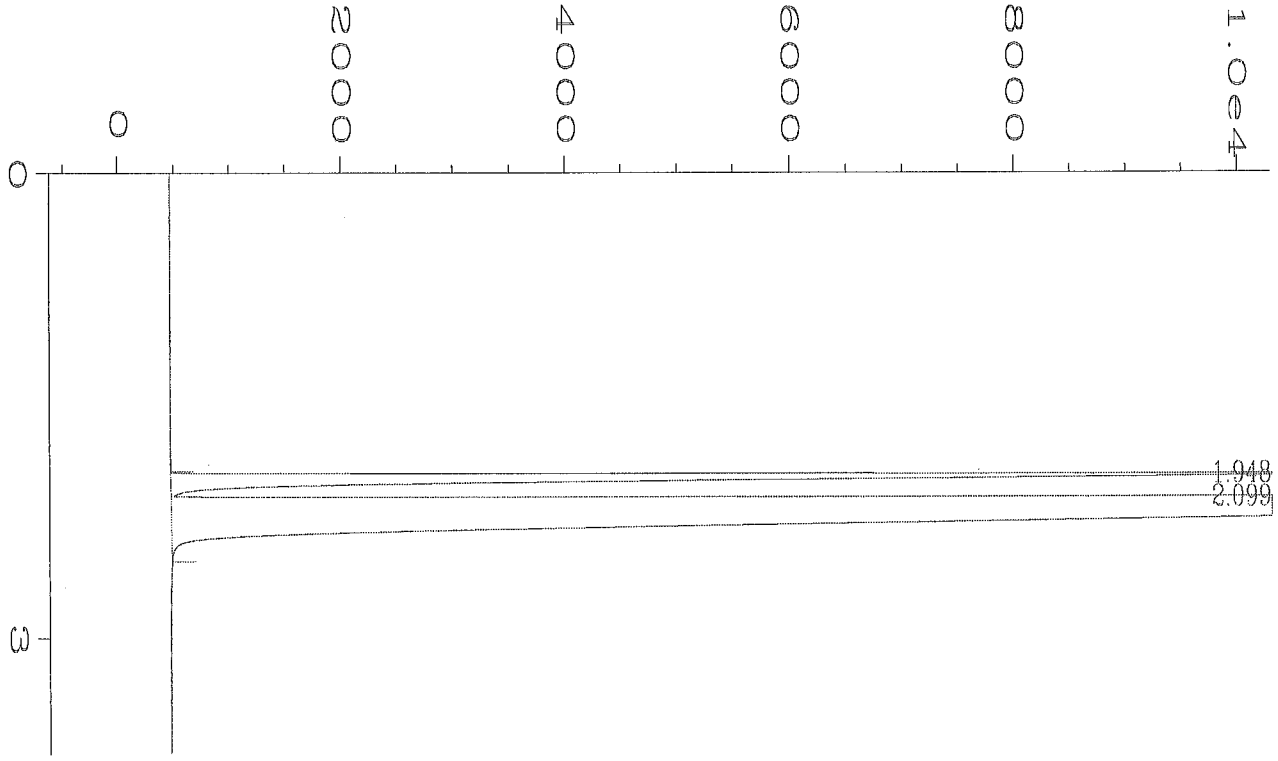
Laboratory Number: 20

File Name:	2614420A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.42				
Air Volume:	0.50 ml		Temp	25	C
Base Volume	0.50 ml		Atm P	760.0	torr
Dilution Factor	1.42		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.541	0.579	0.541	0.579	5,412	5,791	U
Oxygen	32.00	18.19	18.19	18.19	181,884	18.19	18.19	500	0.071	0.076	0.071	0.076	712	762	
Nitrogen	28.01	81.72	81.72	81.72	817,187	81.72	81.72	1000	0.142	0.152	0.142	0.152	1,424	1,524	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Dioxide	44.01	0.09	0.09	0.09	929	0.09	0.09	100	0.014	0.015	0.014	0.015	142	152	
Sum - N2		18.28	100.00												
Sum		100.0													
Total Nitrogen		98.67													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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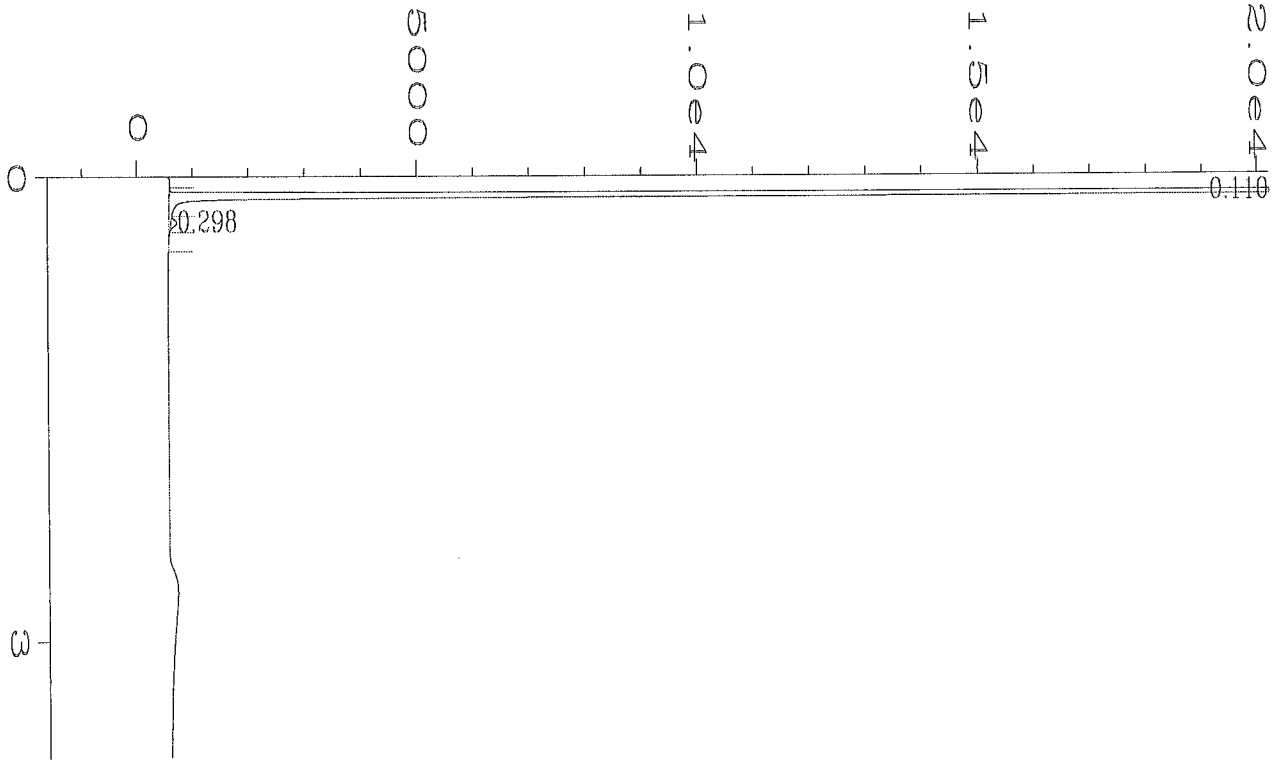
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614420MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-206
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:33 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:21 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614420MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.948	28762	11294	BV	0.035	14.5359
2	2.099	169106	23410	VB	0.091	85.4641

Total area = 197867

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614420PA.D
Operator : DA
Instrument : GCL
Sample Name : T-206
Run Time Bar Code:
Acquired on : 01 Sep 26 03:33 PM
Report Created on: 03 Sep 26 01:21 PM

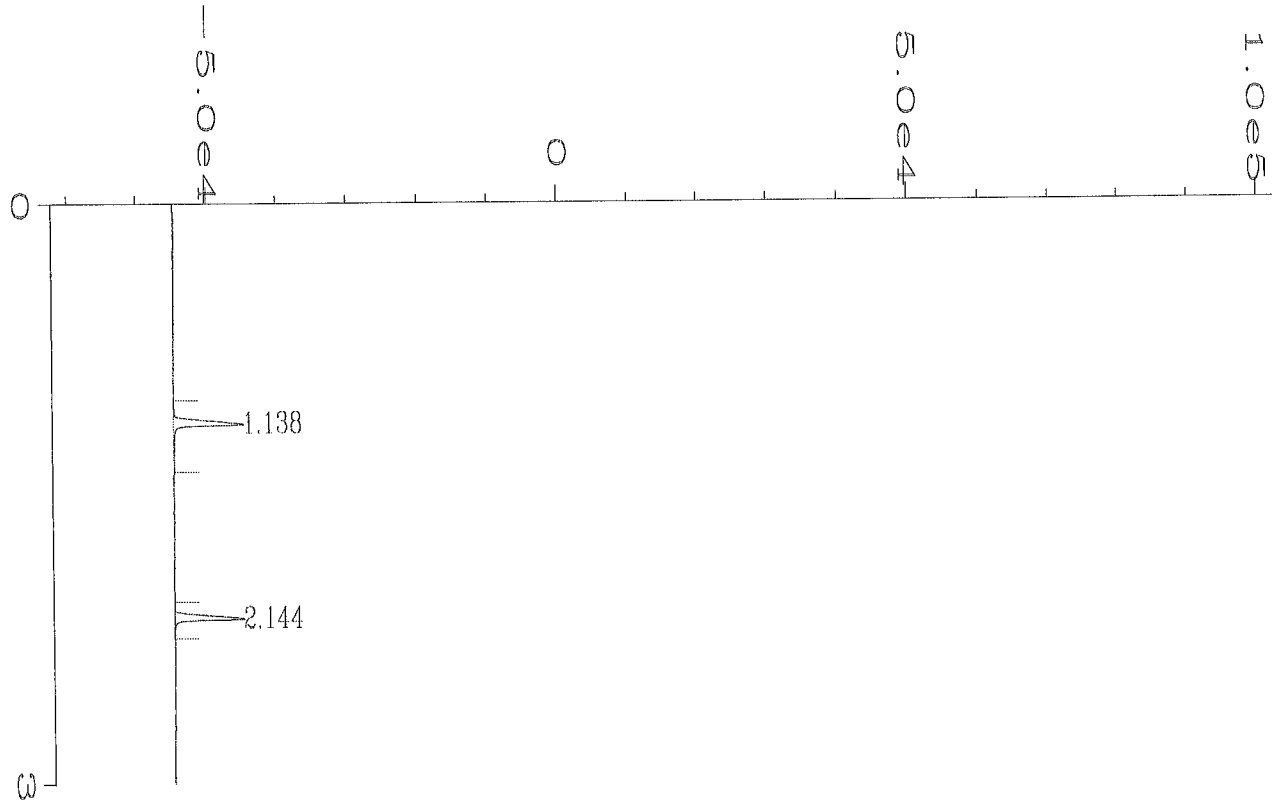
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614420PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	259824	252983	BB S	0.040	99.8780
2	0.298	317	113	BV T	0.044	0.1220

Total area = 260142

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614420A.D
Operator : DA
Instrument : GCL
Sample Name : T-206
Run Time Bar Code:
Acquired on : 08 Sep 26 03:13 PM
Report Created on: 09 Aug 26 12:41 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614420A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.138	17028	9927	VV	0.026	52.0842
2	2.144	15665	9931	VV	0.025	47.9158

Total area = 32693

Sample Data Packages

SDG Number 226144

Lab Id Number 21

Client ID T-207

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 21

File Name: 2614421A
Description: T-207
Can/Tube#: 694
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:53
Date Analyzed: 09/01/26 **Time:** 15:39
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.531	0.568	ND	5,310	5,682	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.96	699	748	179,606	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.24	140	150	2,375	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614421A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	21		SF:	2	
Description:	T-207		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 10:53	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 15:39	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	694				
Can Factor	1.40				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28945
7727-37-9	Nitrogen	03	2.05	2.02	165573
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		826

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

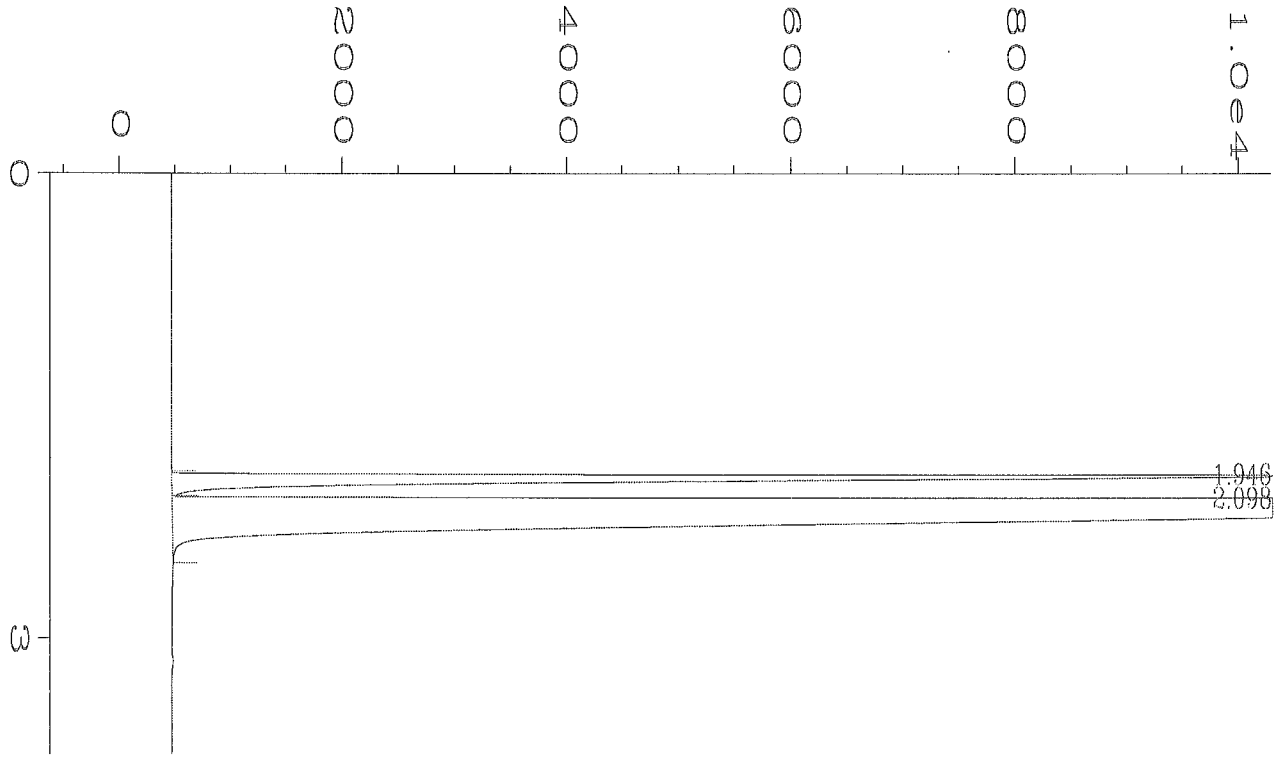
Laboratory Number: 21

File Name:	2614421A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.40				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.40		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.531	0.568	0.531	0.568	5,310	5,682	U
Oxygen	32.00	17.96	17.96	17.96	179,606	17.96	17.96	500	0.070	0.075	0.070	0.075	699	748	
Nitrogen	28.01	81.80	81.80	81.80	818,019	81.80	81.80	1000	0.140	0.150	0.140	0.150	1,397	1,495	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Dioxide	44.01	0.24	0.24	0.24	2,375	0.24	0.24	100	0.014	0.015	0.014	0.015	140	150	
Sum - N2		18.20	100.00												
Sum		100.0													
Total Nitrogen		94.80													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

==========

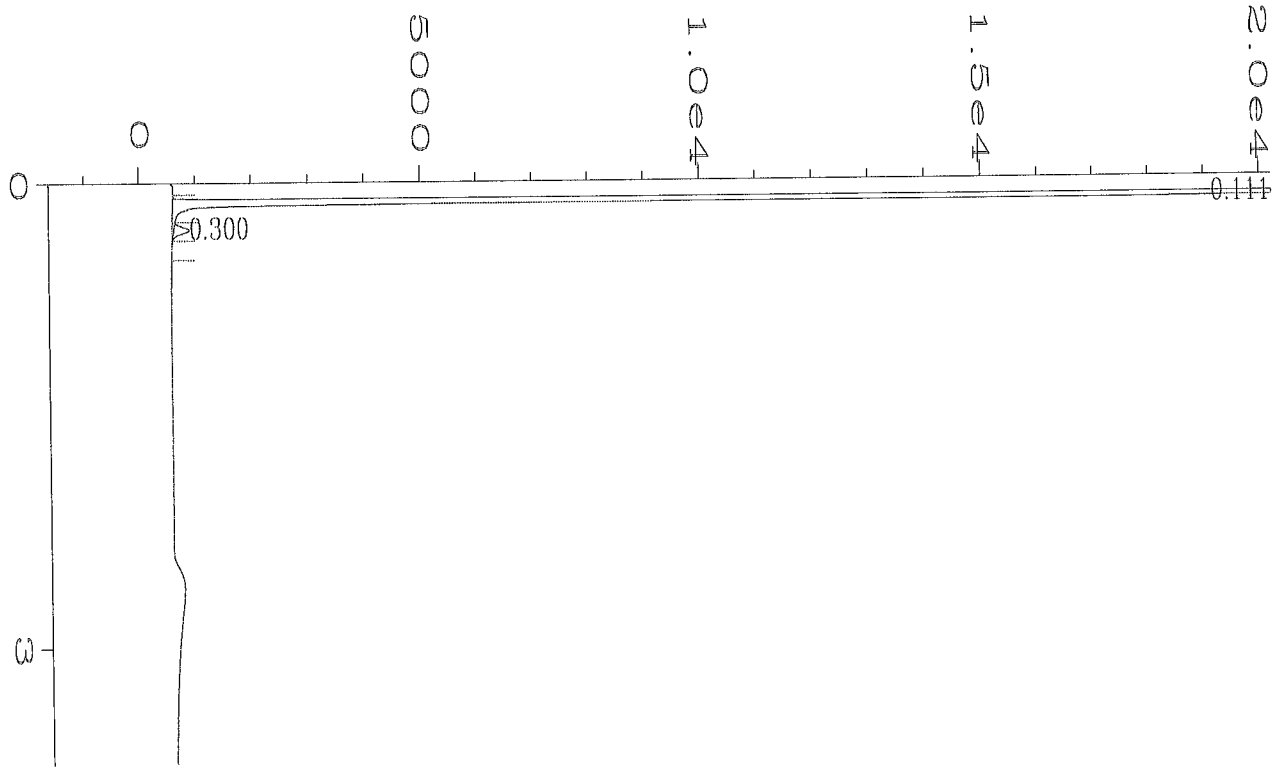
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614421MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-207
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:39 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:22 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614421MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.946	28945	10979	BV	0.036	14.8804
2	2.098	165573	23391	VB	0.094	85.1196

Total area = 194518

==========



Area Percent Report

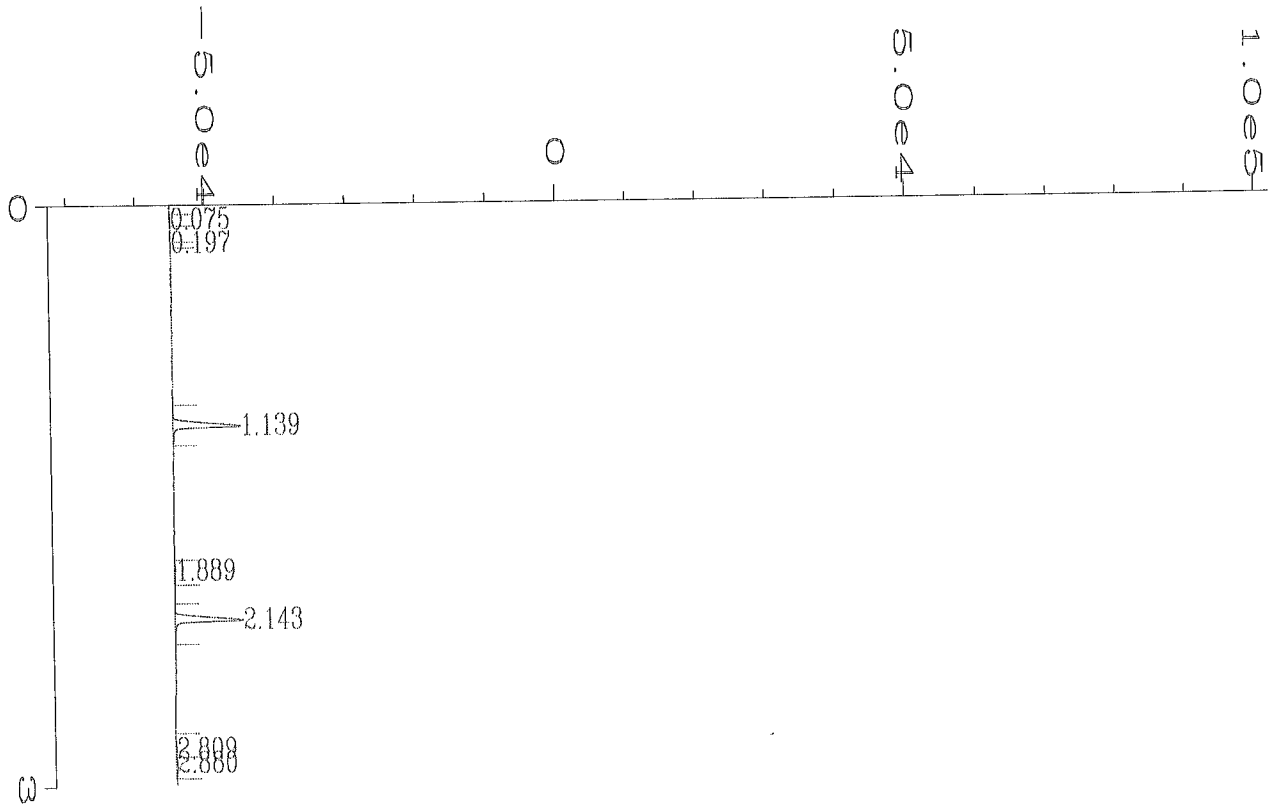
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Operator : DA
Instrument : GCL
Sample Name : T-207
Run Time Bar Code:
Acquired on : 01 Sep 26 03:39 PM
Report Created on: 03 Sep 26 01:23 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614421PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	257344	256896	BB S	0.016	99.6801
2	0.300	826	280	BV T	0.046	0.3199

Total area = 258170



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614421A.D
Operator : DA
Instrument : GCL
Sample Name : T-207
Run Time Bar Code:
Acquired on : 08 Sep 26 03:17 PM
Report Created on: 09 Aug 26 12:42 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614421A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.075	253	120	BV	0.035	0.7561
2	0.197	78	105	PV	0.018	0.2333
3	1.139	15497	9746	PV	0.034	46.2798
4	1.889	763	176	VV	0.056	2.2778
5	2.143	15586	9860	PV	0.036	46.5451
6	2.809	527	130	PV	0.056	1.5745
7	2.880	781	166	VV	0.062	2.3334

Total area = 33485

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 22

Client ID T-208

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 22

File Name: 2614422A
Description: T-208
Can/Tube#: 526
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 10:45
Date Analyzed: 09/01/26 **Time:** 15:47
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,261	5,629	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.04	692	741	180,394	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.58	138	148	5,830	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614422A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	22		SF:	2	
Description:	T-208		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 10:45	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 15:47	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	526				
Can Factor	1.38				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**29346**
7727-37-9	Nitrogen	03	2.05	2.02	**166070**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**2047**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

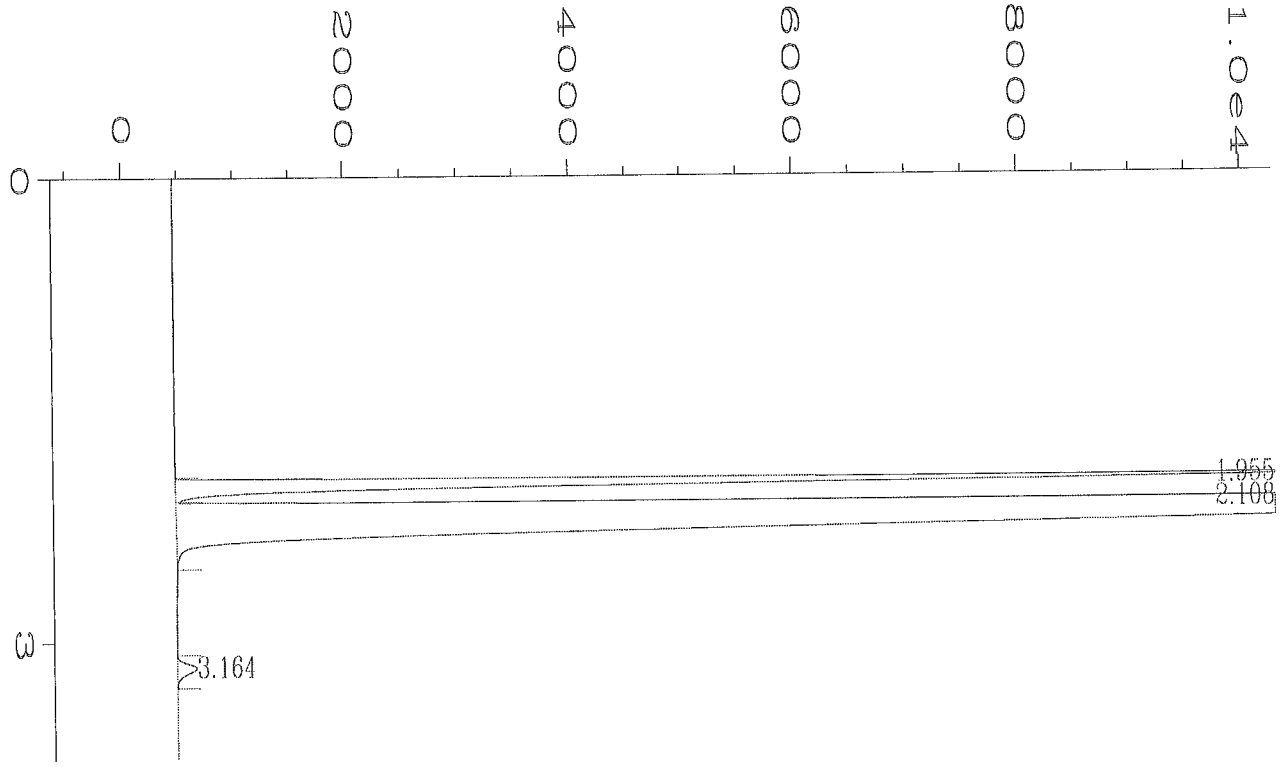
Laboratory Number: 22

File Name:	2614422A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.38				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.38		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.526	0.563	0.526	0.563	5,261	5,629	U
Oxygen	32.00	18.04	18.04	18.04	180,394	18.04	18.04	500	0.069	0.074	0.069	0.074	692	741	
Nitrogen	28.01	81.38	81.38	81.38	813,776	81.38	81.38	1000	0.138	0.148	0.138	0.148	1,384	1,481	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Dioxide	44.01	0.58	0.58	0.58	5,830	0.58	0.58	100	0.014	0.015	0.014	0.015	138	148	
Sum - N2		18.62	100.00												
Sum		100.0													
Total Nitrogen		94.20													

3441 of 5882

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

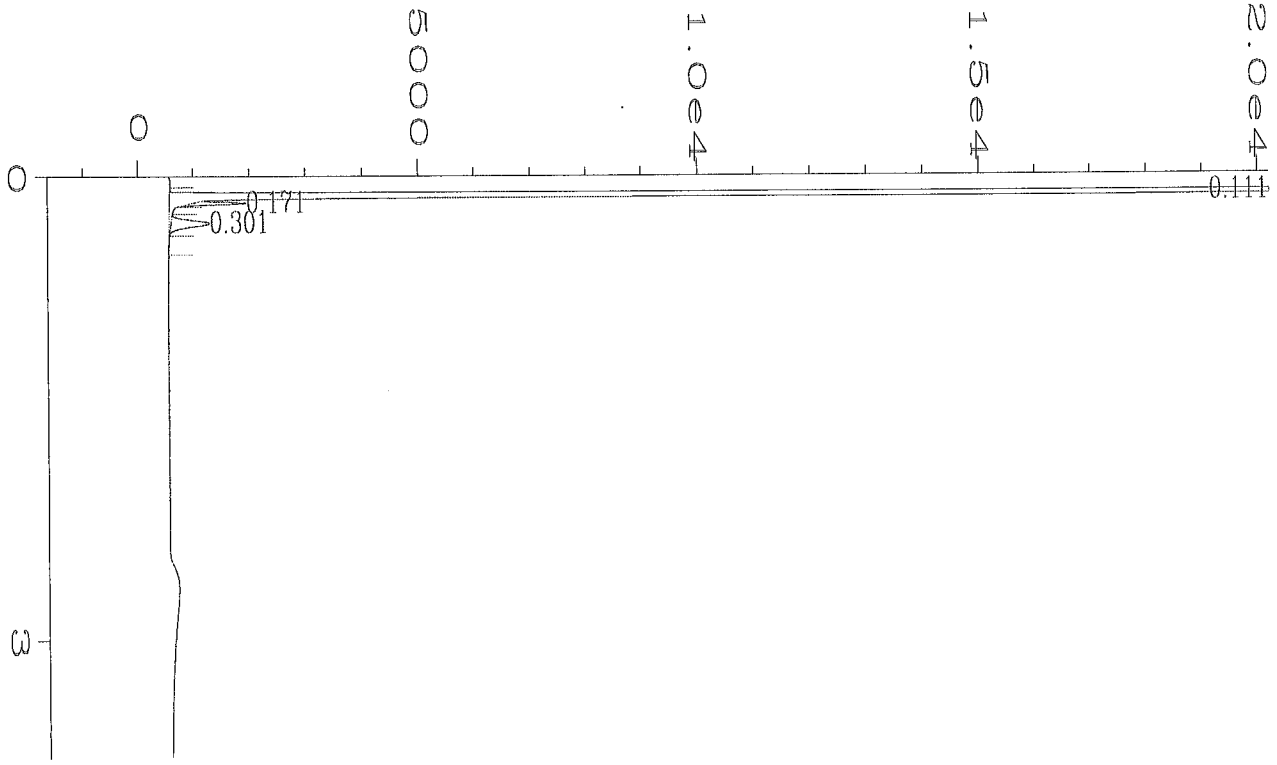
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614422MA.D
Operator : DA
Instrument : GCL
Sample Name : T-208
Run Time Bar Code:
Acquired on : 01 Sep 26 03:47 PM
Report Created on: 03 Sep 26 01:23 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614422MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.955	29346	11382	BV	0.035	14.9561
2	2.108	166070	23408	VB	0.093	84.6362
3	3.164	800	175	BB	0.068	0.4077

Total area = 196217



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614422PA.D
Operator : DA
Instrument : GCL
Sample Name : T-208
Run Time Bar Code:
Acquired on : 01 Sep 26 03:47 PM
Report Created on: 03 Sep 26 01:23 PM

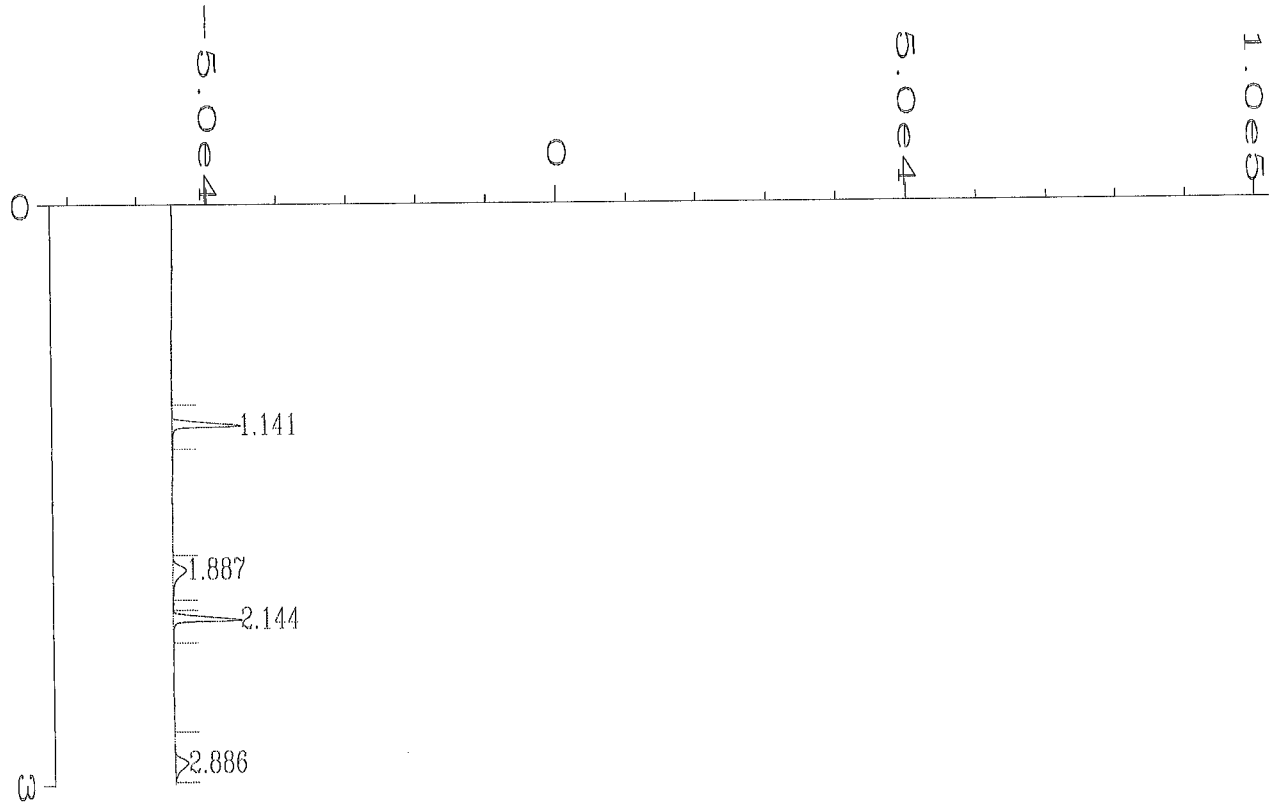
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614422PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	254831	257167	BB S	0.016	98.8118
2	0.171	1017	1033	BB T	0.016	0.3944
3	0.301	2047	686	BV T	0.047	0.7939

Total area = 257895

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614422A.D
Operator : DA
Instrument : GCL
Sample Name : T-208
Run Time Bar Code:
Acquired on : 08 Sep 26 03:20 PM
Report Created on: 09 Aug 26 12:42 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614422A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.141	15823	9709	PV	0.025	34.3114
2	1.887	7728	1839	VV	0.061	16.7570
3	2.144	15618	9785	PV	0.025	33.8665
4	2.886	6947	1818	BBA	0.057	15.0651

Total area = 46116

Sample Data Packages

SDG Number **226144**

Lab Id Number **23**

Client ID T-209

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 23

File Name: 2614423A
Description: T-209
Can/Tube#: 856
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:02
Date Analyzed: 09/01/26 **Time:** 15:55
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.500	0.535	ND	4,999	5,349	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.07	658	704	180,750	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	132	141	733	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614423A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	23		SF:	2	
Description:	T-209		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 12:02	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 15:55	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	856				
Can Factor	1.32				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	30942
7727-37-9	Nitrogen	03	2.05	2.02	163980
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		271

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

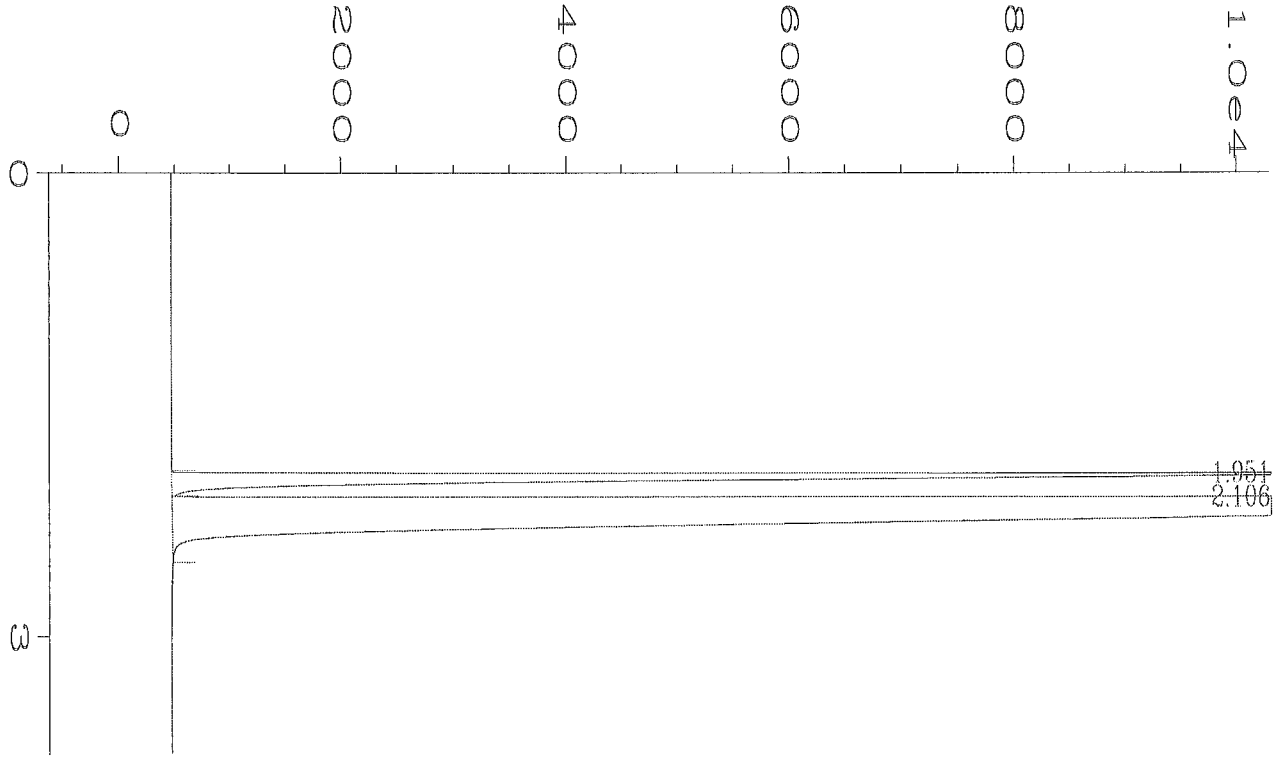
Laboratory Number: 23

File Name:	2614423A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.32				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.32		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.500	0.535	0.500	0.535	4,999	5,349	U
Oxygen	32.00	18.07	18.07	18.07	180,750	18.07	18.07	500	0.066	0.070	0.066	0.071	658	704	
Nitrogen	28.01	81.85	81.85	81.85	818,517	81.85	81.85	1000	0.132	0.141	0.132	0.141	1,316	1,408	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	141	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	141	U
Carbon Dioxide	44.01	0.07	0.07	0.07	733	0.07	0.07	100	0.013	0.014	0.013	0.014	132	141	
Sum - N2		18.15	100.00												
Sum		100.0													
Total Nitrogen		88.39													

3823188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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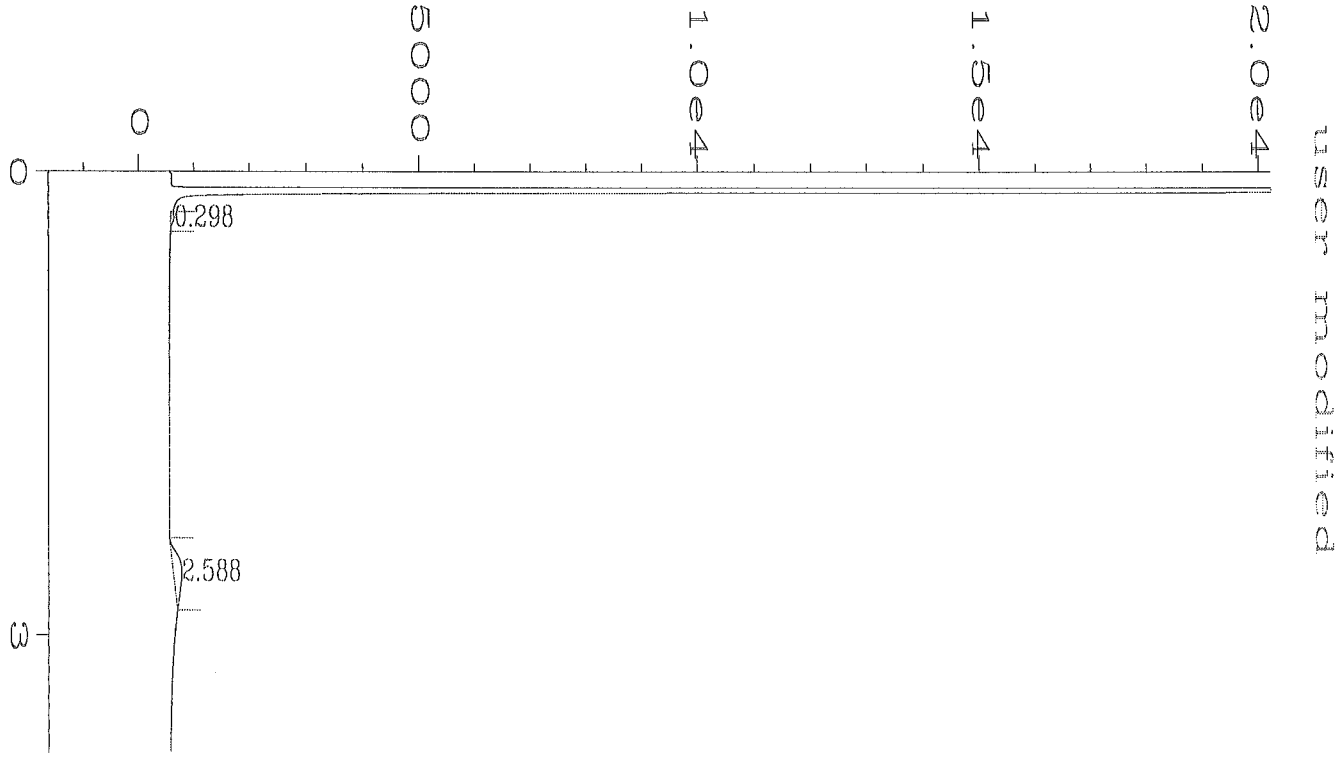
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Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-209
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:55 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:23 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614423MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.951	30942	11647	BV	0.036	15.8739
2	2.106	163980	23004	VB	0.097	84.1261

Total area = 194922

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614423PA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-209
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 03:55 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:24 PM
Analysis Method : DEFAULT.MTH

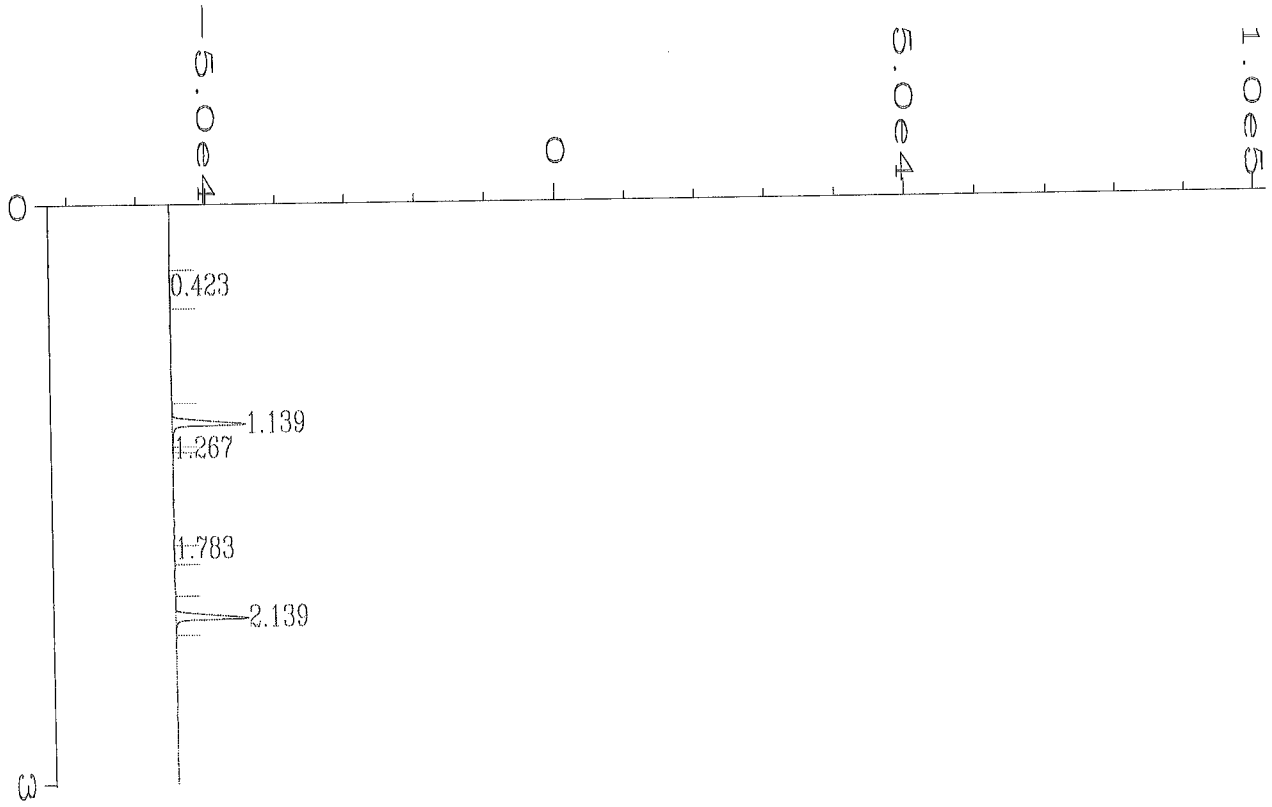
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614423PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.298	271	69	MM	0.066	10.1763
2	2.588	2389	150	BB	0.251	89.8237

Total area = 2660

User Modified

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614423A.D
Operator : DA
Instrument : GCL
Sample Name : T-209
Run Time Bar Code:
Acquired on : 08 Sep 26 03:24 PM
Report Created on: 09 Aug 26 12:42 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614423A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.423	588	104	PB	0.083	1.6418
2	1.139	17962	10729	VV	0.026	50.1694
3	1.267	143	140	VV	0.017	0.4007
4	1.783	218	163	PV	0.033	0.6096
5	2.139	16891	10625	VV	0.025	47.1785

Total area = 35803

Sample Data Packages

SDG Number **226144**

Lab Id Number **24**

Client ID T-210

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 24

File Name: 2614424A
Description: T-210
Can/Tube#: 679
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:14
Date Analyzed: 09/01/26 **Time:** 16:02
Can Dilution Factor: 1.39

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.530	0.567	ND	5,300	5,671	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.96	697	746	179,626	
630-08-0	Carbon Monoxide	0.014	0.015	ND	139	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.12	139	149	1,154	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614424A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	24		SF:	2	
Description:	T-210		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 12:14	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:02	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	679				
Can Factor	1.39				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**29002**
7727-37-9	Nitrogen	03	2.05	2.02	**165621**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**402**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

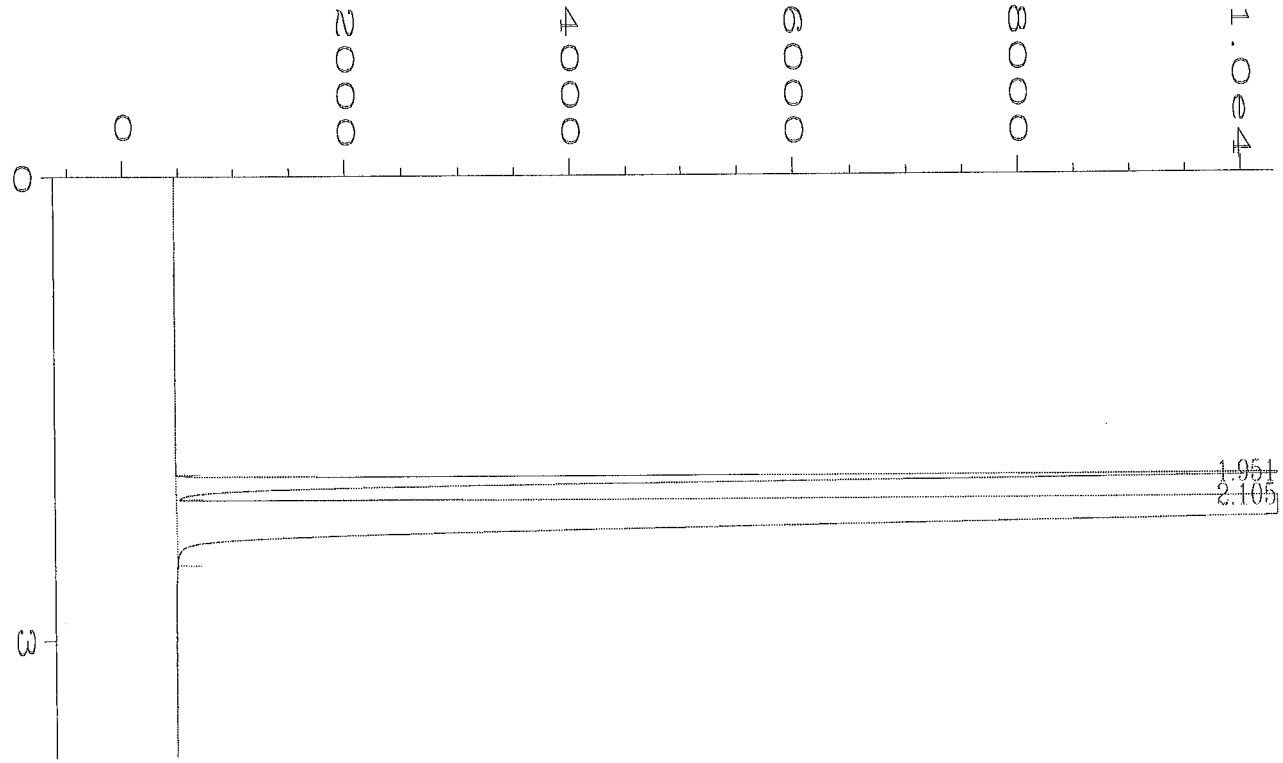
Laboratory Number: 24

File Name:	2614424A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.39				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.39		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.530	0.567	0.530	0.567	5,300	5,671	U
Oxygen	32.00	17.96	17.96	17.96	179,626	17.96	17.96	500	0.070	0.075	0.070	0.075	697	746	
Nitrogen	28.01	81.92	81.92	81.92	819,221	81.92	81.92	1000	0.139	0.149	0.139	0.149	1,395	1,492	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	139	149	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	139	149	U
Carbon Dioxide	44.01	0.12	0.12	0.12	1,154	0.12	0.12	100	0.014	0.015	0.014	0.015	139	149	
Sum - N2		18.08	100.00												
Sum		100.0													
Total Nitrogen		94.65													

3301-1880

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614424MA.D
Operator : DA
Instrument : GCL
Sample Name : T-210
Run Time Bar Code:
Acquired on : 01 Sep 26 04:02 PM
Report Created on: 03 Sep 26 01:24 PM

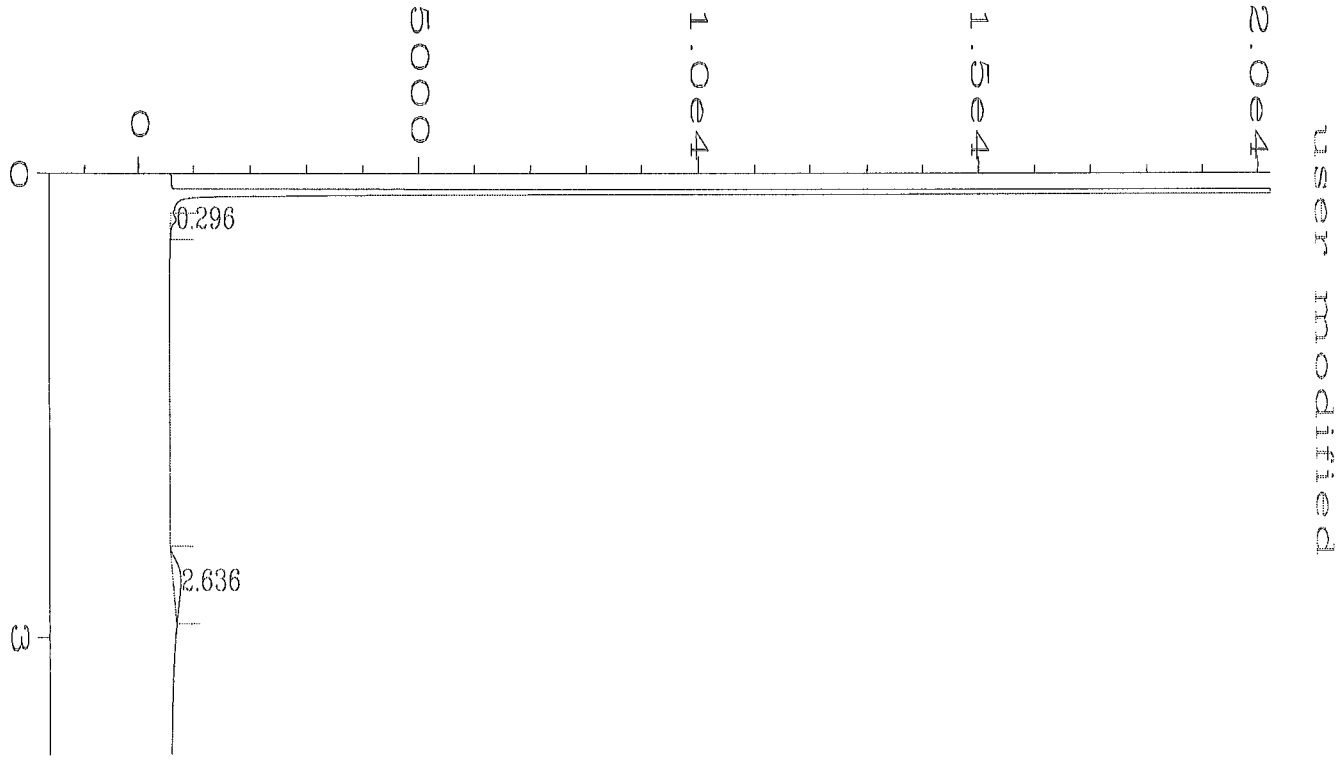
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614424MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.951	29002	11284	BV	0.035	14.9015
2	2.105	165621	23263	VB	0.094	85.0985

Total area = 194623

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614424PA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-210
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 04:02 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:24 PM
Analysis Method : DEFAULT.MTH

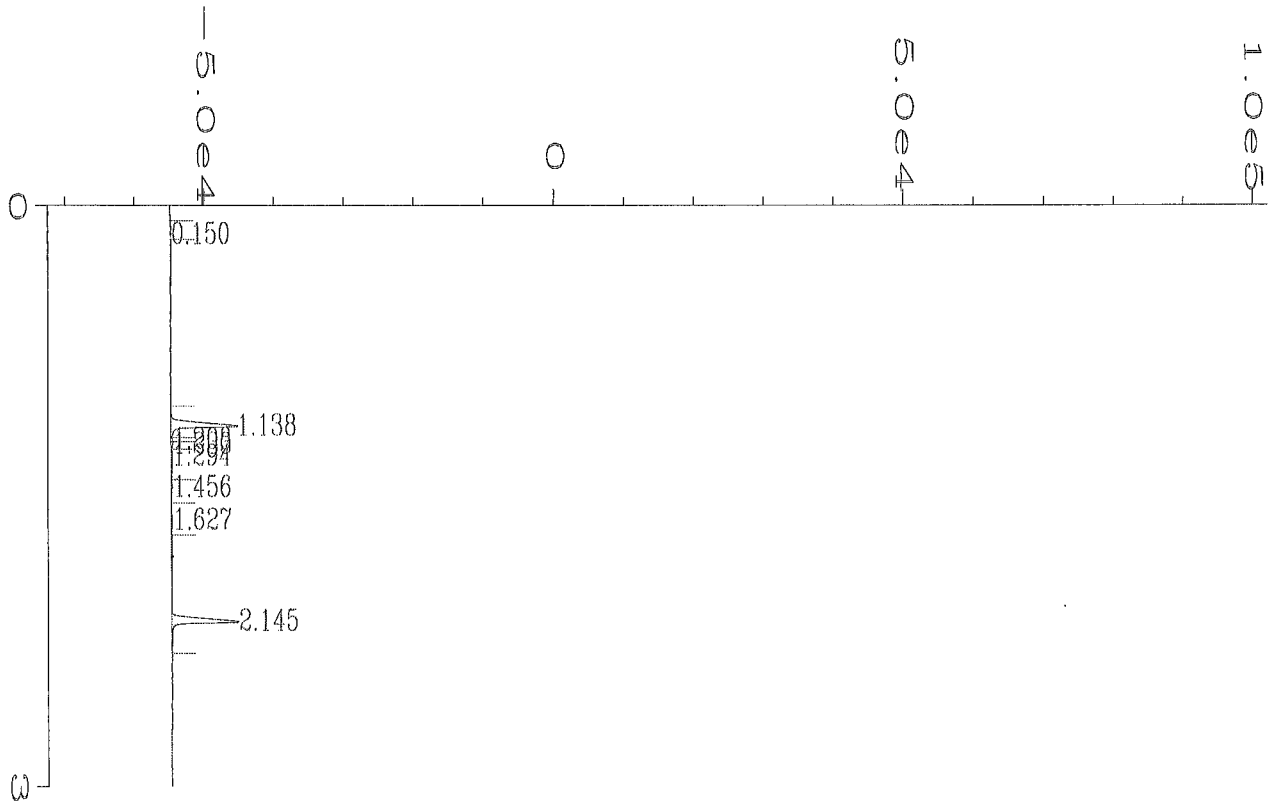
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614424PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.296	402	101	MM	0.066	14.5119
2	2.636	2367	146	BB	0.269	85.4881

Total area = 2769

User Modified

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614424A.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-210
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 03:27 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:43 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614424A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.150	149	49	VV	0.042	0.3937
2	1.138	16552	9792	PV	0.026	43.6513
3	1.208	276	242	VV	0.019	0.7282
4	1.233	450	310	VV	0.027	1.1879
5	1.294	1415	220	VV	0.108	3.7315
6	1.456	755	240	VV	0.049	1.9915
7	1.627	895	225	PV	0.071	2.3595
8	2.145	17426	9382	VB	0.028	45.9564

Total area = 37919

Sample Data Packages

SDG Number **226144**

Lab Id Number **25**

Client ID T-211

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 25

File Name: 2614425A
Description: T-211
Can/Tube#: 762
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:10
Date Analyzed: 09/01/26 **Time:** 16:09
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.549	0.587	ND	5,492	5,876	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.32	723	773	183,153	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.09	145	155	886	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614425A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	25		SF:	2	
Description:	T-211		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 12:10	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:09	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	762				
Can Factor	1.45				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28541
7727-37-9	Nitrogen	03	2.05	2.02	169455
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		298

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

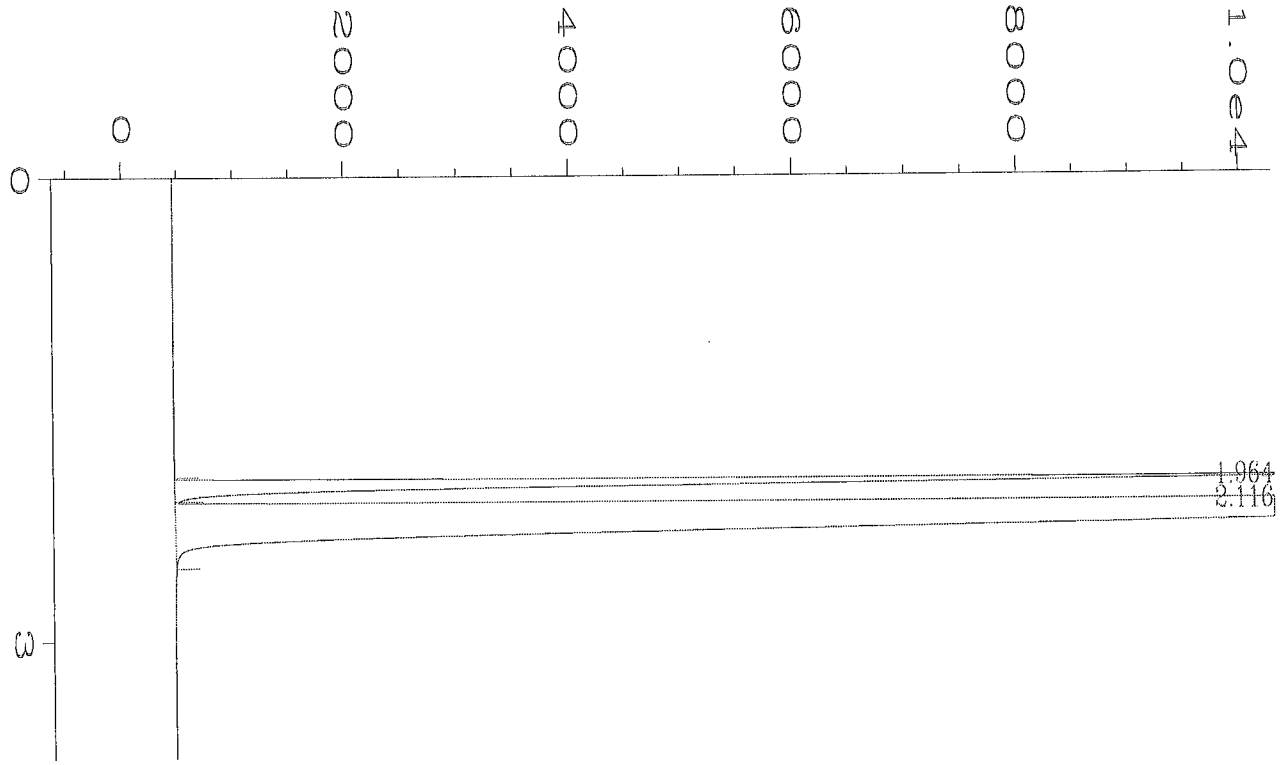
Laboratory Number: 25

File Name:	2614425A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.45				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.45		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.549	0.588	0.549	0.587	5,492	5,876	U
Oxygen	32.00	18.32	18.32	18.32	183,153	18.32	18.32	500	0.072	0.077	0.072	0.077	723	773	
Nitrogen	28.01	81.60	81.60	81.60	815,961	81.60	81.60	1000	0.145	0.155	0.145	0.155	1,445	1,546	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	145	155	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	145	155	U
Carbon Dioxide	44.01	0.09	0.09	0.09	886	0.09	0.09	100	0.014	0.015	0.014	0.015	145	155	
Sum - N2		18.40	100.00												
Sum		100.0													
Total Nitrogen		100.34													

338-5188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614425MA.D
Operator : DA
Instrument : GCL
Sample Name : T-211
Run Time Bar Code:
Acquired on : 01 Sep 26 04:09 PM
Report Created on: 03 Sep 26 01:24 PM

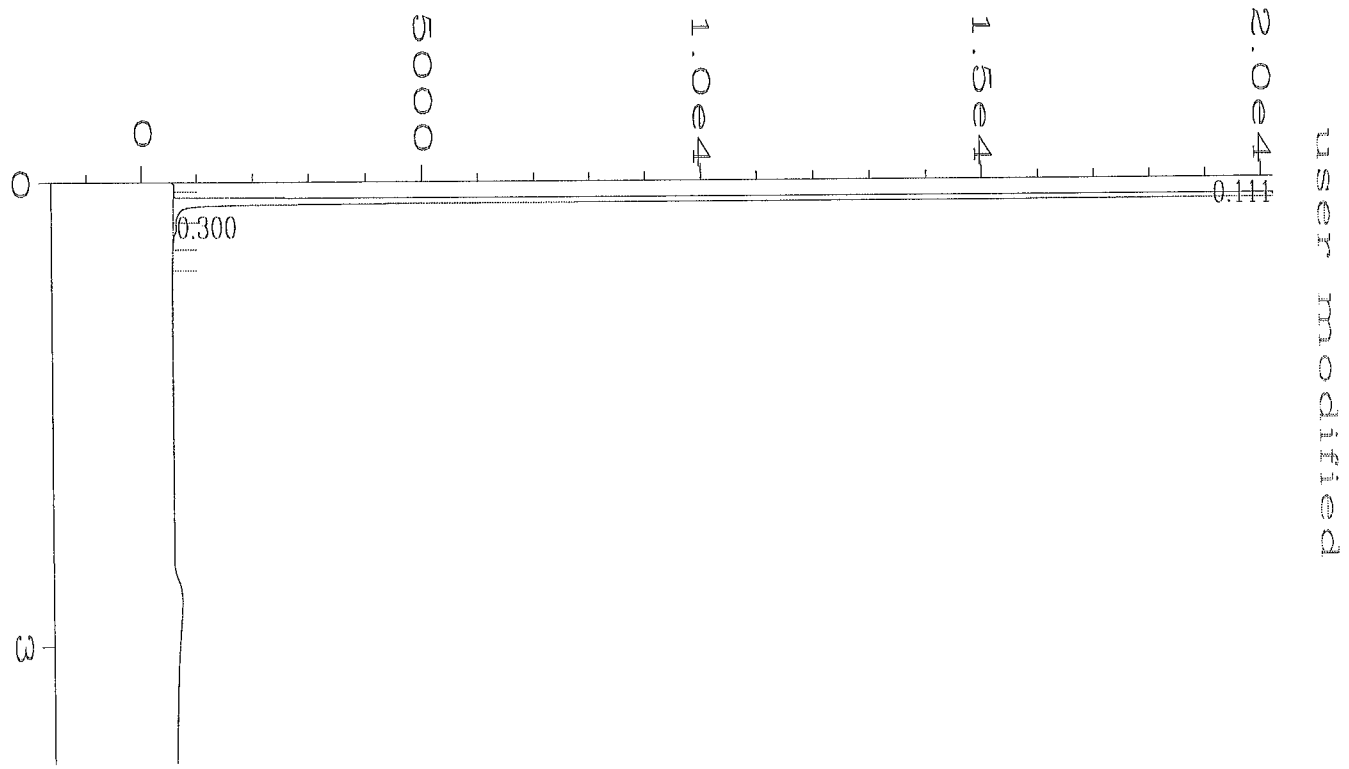
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614425MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.964	28541	10978	BV	0.035	14.4151
2	2.116	169455	23199	VB	0.097	85.5849

Total area = 197996

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614425PA.D
Operator : DA
Instrument : GCL
Sample Name : T-211
Run Time Bar Code:
Acquired on : 01 Sep 26 04:09 PM
Report Created on: 03 Sep 26 01:25 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

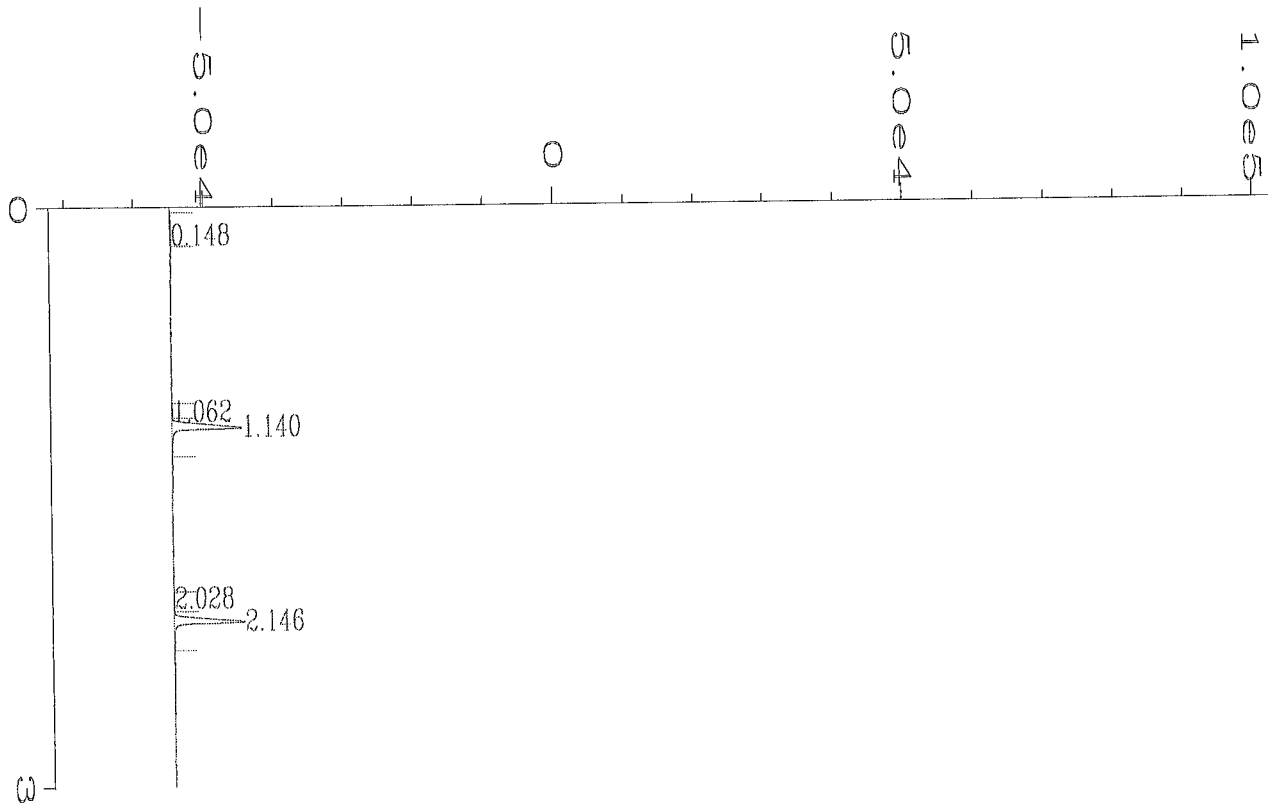
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614425PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	252707	256387	BB S	0.015	99.8822
2	0.300	298	64	MM	0.077	0.1178

Total area = 253005

User Modified

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614425A.D
Operator : DA
Instrument : GCL
Sample Name : T-211
Run Time Bar Code:
Acquired on : 08 Sep 26 03:31 PM
Report Created on: 09 Aug 26 12:43 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614425A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.148	390	76	BV	0.085	1.1278
2	1.062	371	118	PV	0.044	1.0710
3	1.140	16808	10107	VV	0.026	48.5540
4	2.028	466	108	VV	0.069	1.3468
5	2.146	16582	10300	VV	0.025	47.9003

Total area = 34617

Sample Data Packages

SDG Number 226144

Lab Id Number 26

Client ID T-212

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 26

File Name: 2614426A
Description: T-212
Can/Tube#: 710
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:15
Date Analyzed: 09/01/26 **Time:** 16:14
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.550	0.589	ND	5,500	5,885	ND	ND
7782-44-7	Oxygen	0.072	0.077	17.50	724	774	175,042	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.60	145	155	5,988	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614426A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	26		SF:	2	
Description:	T-212		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 12:15	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:14	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	710				
Can Factor	1.45				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**27235**
7727-37-9	Nitrogen	03	2.05	2.02	**167057**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**2011**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

Laboratory Number: 26

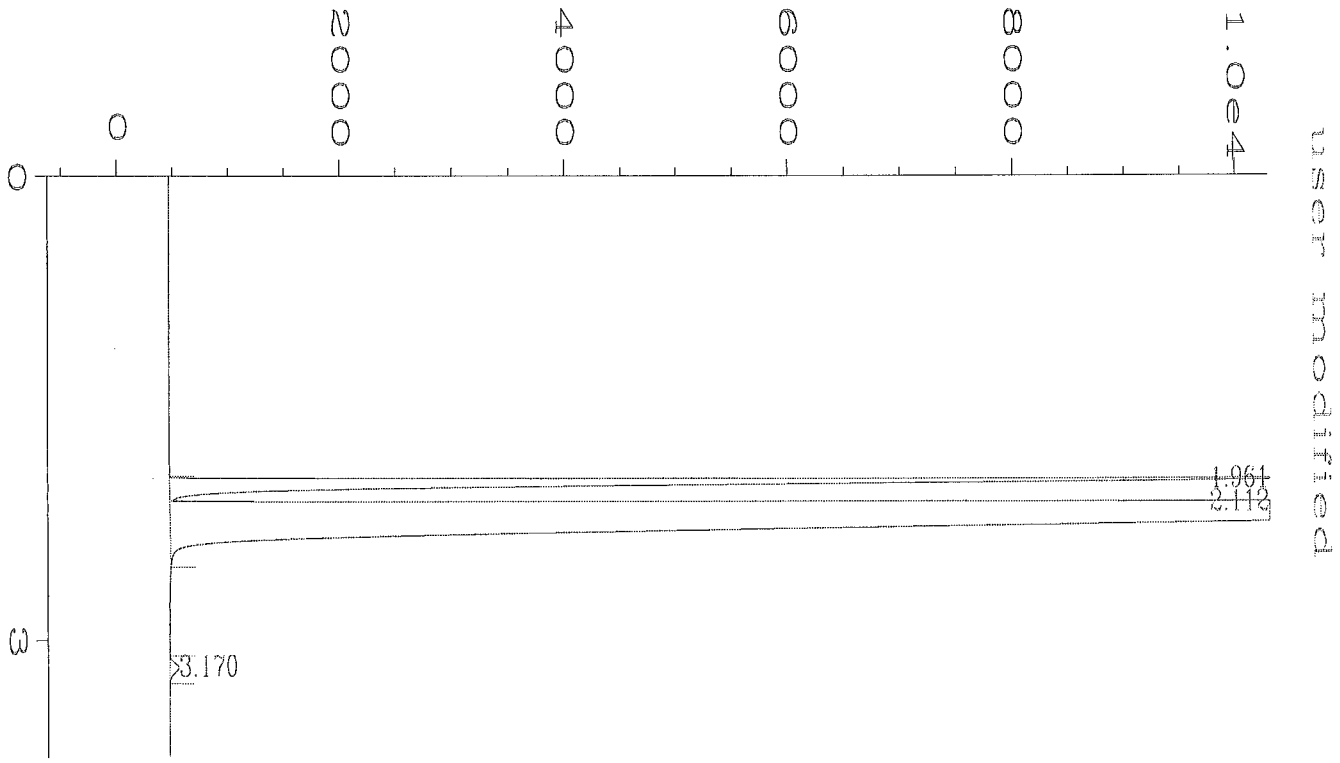
File Name:	2614426A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.45				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.45		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.550	0.589	0.550	0.589	5,500	5,885	U
Oxygen	32.00	17.50	17.50	17.50	175,042	17.50	17.50	500	0.072	0.077	0.072	0.077	724	774	
Nitrogen	28.01	81.90	81.90	81.90	818,970	81.90	81.90	1000	0.145	0.155	0.145	0.155	1,447	1,549	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	145	155	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	145	155	U
Carbon Dioxide	44.01	0.60	0.60	0.60	5,988	0.60	0.60	100	0.014	0.015	0.014	0.015	145	155	
Sum - N2		18.10	100.00												
Sum		100.0													
Total Nitrogen		99.07													

006533 of 006978

006532 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614426MA.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-212
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 04:14 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:26 PM
Analysis Method : DEFAULT.MTH

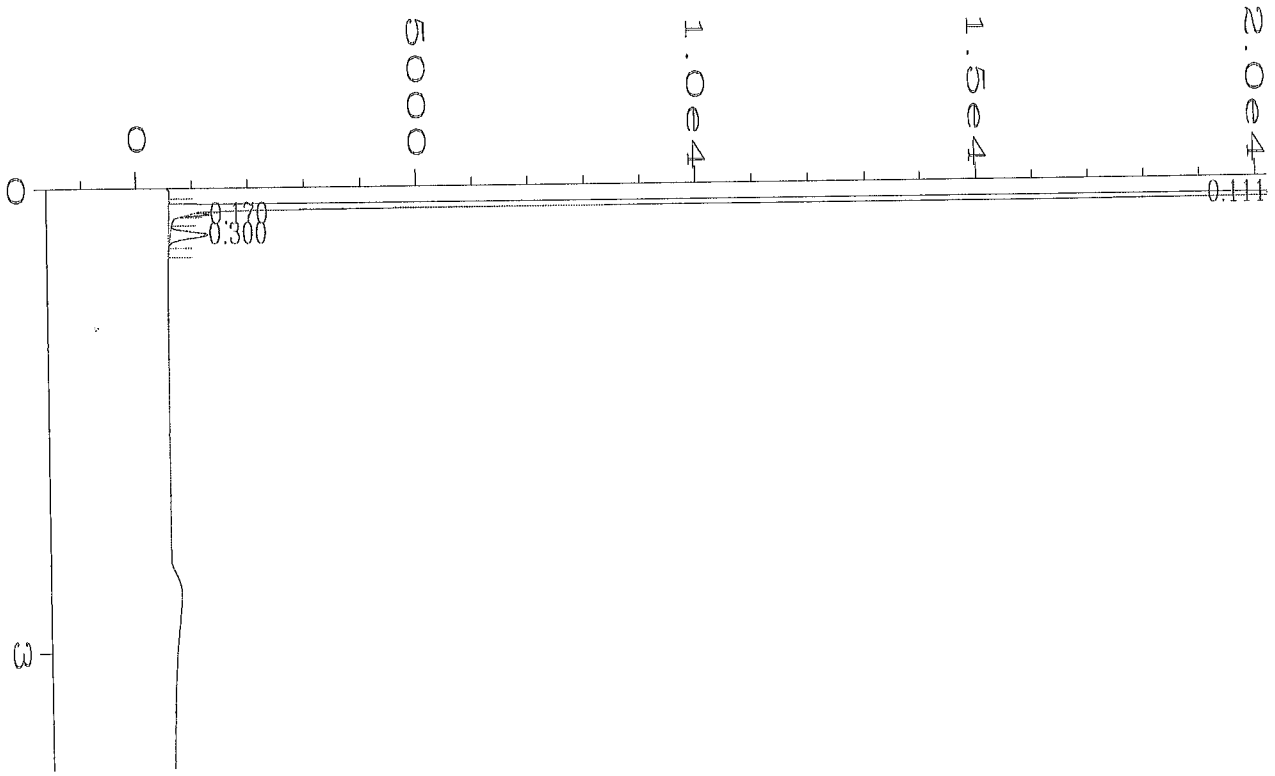
Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614426MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.961	27235	10841	BV	0.034	13.9915
2	2.112	167057	23194	VB	0.093	85.8216
3	3.170	364	79	MM	0.077	0.1869

Total area = 194656

User Modified

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614426PA.D
Operator : DA
Instrument : GCL
Sample Name : T-212
Run Time Bar Code:
Acquired on : 01 Sep 26 04:14 PM
Report Created on: 03 Sep 26 01:26 PM

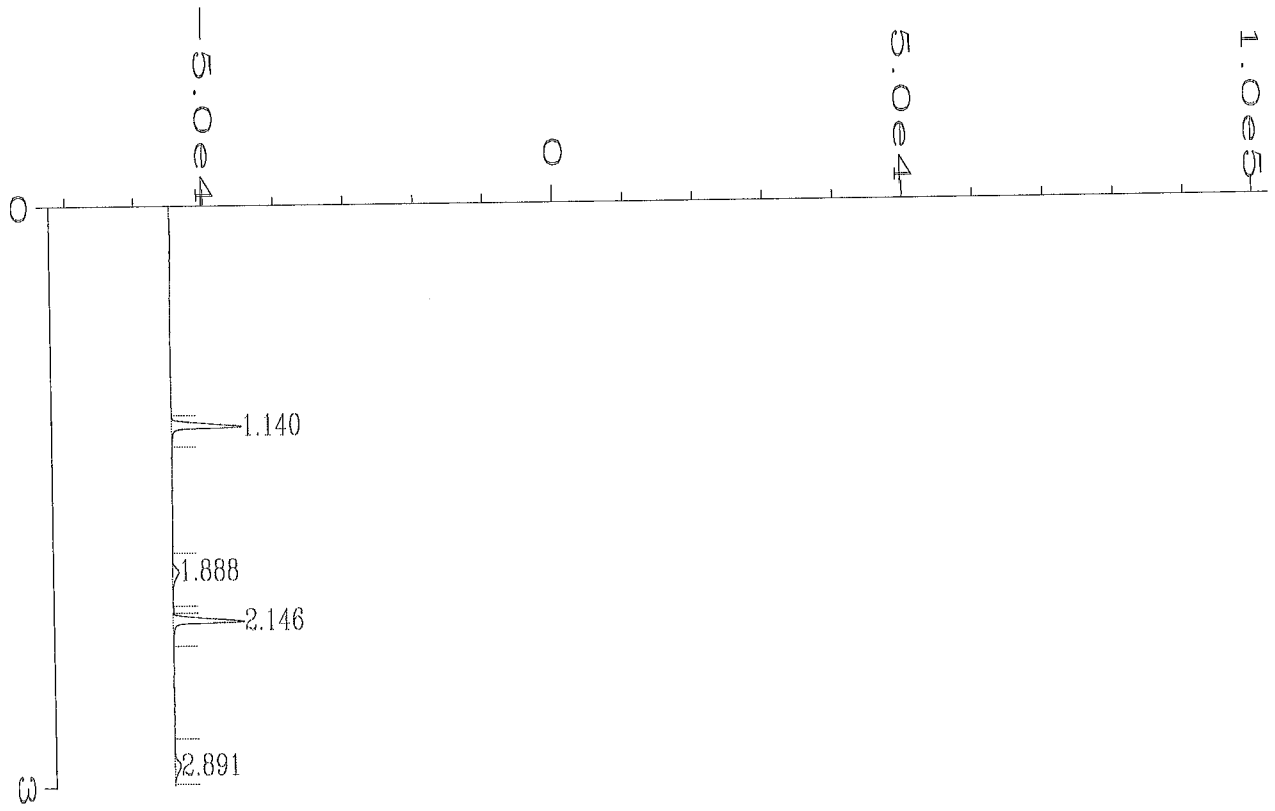
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614426PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	257231	256801	BB S	0.016	99.0740
2	0.170	394	402	BB T	0.014	0.1516
3	0.300	2011	673	BB T	0.047	0.7744

Total area = 259636

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614426A.D
Operator : DA
Instrument : GCL
Sample Name : T-212
Run Time Bar Code:
Acquired on : 08 Sep 26 03:35 PM
Report Created on: 09 Aug 26 12:43 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614426A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.140	16184	10034	VV	0.025	40.2791
2	1.888	3857	890	PV	0.062	9.5994
3	2.146	16522	10348	VV	0.025	41.1212
4	2.891	3616	835	PBA	0.061	9.0003

Total area = 40179

Sample Data Packages

SDG Number 226144

Lab Id Number 27

Client ID T-213

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 27

File Name: 2614427A
Description: T-213
Can/Tube#: 655
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:19
Date Analyzed: 09/01/26 **Time:** 16:20
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.497	0.532	ND	4,967	5,315	ND	ND
7782-44-7	Oxygen	0.065	0.070	19.07	654	699	190,653	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.67	131	140	6,726	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614427A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	27		SF:	2	
Description:	T-213		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 12:19	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:20	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	655				
Can Factor	1.31				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	32845
7727-37-9	Nitrogen	03	2.05	2.02	159585
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		2501

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

Laboratory Number: 27

File Name:	2614427A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.31				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.31		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.497	0.532	0.497	0.532	4,967	5,315	U
Oxygen	32.00	19.07	19.07	19.07	190,653	19.07	19.07	500	0.065	0.070	0.065	0.070	654	699	
Nitrogen	28.01	80.26	80.26	80.26	802,621	80.26	80.26	1000	0.131	0.140	0.131	0.140	1,307	1,399	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	140	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	140	U
Carbon Dioxide	44.01	0.67	0.67	0.67	6,726	0.67	0.67	100	0.013	0.014	0.013	0.014	131	140	
Sum - N2		19.74	100.00												
Sum		100.0													
Total Nitrogen		85.47													

EPA SOP 3C

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614427MA.D
Operator : DA
Instrument : GCL
Sample Name : T-213
Run Time Bar Code:
Acquired on : 01 Sep 26 04:20 PM
Report Created on: 03 Sep 26 01:26 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

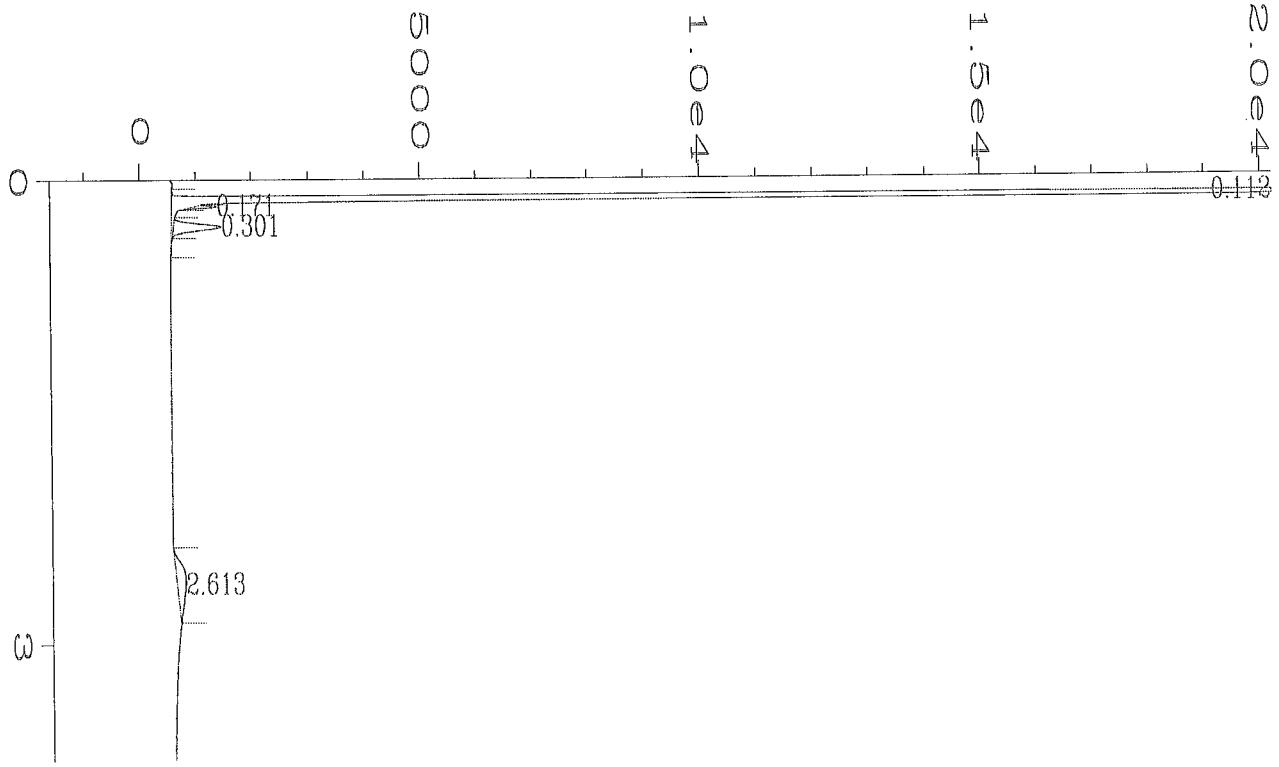
Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614427MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.957	32845	11860	BV	0.037	17.0323
2	2.116	159585	22510	VB	0.093	82.7552
3	3.173	410	91	MM	0.075	0.2125

Total area = 192840

User Modified

==========



Area Percent Report

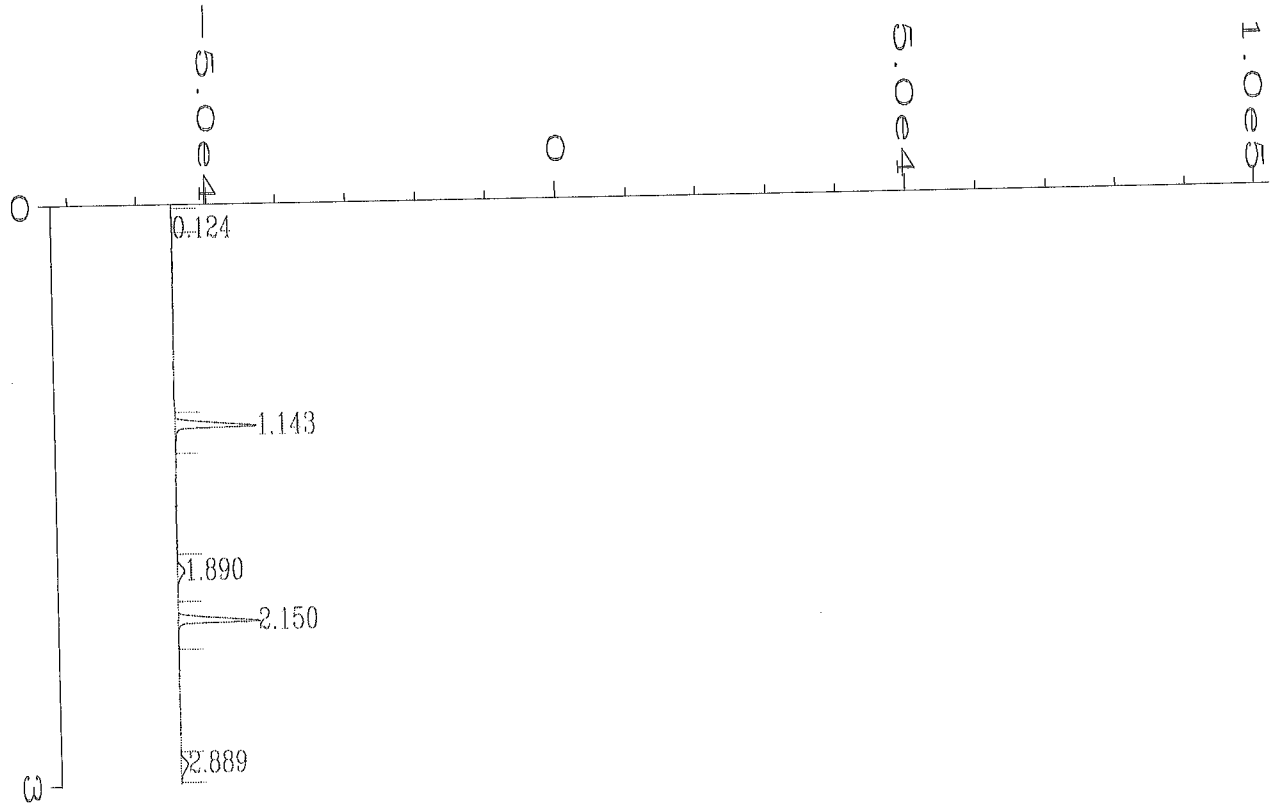
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614427PA.D
Operator : DA
Instrument : GCL
Sample Name : T-213
Run Time Bar Code:
Acquired on : 01 Sep 26 04:20 PM
Report Created on: 03 Sep 26 01:26 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614427PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.112	249903	232884	BB S	0.030	97.8266
2	0.171	409	468	BB T	0.015	0.1601
3	0.301	2501	841	BV T	0.047	0.9789
4	2.613	2643	152	BB	0.247	1.0345

Total area = 255455



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614427A.D
Operator : DA
Instrument : GCL
Sample Name : T-213
Run Time Bar Code:
Acquired on : 08 Sep 26 03:38 PM
Report Created on: 09 Aug 26 12:43 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614427A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.124	609	139	BV	0.060	1.2976
2	1.143	19395	11790	VV	0.026	41.3148
3	1.890	4185	984	PV	0.061	8.9149
4	2.150	18834	11745	VV	0.025	40.1197
5	2.889	3921	999.9	PBA	0.057	8.3530

Total area = 46944

Sample Data Packages

SDG Number **226144**

Lab Id Number **28**

Client ID T-214

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 28

File Name: 2614428A
Description: T-214
Can/Tube#: 692
QC_Batch: 090126-GCO

Date Sampled: 07/21/26 **Time:** 12:38
Date Analyzed: 09/01/26 **Time:** 16:36
Can Dilution Factor: 1.26

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.479	0.513	ND	4,794	5,130	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.09	631	675	180,887	
630-08-0	Carbon Monoxide	0.013	0.014	ND	126	135	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	126	135	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614428A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	28		SF:	2	
Description:	T-214		Not Detected Flag:	ND	
Date Sampled:	07/21/26	Time: 12:38	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:36	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	692				
Can Factor	1.26				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	32289
7727-37-9	Nitrogen	03	2.05	2.02	165916
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

Laboratory Number: 28

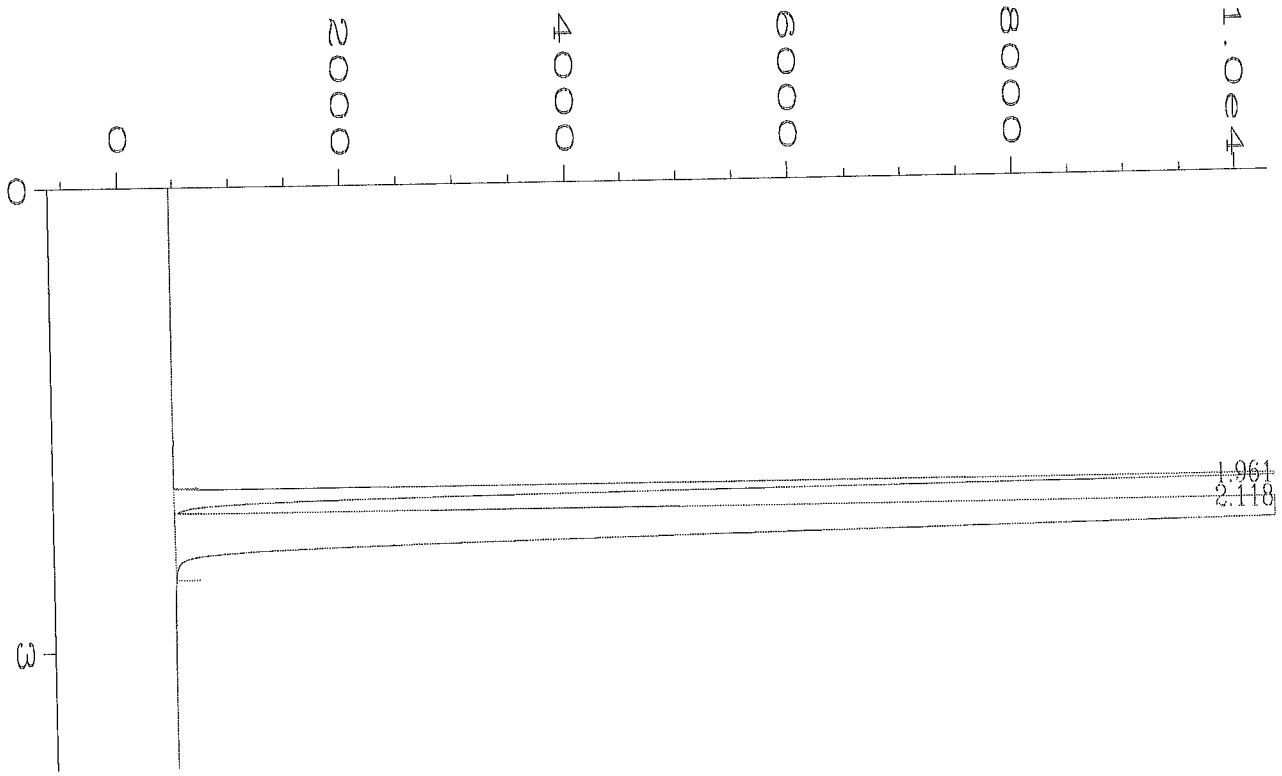
File Name:	2614428A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.26				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.26		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.479	0.513	0.479	0.513	4,794	5,130	U
Oxygen	32.00	18.09	18.09	18.09	180,887	18.09	18.09	500	0.063	0.067	0.063	0.067	631	675	
Nitrogen	28.01	81.91	81.91	81.91	819,113	81.91	81.91	1000	0.126	0.135	0.126	0.135	1,262	1,350	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	126	135	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	126	135	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	126	135	U
Sum - N2		18.09	100.00												
Sum		100.0													
Total Nitrogen		85.76													

4428 of 8800

006548 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614428MA.D
Operator : DA
Instrument : GCL
Sample Name : T-214
Run Time Bar Code:
Acquired on : 01 Sep 26 04:36 PM
Report Created on: 03 Sep 26 01:27 PM

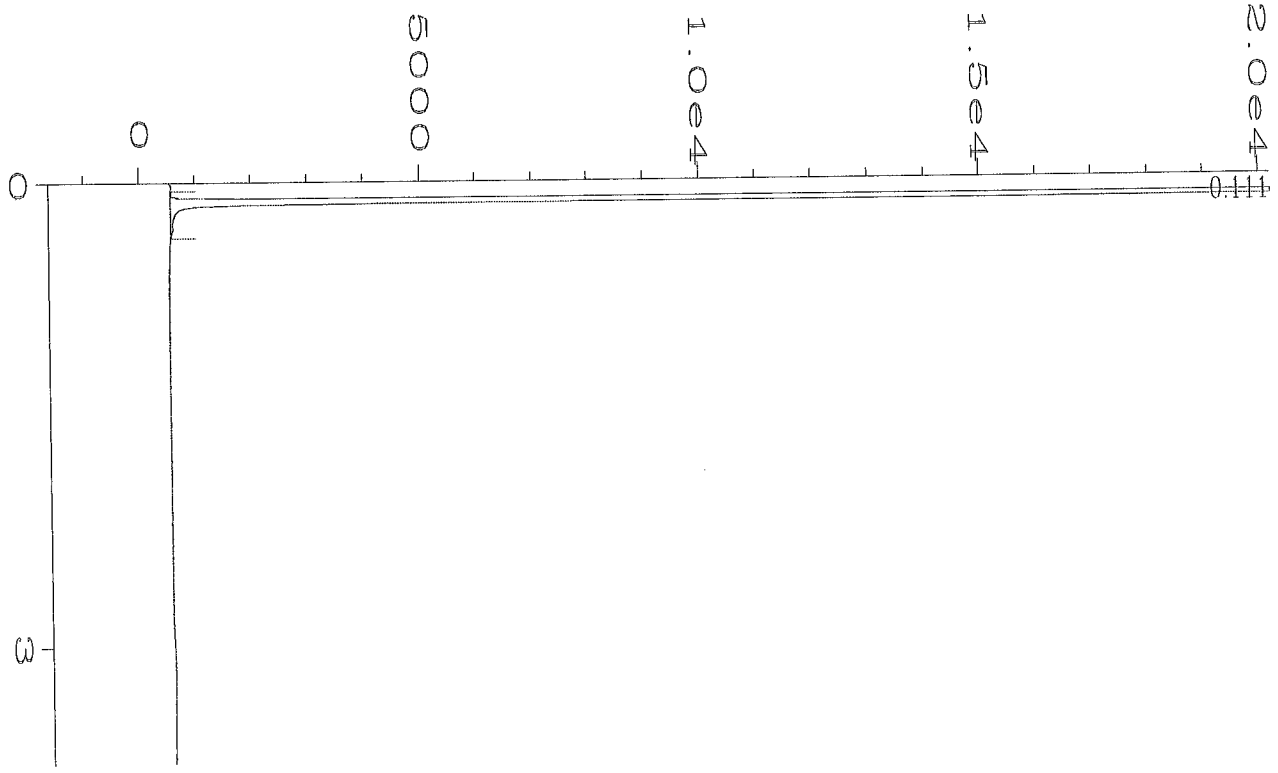
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614428MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.961	32289	12033	BV	0.036	16.2908
2	2.118	165916	23038	VB	0.094	83.7092

Total area = 198205

==========



Area Percent Report

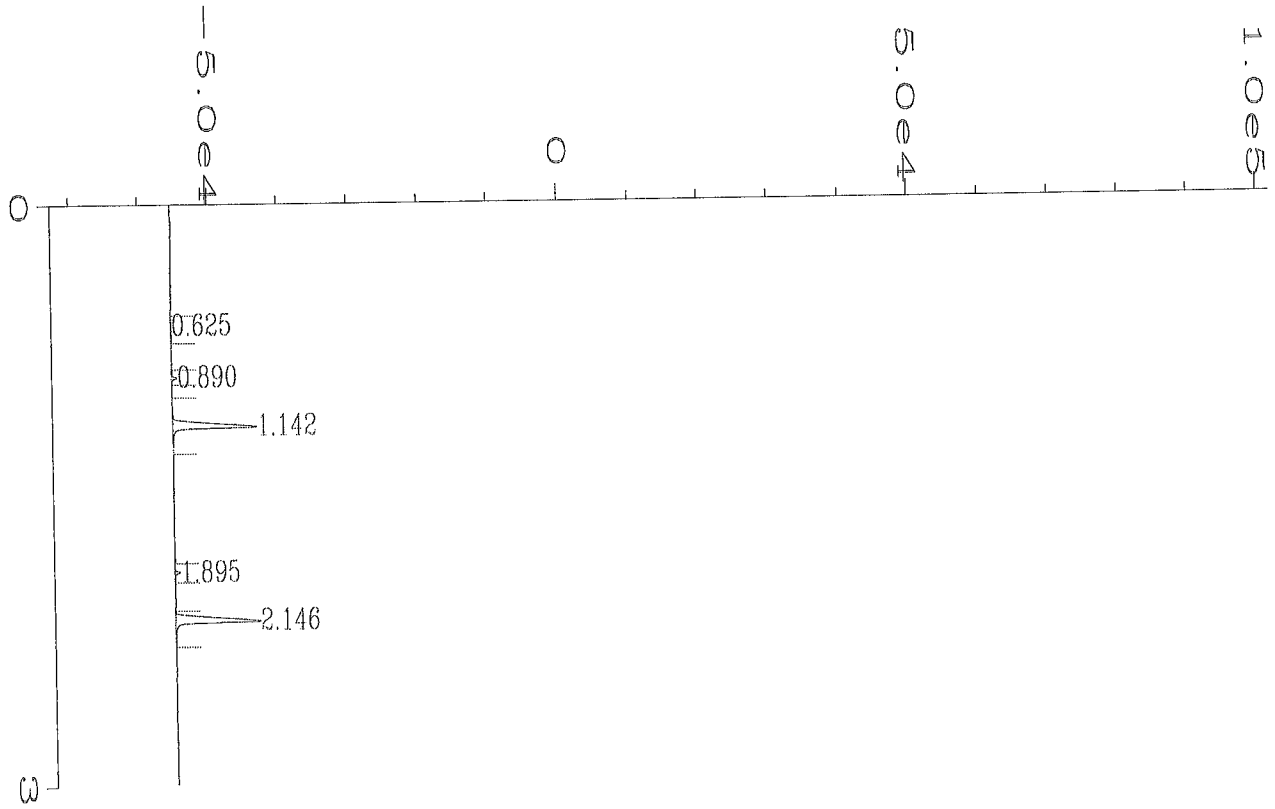
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614428PA.D
Operator : DA
Instrument : GCL
Sample Name : T-214
Run Time Bar Code:
Acquired on : 01 Sep 26 04:36 PM
Report Created on: 03 Sep 26 01:27 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614428PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	254703	262982	BB S	0.015	100.0000

Total area = 254703



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614428A.D
Operator : DA
Instrument : GCL
Sample Name : T-214
Run Time Bar Code:
Acquired on : 08 Sep 26 03:42 PM
Report Created on: 09 Aug 26 12:44 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614428A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.625	327	114	PB	0.041	0.7870
2	0.890	670	768	BV	0.019	1.6158
3	1.142	19830	12267	BV	0.041	47.7893
4	1.895	921	810	VV	0.023	2.2191
5	2.146	19747	12365	PV	0.036	47.5888

Total area = 41495

Sample Data Packages

SDG Number 226144

Lab Id Number 29

Client ID T-301

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 29

File Name: 2614429A
Description: T-301
Can/Tube#: 659
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:41
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,263	5,631	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.16	692	741	181,594	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614429A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	29		SF:	2	
Description:	T-301		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 8:23	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:41	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	659				
Can Factor	1.38				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29528
7727-37-9	Nitrogen	03	2.05	2.02	169101
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

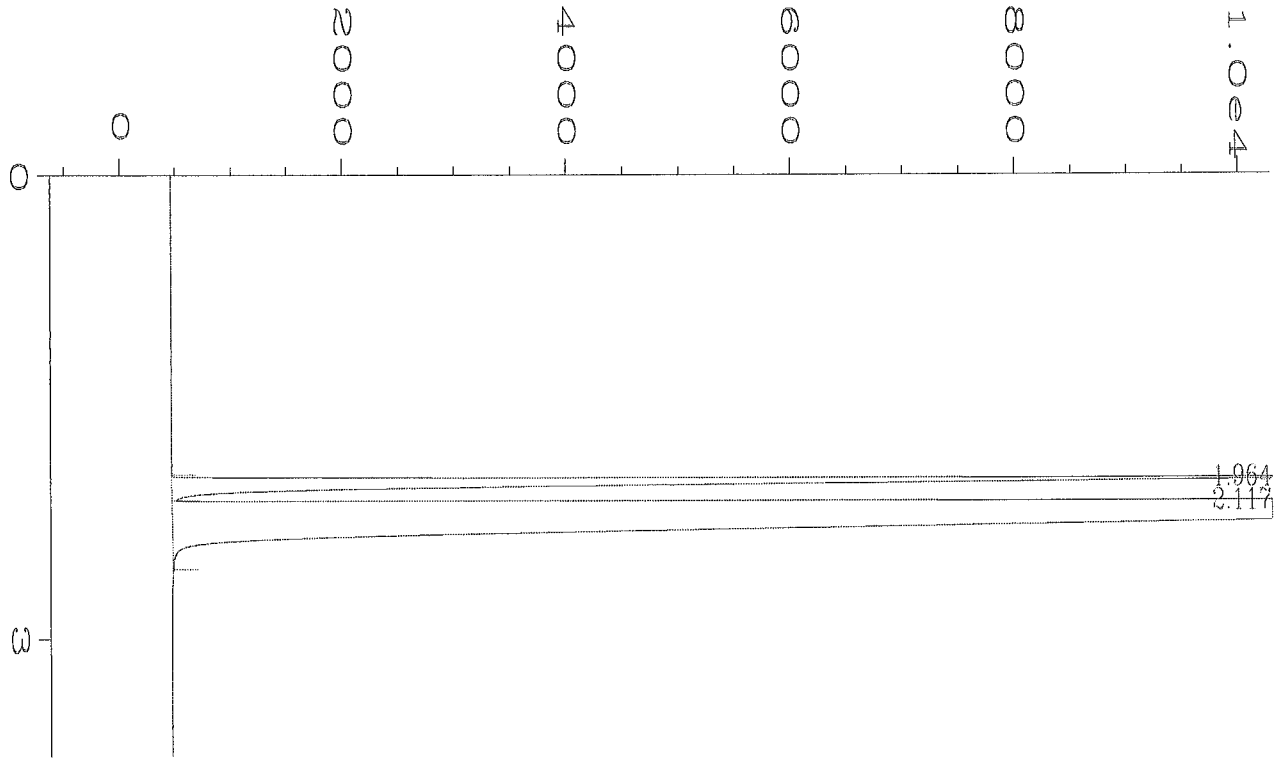
Laboratory Number: 29

File Name:	2614429A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.38				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.38		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.526	0.563	0.526	0.563	5,263	5,631	U
Oxygen	32.00	18.16	18.16	18.16	181,594	18.16	18.16	500	0.069	0.074	0.069	0.074	692	741	
Nitrogen	28.01	81.84	81.84	81.84	818,406	81.84	81.84	1000	0.138	0.148	0.138	0.148	1,385	1,482	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Sum - N2		18.16	100.00												
Sum		100.0													
Total Nitrogen		95.96													

4405.188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614429MA.D
Operator : DA
Instrument : GCL
Sample Name : T-301
Run Time Bar Code:
Acquired on : 01 Sep 26 04:41 PM
Report Created on: 03 Sep 26 01:27 PM

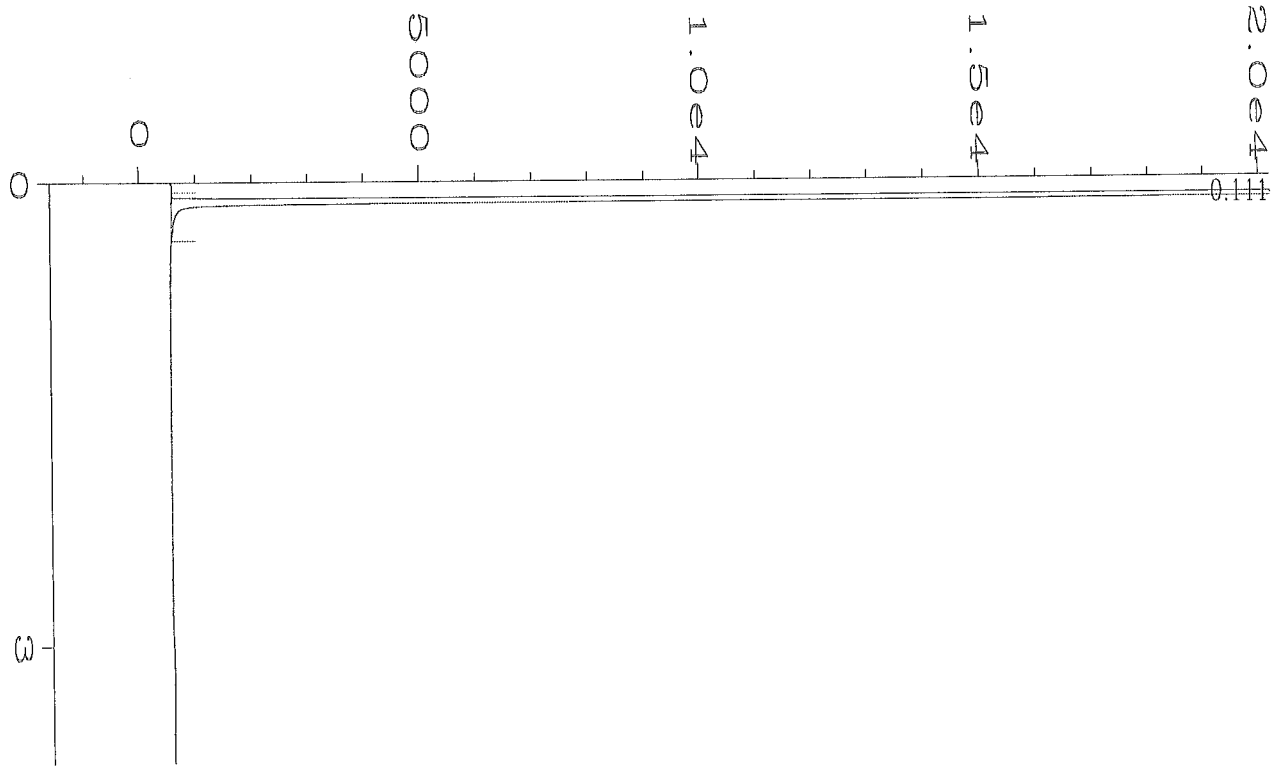
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614429MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.964	29528	11241	BV	0.035	14.8659
2	2.117	169101	23245	VB	0.098	85.1341

Total area = 198629

==========



Area Percent Report

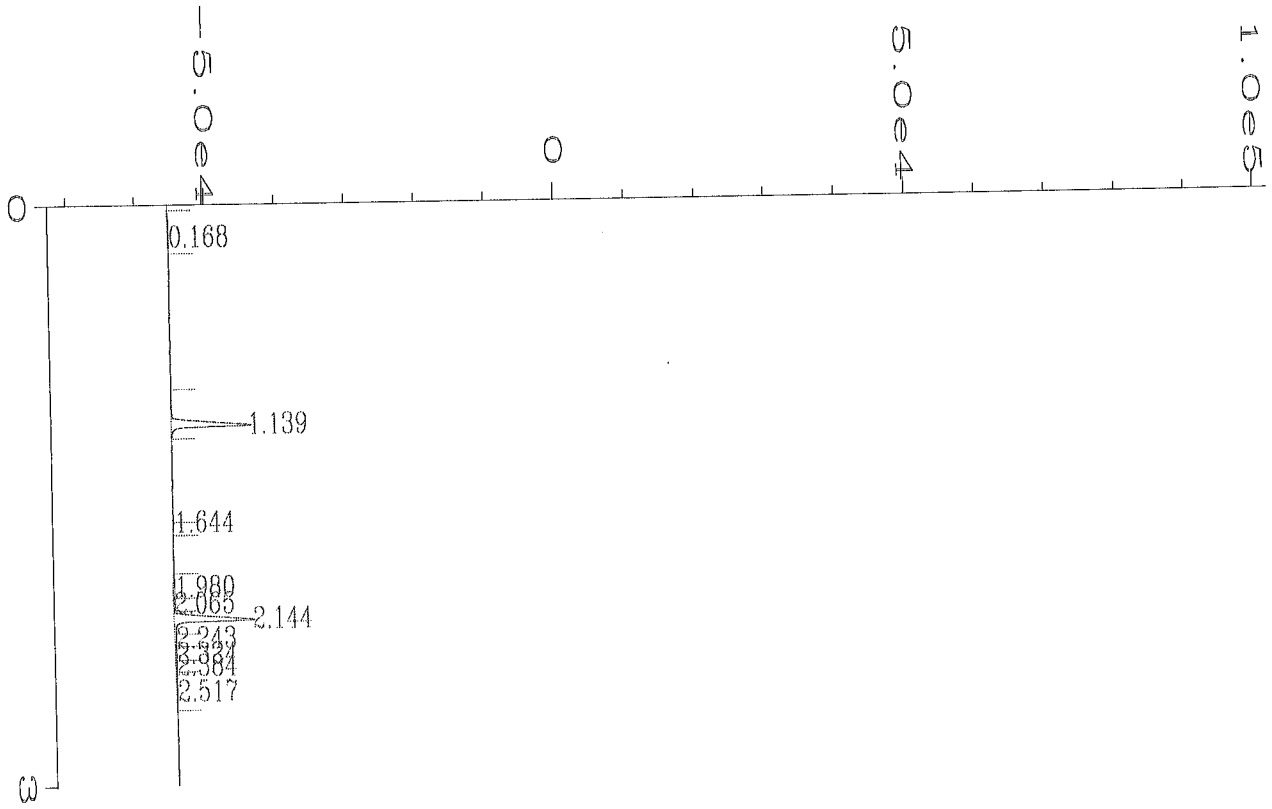
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614429PA.D
Operator : DA
Instrument : GCL
Sample Name : T-301
Run Time Bar Code:
Acquired on : 01 Sep 26 04:41 PM
Report Created on: 03 Sep 26 01:27 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614429PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	260234	260364	BB S	0.016	100.0000

Total area = 260234



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614429A.D
Operator : DA
Instrument : GCL
Sample Name : T-301
Run Time Bar Code:
Acquired on : 08 Sep 26 03:45 PM
Report Created on: 09 Aug 26 12:45 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614429A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.168	718	81	BB	0.118	1.6343
2	1.139	18821	11767	VV	0.035	42.8351
3	1.644	179	245	PV	0.012	0.4084
4	1.980	1355	221	VV	0.078	3.0847
5	2.065	780	375	PV	0.035	1.7759
6	2.144	18792	11446	VV	0.026	42.7710
7	2.243	782	238	VV	0.043	1.7808
8	2.324	803	205	VV	0.051	1.8277
9	2.384	573	172	VV	0.052	1.3048
10	2.517	1132	121	VV	0.144	2.5773

Total area = 43937

==========

Sample Data Packages

SDG Number 226144
Lab Id Number 30

Client ID T-302

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 30

File Name: 2614430A
Description: T-302
Can/Tube#: 897
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:28
Date Analyzed: 09/01/26 **Time:** 16:48
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.563	0.602	ND	5,625	6,019	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.45	740	792	184,544	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	158	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	148	158	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614430A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	30		SF:	2	
Description:	T-302		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 8:28	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:48	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	897				
Can Factor	1.48				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**28076**
7727-37-9	Nitrogen	03	2.05	2.02	**173084**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

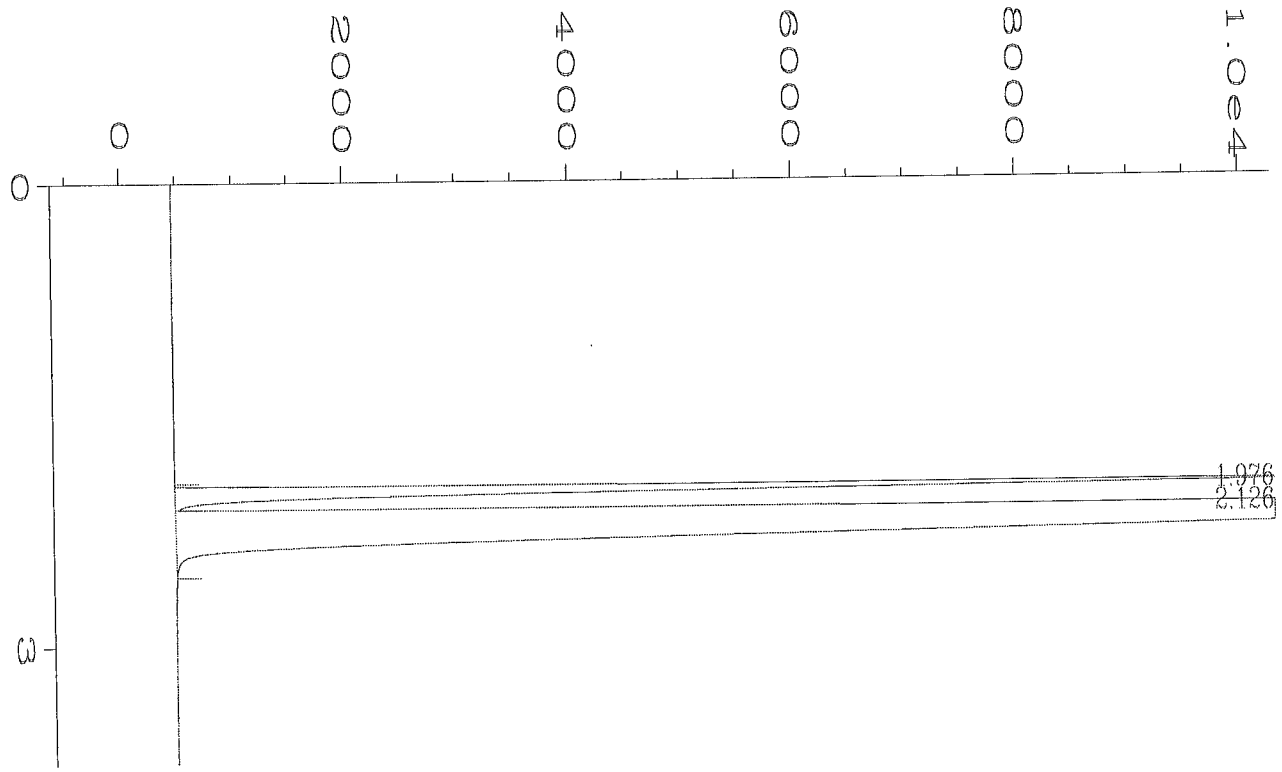
Laboratory Number: 30

File Name:	2614430A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.48				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.48		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.563	0.602	0.563	0.602	5,625	6,019	U
Oxygen	32.00	18.45	18.45	18.45	184,544	18.45	18.45	500	0.074	0.079	0.074	0.079	740	792	
Nitrogen	28.01	81.55	81.55	81.55	815,456	81.55	81.55	1000	0.148	0.158	0.148	0.158	1,480	1,584	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	148	158	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	148	158	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	148	158	U
Sum - N2		18.45	100.00												
Sum		100.0													
Total Nitrogen		104.97													

4488-1888

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614430MA.D
Operator : DA
Instrument : GCL
Sample Name : T-302
Run Time Bar Code:
Acquired on : 01 Sep 26 04:48 PM
Report Created on: 03 Sep 26 01:27 PM

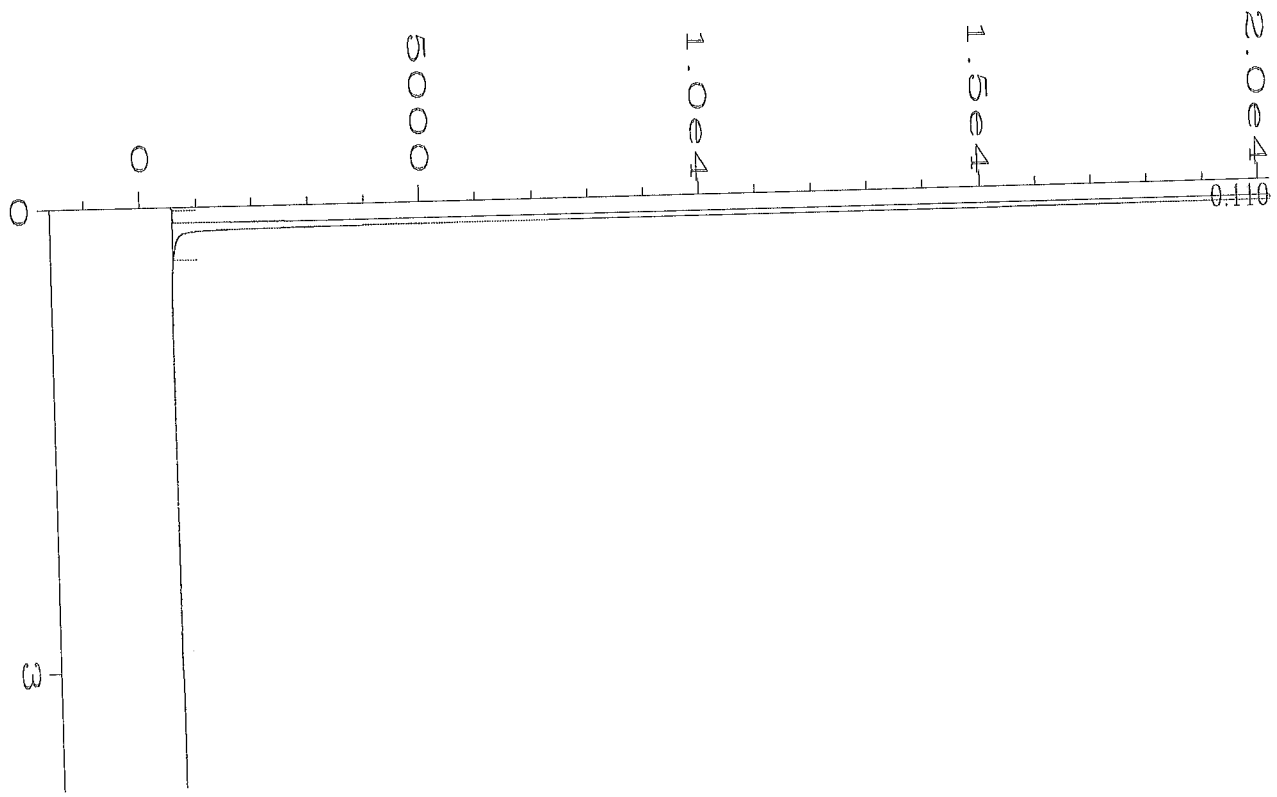
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614430MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.976	28076	10666	BV	0.044	13.9572
2	2.126	173084	23481	VB	0.100	86.0428

Total area = 201160

==========



Area Percent Report

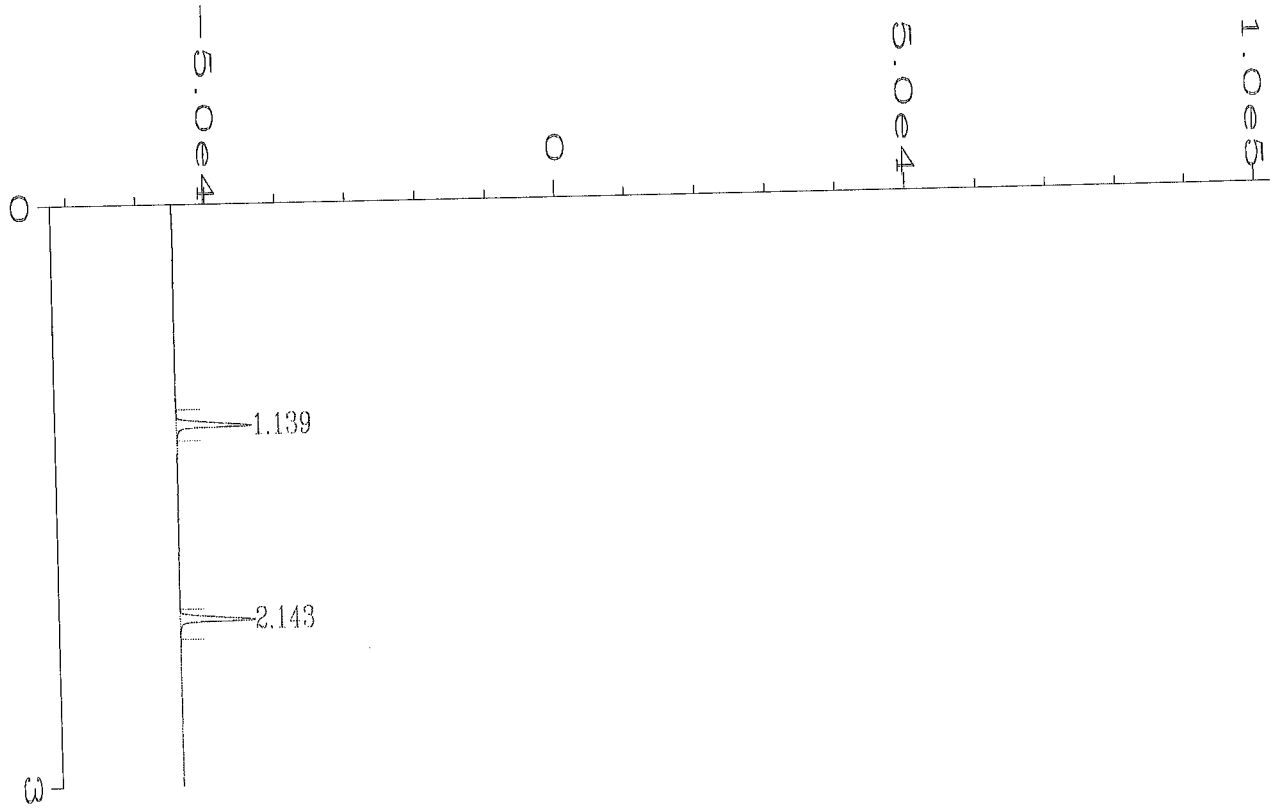
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614430PA.D
Operator : DA
Instrument : GCL
Sample Name : T-302
Run Time Bar Code:
Acquired on : 01 Sep 26 04:48 PM
Report Created on: 03 Sep 26 01:27 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614430PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	260040	252474	BB S	0.016	100.0000

Total area = 260040



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614430A.D
Operator : DA
Instrument : GCL
Sample Name : T-302
Run Time Bar Code:
Acquired on : 08 Sep 26 03:49 PM
Report Created on: 09 Aug 26 12:49 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614430A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.139	17240	10894	PV	0.025	50.4237
2	2.143	16950	10870	PV	0.025	49.5763

Total area = 34190

Sample Data Packages

SDG Number 226144

Lab Id Number 31

Client ID T-303

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 31

File Name: 2614431A
Description: T-303
Can/Tube#: 754
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:23
Date Analyzed: 09/01/26 **Time:** 16:54
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.494	0.529	ND	4,939	5,285	ND	ND
7782-44-7	Oxygen	0.065	0.070	18.44	650	695	184,359	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	139	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	130	139	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614431A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	31		SF:	2	
Description:	T-303		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 8:23	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:54	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	754				
Can Factor	1.30				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	31941
7727-37-9	Nitrogen	03	2.05	2.02	167831
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 31

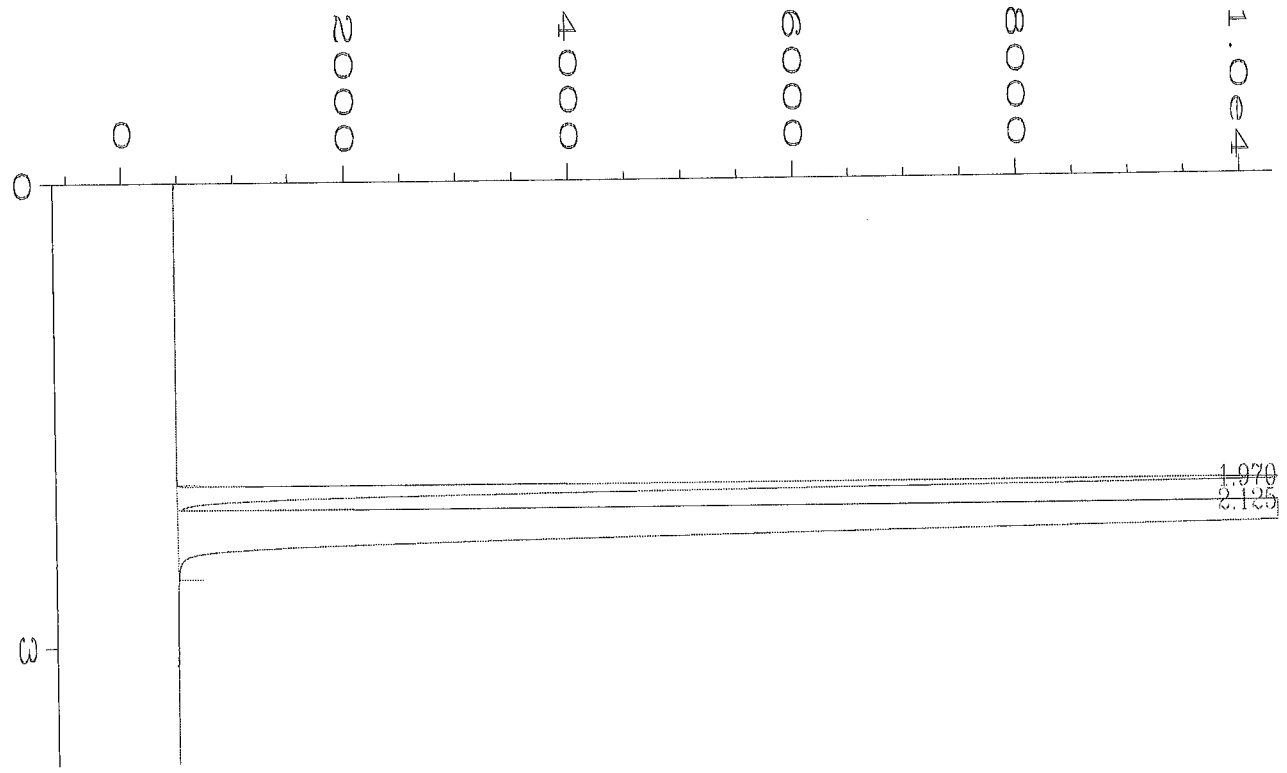
File Name:	2614431A		
QCBatch	090126-GCO		
Can Factor	1.30		
Air Volume:	0.50	ml	
Base Volume	0.50	ml	
Dilution Factor	1.30		
Gas Constant:	24.4		
Decimal Places:	2		

Detect Flag: ND
Report Normalized: No

Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.494	0.529	0.494	0.529	4,939	5,285	U
Oxygen	32.00	18.44	18.44	18.44	184,359	18.44	18.44	500	0.065	0.070	0.065	0.070	650	695	
Nitrogen	28.01	81.56	81.56	81.56	815,641	81.56	81.56	1000	0.130	0.139	0.130	0.139	1,300	1,391	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	130	139	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	130	139	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	130	139	U
Sum - N2		18.44	100.00												
Sum		100.0													
Total Nitrogen		89.38													

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614431MA.D
Operator : DA
Instrument : GCL
Sample Name : T-303
Run Time Bar Code:
Acquired on : 01 Sep 26 04:54 PM
Report Created on: 03 Sep 26 01:28 PM

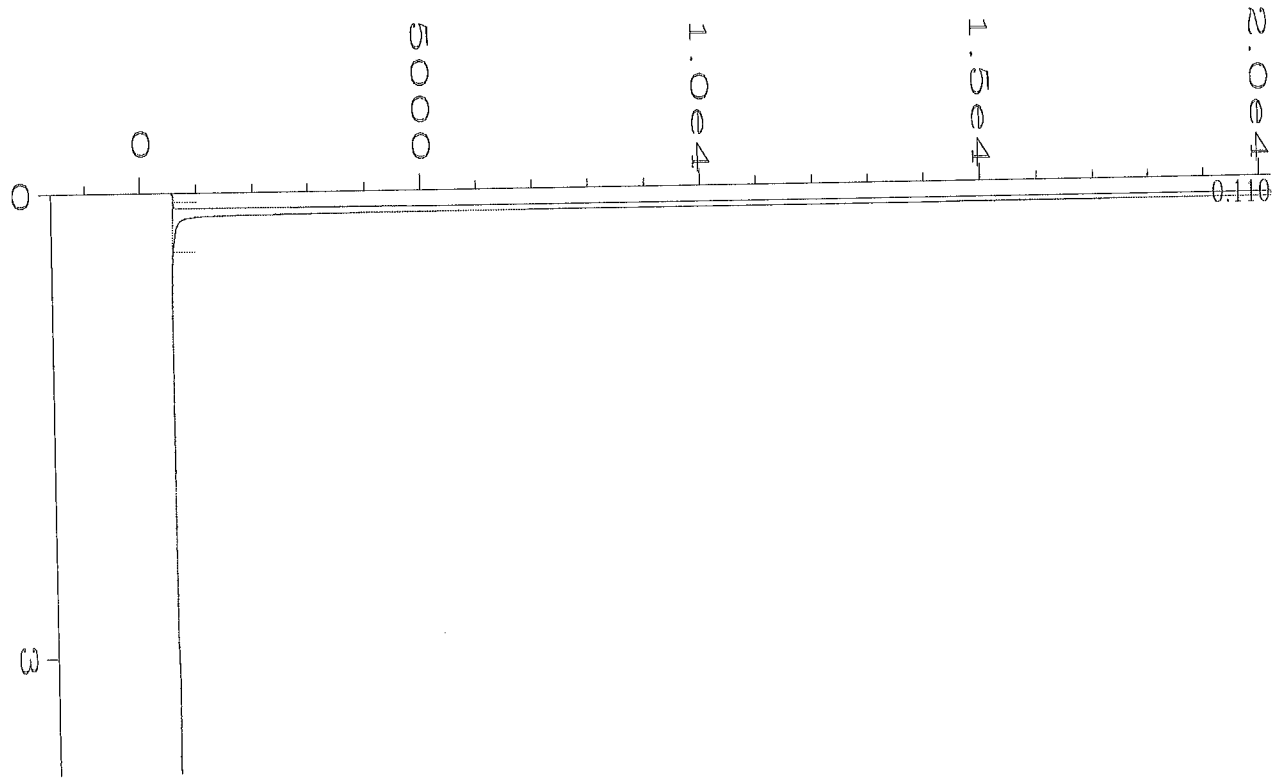
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614431MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.970	31941	11602	BV	0.037	15.9887
2	2.125	167831	23329	VB	0.095	84.0113

Total area = 199772

==========



Area Percent Report

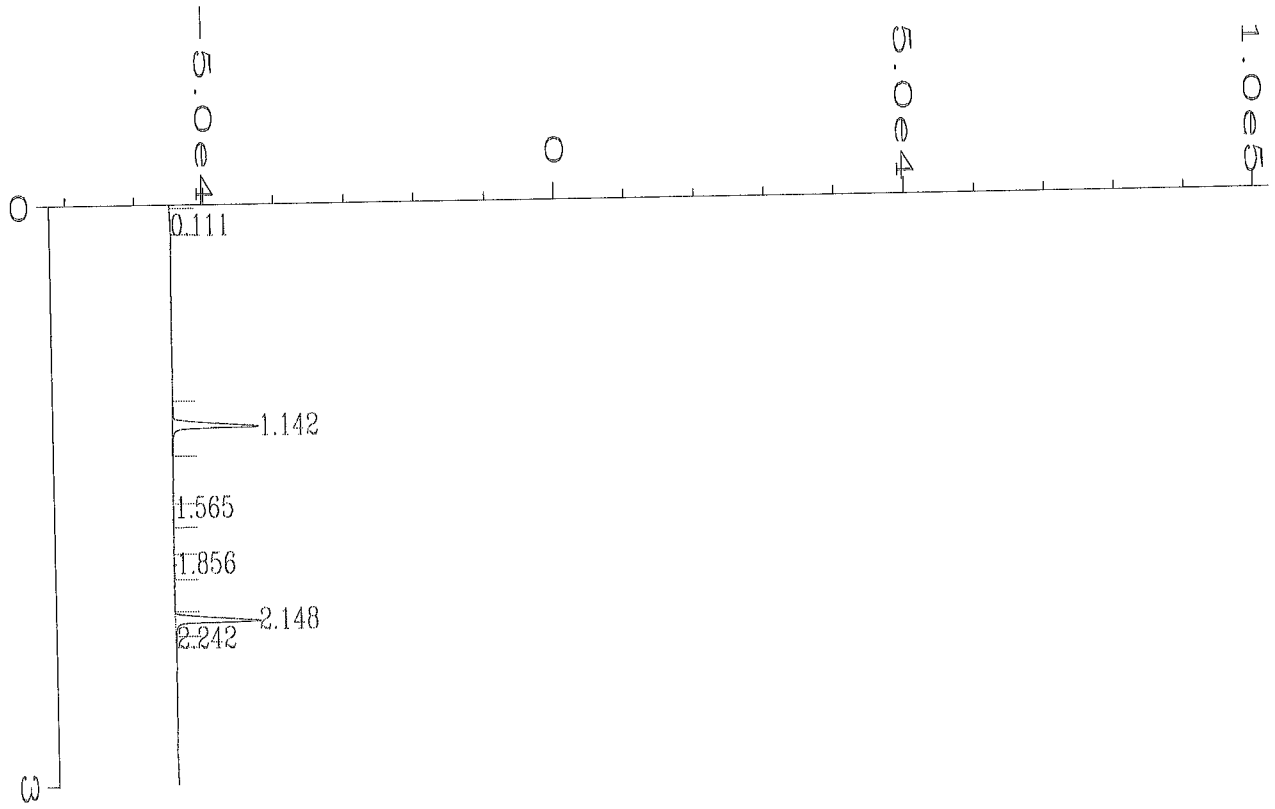
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614431PA.D
Operator : DA
Instrument : GCL
Sample Name : T-303
Run Time Bar Code:
Acquired on : 01 Sep 26 04:54 PM
Report Created on: 03 Sep 26 01:28 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614431PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	256334	247824	BB S	0.016	100.0000

Total area = 256334



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614431A.D
Operator : DA
Instrument : GCL
Sample Name : T-303
Run Time Bar Code:
Acquired on : 08 Sep 26 03:52 PM
Report Created on: 09 Aug 26 12:50 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614431A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	325	70	BV	0.069	0.7723
2	1.142	20999	12472	VV	0.036	49.8944
3	1.565	297	213	PV	0.030	0.7062
4	1.856	454	393	PV	0.020	1.0776
5	2.148	19858	12226	PV	0.025	47.1822
6	2.242	155	84	VV	0.031	0.3674

Total area = 42087

Sample Data Packages

SDG Number 226144

Lab Id Number 32

Client ID T-304

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 32

File Name: 2614432A
Description: T-304
Can/Tube#: 745
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 8:25
Date Analyzed: 09/01/26 **Time:** 16:59
Can Dilution Factor: 1.28

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.487	0.521	ND	4,875	5,216	ND	ND
7782-44-7	Oxygen	0.064	0.068	20.09	641	686	200,938	
630-08-0	Carbon Monoxide	0.013	0.014	ND	128	137	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.08	128	137	757	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614432A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	32		SF:	2	
Description:	T-304		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 8:25	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 16:59	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	745				
Can Factor	1.28				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	35277
7727-37-9	Nitrogen	03	2.05	2.02	162451
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		287

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

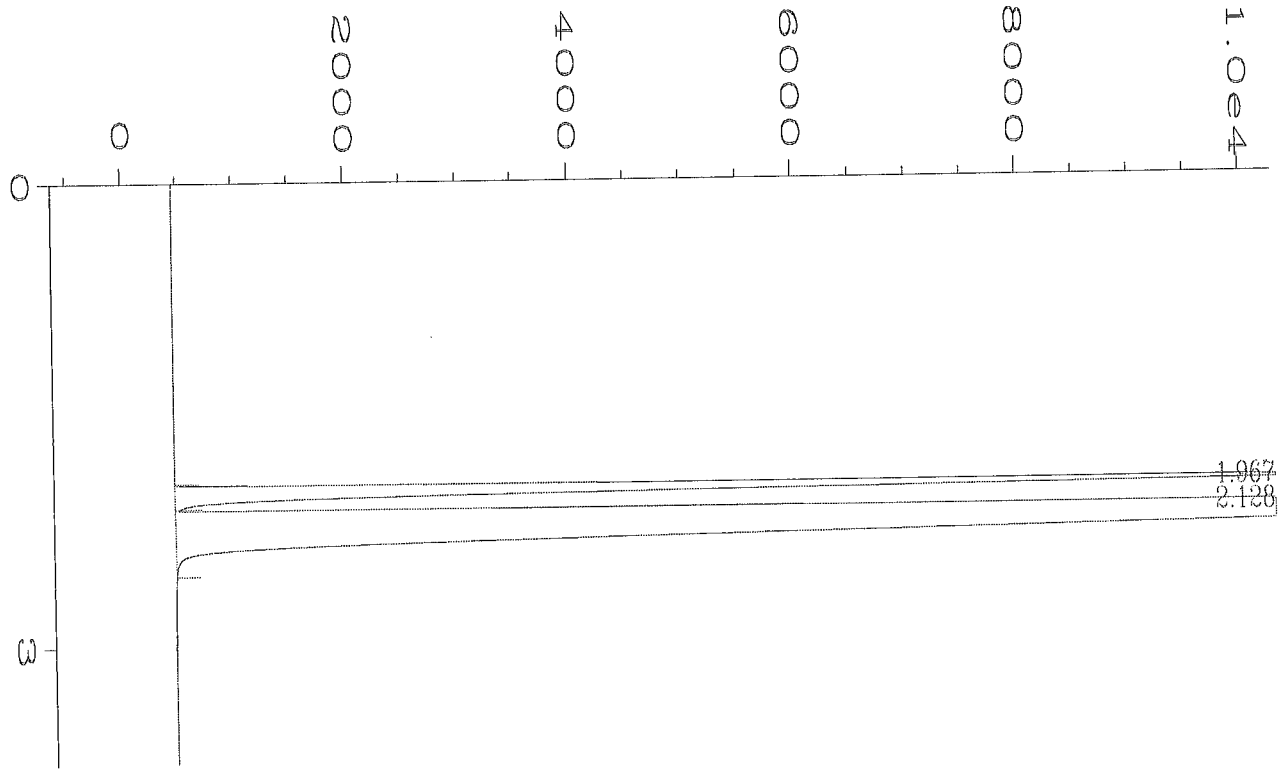
SDG: 226144
Laboratory Number: 32

File Name:	2614432A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.28				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.28		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.487	0.522	0.487	0.521	4,875	5,216	U
Oxygen	32.00	20.09	20.09	20.09	200,938	20.09	20.09	500	0.064	0.069	0.064	0.068	641	686	
Nitrogen	28.01	79.83	79.83	79.83	798,305	79.83	79.83	1000	0.128	0.137	0.128	0.137	1,283	1,373	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	128	137	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	128	137	U
Carbon Dioxide	44.01	0.08	0.08	0.08	757	0.08	0.08	100	0.013	0.014	0.013	0.014	128	137	
Sum - N2		20.17	100.00												
Sum		100.0													
Total Nitrogen		85.38													

444-5188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614432MA.D
Operator : DA
Instrument : GCL
Sample Name : T-304
Run Time Bar Code:
Acquired on : 01 Sep 26 04:59 PM
Report Created on: 03 Sep 26 01:28 PM

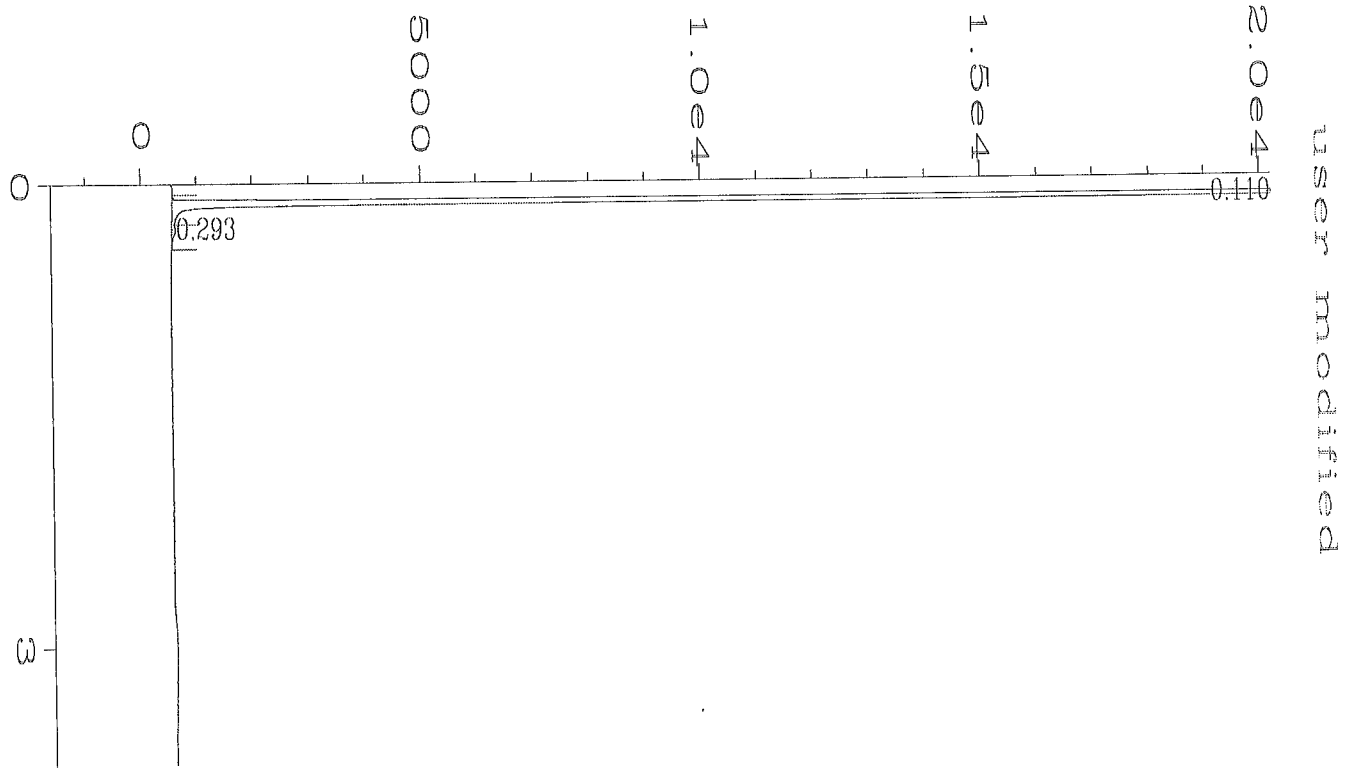
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614432MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.967	35277	12294	BV	0.039	17.8413
2	2.128	162451	22648	VB	0.095	82.1587

Total area = 197728

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614432PA.D
Operator : DA
Instrument : GCL
Sample Name : T-304
Run Time Bar Code:
Acquired on : 01 Sep 26 04:59 PM
Report Created on: 03 Sep 26 01:28 PM

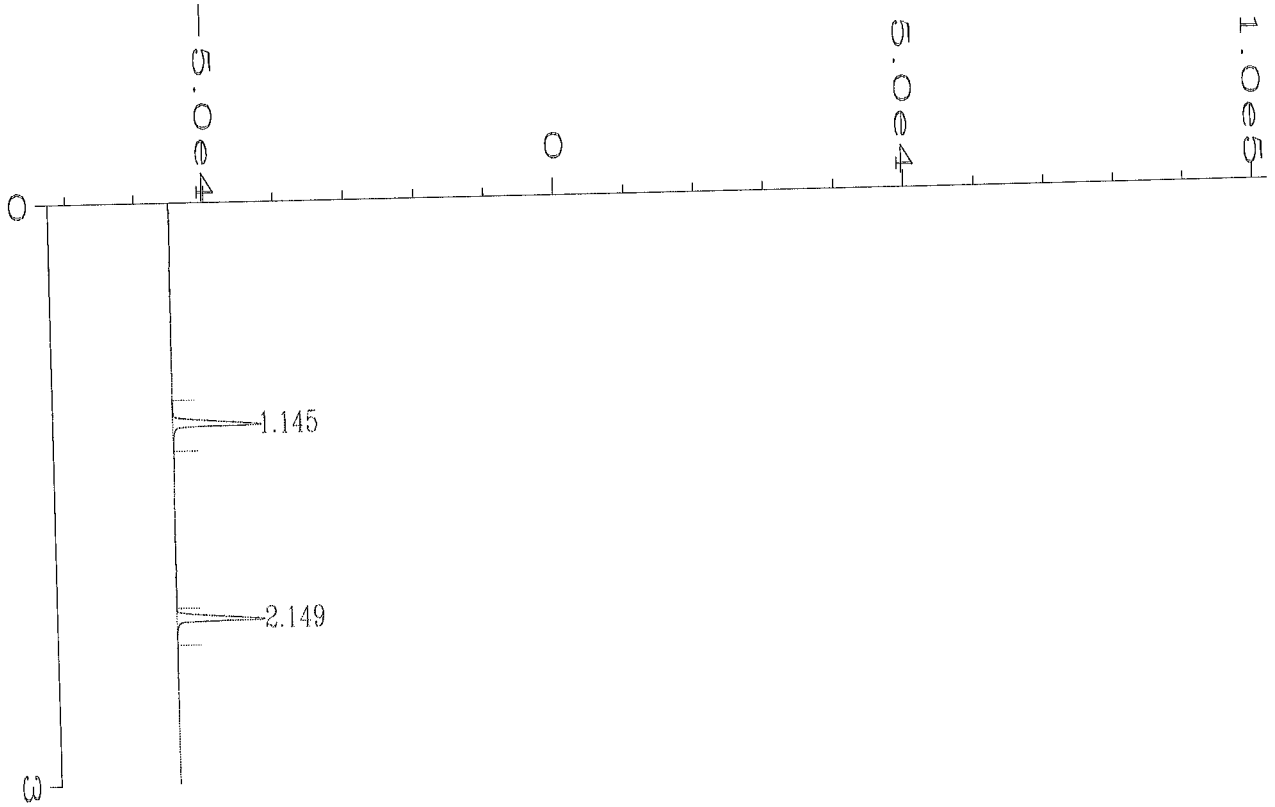
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614432PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	261626	252627	BB S	0.016	99.8905
2	0.293	287	66	MM	0.072	0.1095

Total area = 261912

User Modified



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614432A.D
Operator : DA
Instrument : GCL
Sample Name : T-304
Run Time Bar Code:
Acquired on : 08 Sep 26 03:56 PM
Report Created on: 09 Aug 26 12:50 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614432A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.145	21654	12601	BV	0.026	51.1055
2	2.149	20717	12829	VV	0.039	48.8945

Total area = 42371

Sample Data Packages

SDG Number 226144

Lab Id Number 33

Client ID T-305

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 33

File Name: 2614433A
Description: T-305
Can/Tube#: 741
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 9:58
Date Analyzed: 09/01/26 **Time:** 17:05
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.496	0.531	ND	4,957	5,304	ND	ND
7782-44-7	Oxygen	0.065	0.070	18.45	652	698	184,476	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	130	140	743	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614433A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	33		SF:	2	
Description:	T-305		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 9:58	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 17:05	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	741				
Can Factor	1.30				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	31848
7727-37-9	Nitrogen	03	2.05	2.02	164993
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		277

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 33

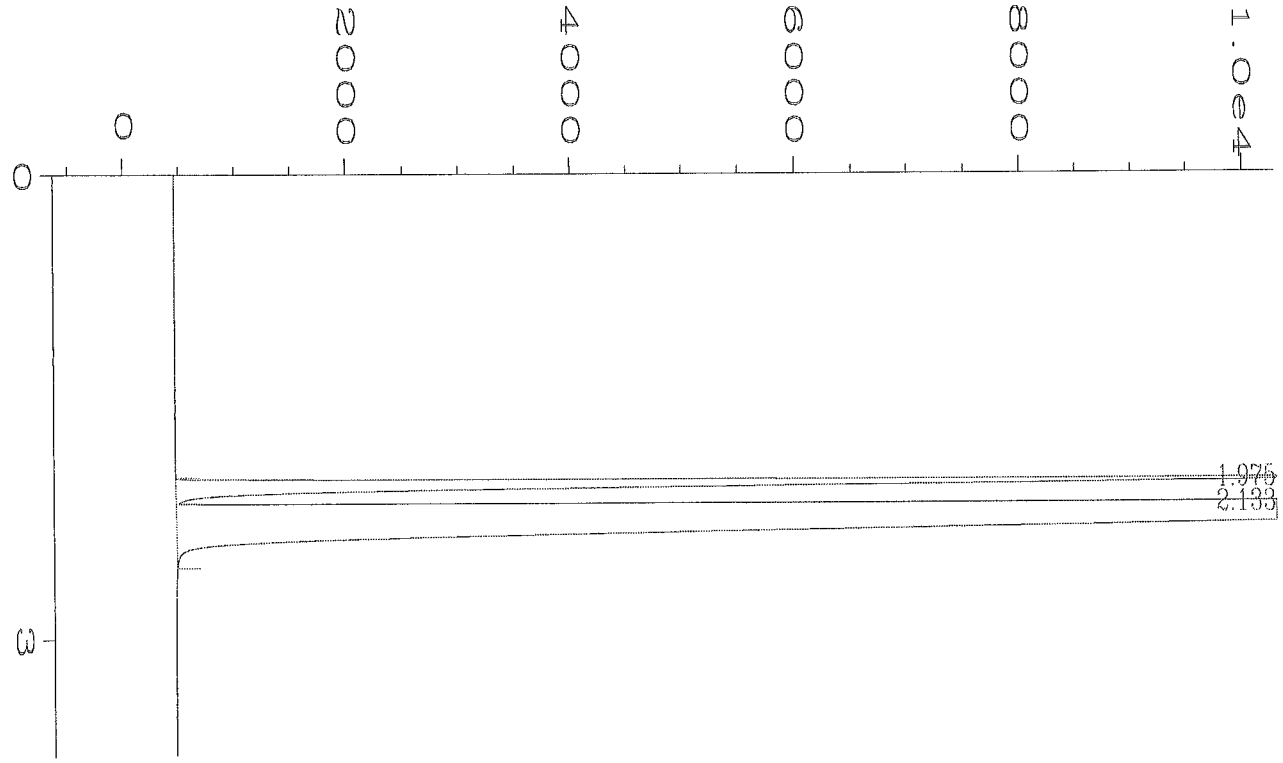
File Name:	2614433A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.30				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.30		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.496	0.530	0.496	0.531	4,957	5,304	U
Oxygen	32.00	18.45	18.45	18.45	184,476	18.45	18.45	500	0.065	0.070	0.065	0.070	652	698	
Nitrogen	28.01	81.48	81.48	81.48	814,780	81.48	81.48	1000	0.130	0.140	0.130	0.139	1,304	1,396	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	130	140	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	130	140	U
Carbon Dioxide	44.01	0.07	0.07	0.07	743	0.07	0.07	100	0.013	0.014	0.013	0.014	130	140	
Sum - N2		18.52	100.00												
Sum		100.0													
Total Nitrogen		88.18													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614433MA.D
Operator : DA
Instrument : GCL
Sample Name : T-305
Run Time Bar Code:
Acquired on : 01 Sep 26 05:05 PM
Report Created on: 03 Sep 26 01:29 PM

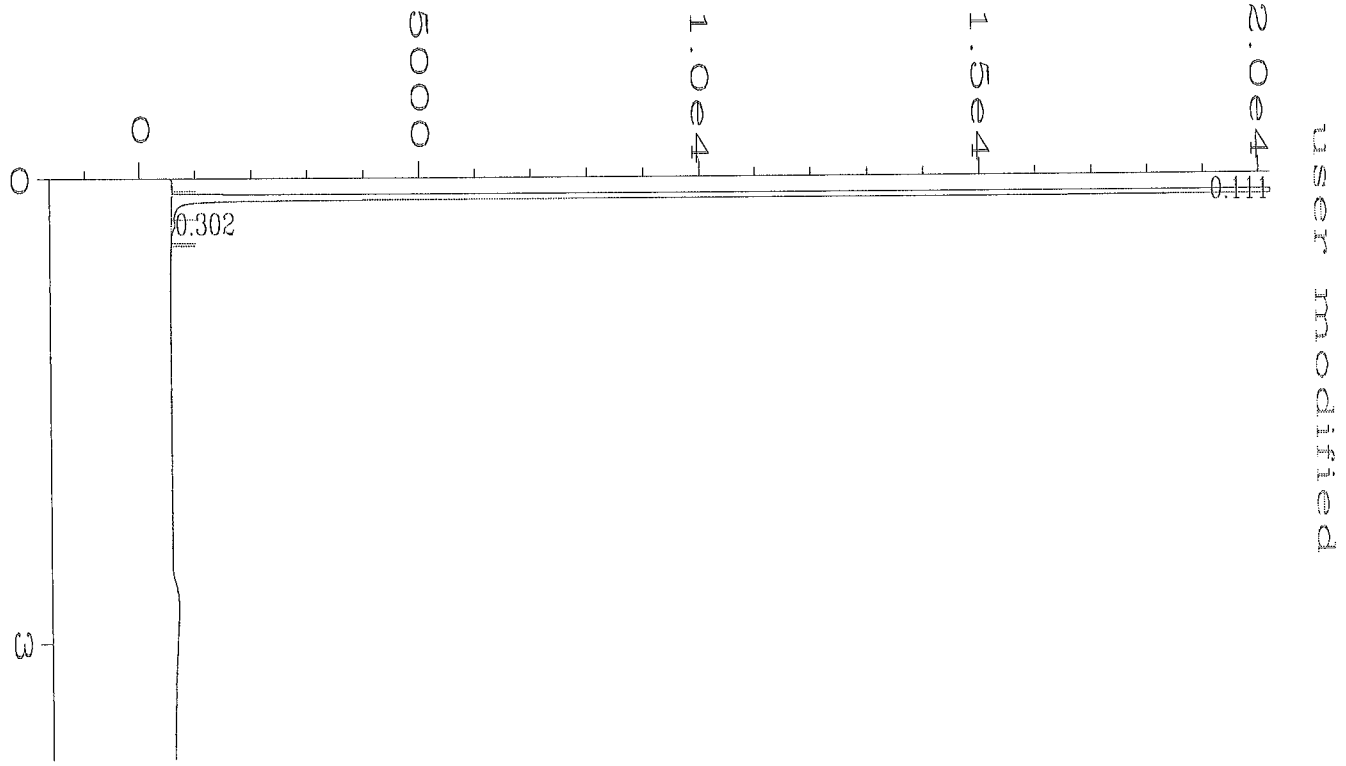
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614433MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.975	31848	11466	BV	0.046	16.1798
2	2.133	164993	22735	VB	0.094	83.8202

Total area = 196841

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614433PA.D
Operator : DA
Instrument : GCL
Sample Name : T-305
Run Time Bar Code:
Acquired on : 01 Sep 26 05:05 PM
Report Created on: 03 Sep 26 01:29 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

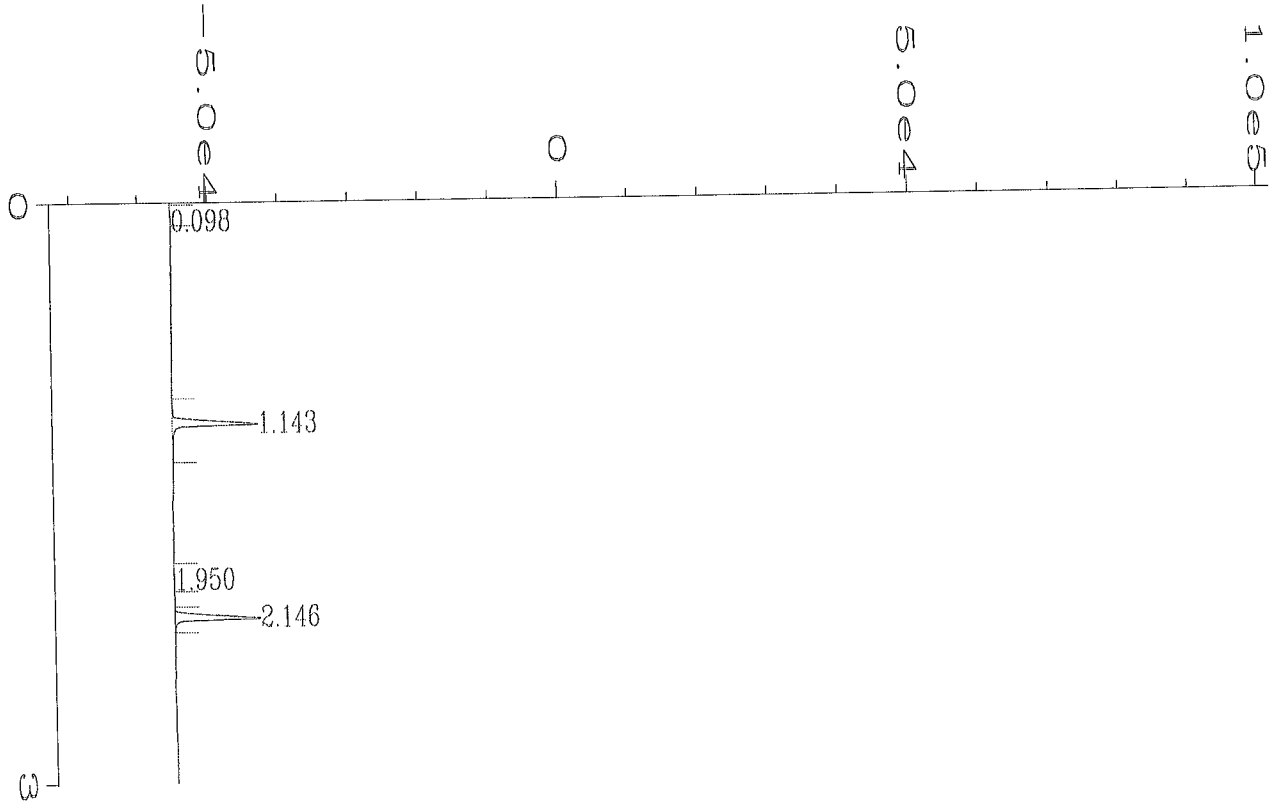
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614433PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	250909	262448	BB S	0.015	99.8897
2	0.302	277	68	MM	0.068	0.1103

Total area = 251185

User Modified

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614433A.D
Operator : DA
Instrument : GCL
Sample Name : T-305
Run Time Bar Code:
Acquired on : 08 Sep 26 03:59 PM
Report Created on: 09 Aug 26 12:51 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614433A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.098	139	58	BV	0.037	0.3354
2	1.143	21480	12388	PV	0.027	51.9048
3	1.950	460	109	PV	0.054	1.1108
4	2.146	19305	12401	BV	0.024	46.6490

Total area = 41384

Sample Data Packages

SDG Number 226144

Lab Id Number 34

Client ID T-306

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 34

File Name: 2614434A
Description: T-306
Can/Tube#: 708
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 17:10
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.536	0.574	ND	5,359	5,734	ND	ND
7782-44-7	Oxygen	0.071	0.076	17.86	705	754	178,570	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.32	141	151	3,206	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614434A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	34			SF:	2
Description:	T-306			Not Detected Flag:	ND
Date Sampled:	07/22/26	Time:	10:01	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	17:10	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	708				
Can Factor	1.41				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**28516**
7727-37-9	Nitrogen	03	2.05	2.02	**169318**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**1105**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 34

File Name:	2614434A
QCBatch	090126-GCO
Can Factor	1.41
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.41
Gas Constant:	24.4
Decimal Places:	2

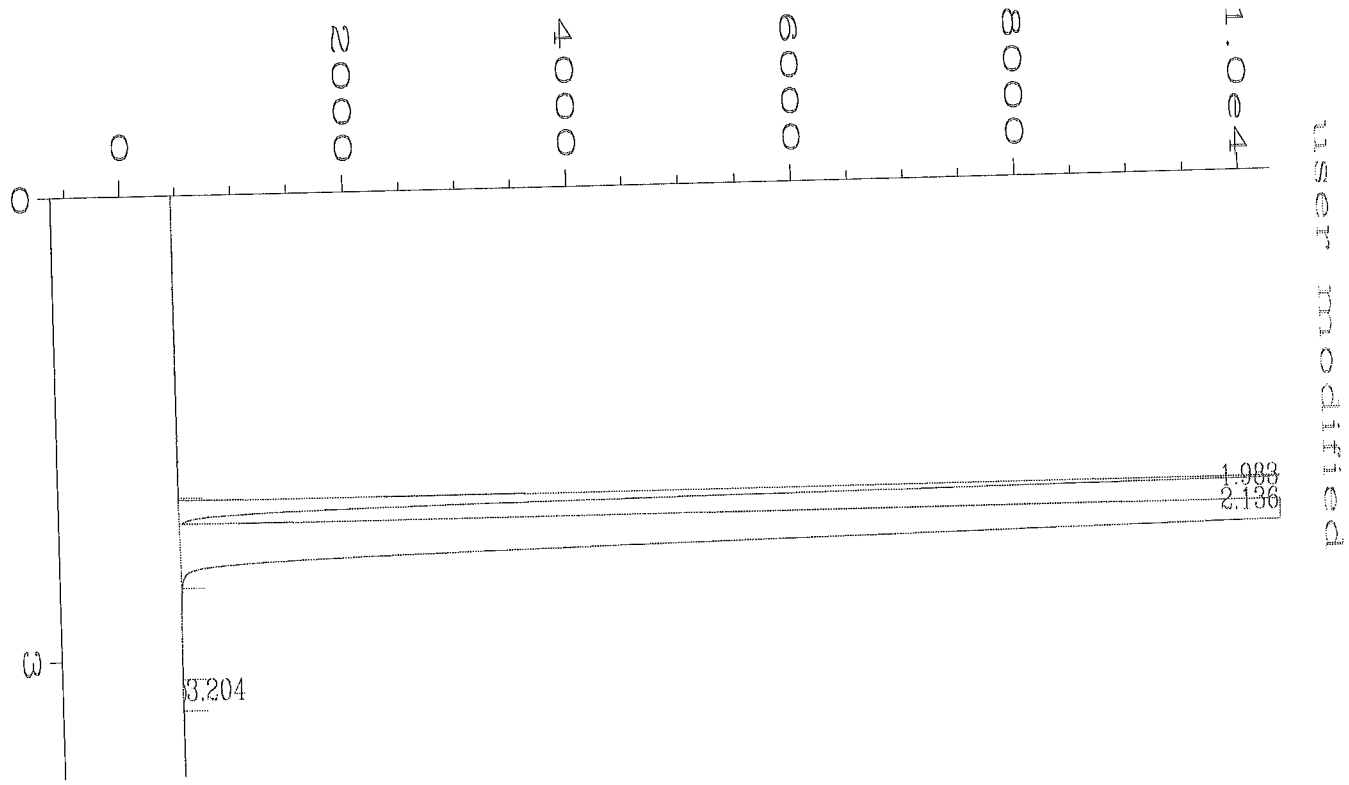
Detect Flag: ND
Report Normalized: No

Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.536	0.573	0.536	0.574	5,359	5,734	U
Oxygen	32.00	17.86	17.86	17.86	178,570	17.86	17.86	500	0.071	0.075	0.071	0.076	705	754	
Nitrogen	28.01	81.82	81.82	81.82	818,224	81.82	81.82	1000	0.141	0.151	0.141	0.151	1,410	1,509	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Carbon Dioxide	44.01	0.32	0.32	0.32	3,206	0.32	0.32	100	0.014	0.015	0.014	0.015	141	151	
Sum - N2		18.18	100.00												
Sum		100.0													
Total Nitrogen		97.83													

DO NOT SCAN

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614434MA.D
Operator : DA
Instrument : GCL
Sample Name : T-306
Run Time Bar Code:
Acquired on : 01 Sep 26 05:10 PM
Report Created on: 03 Sep 26 01:30 PM

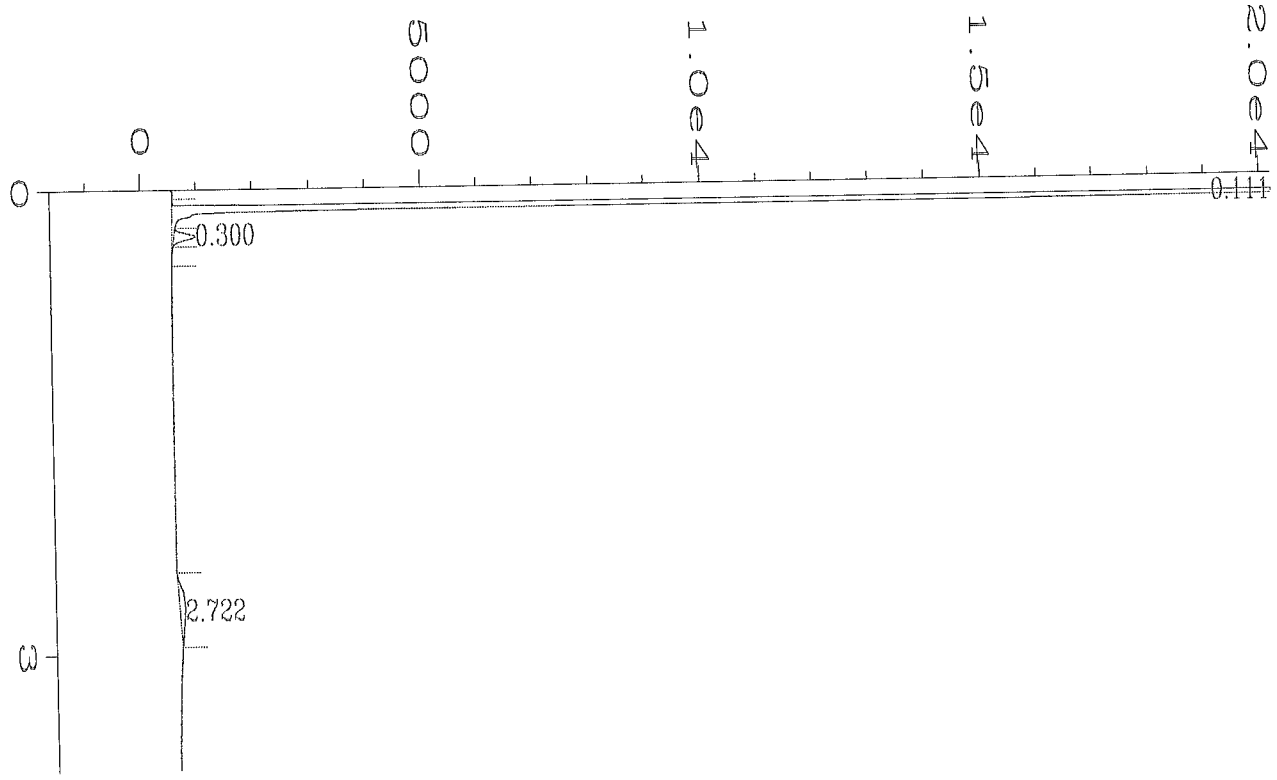
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614434MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.983	28516	10794	BV	0.036	14.4058
2	2.136	169318	23132	VB	0.095	85.5350
3	3.204	117	23	MM	0.086	0.0592

Total area = 197952

User Modified



Area Percent Report

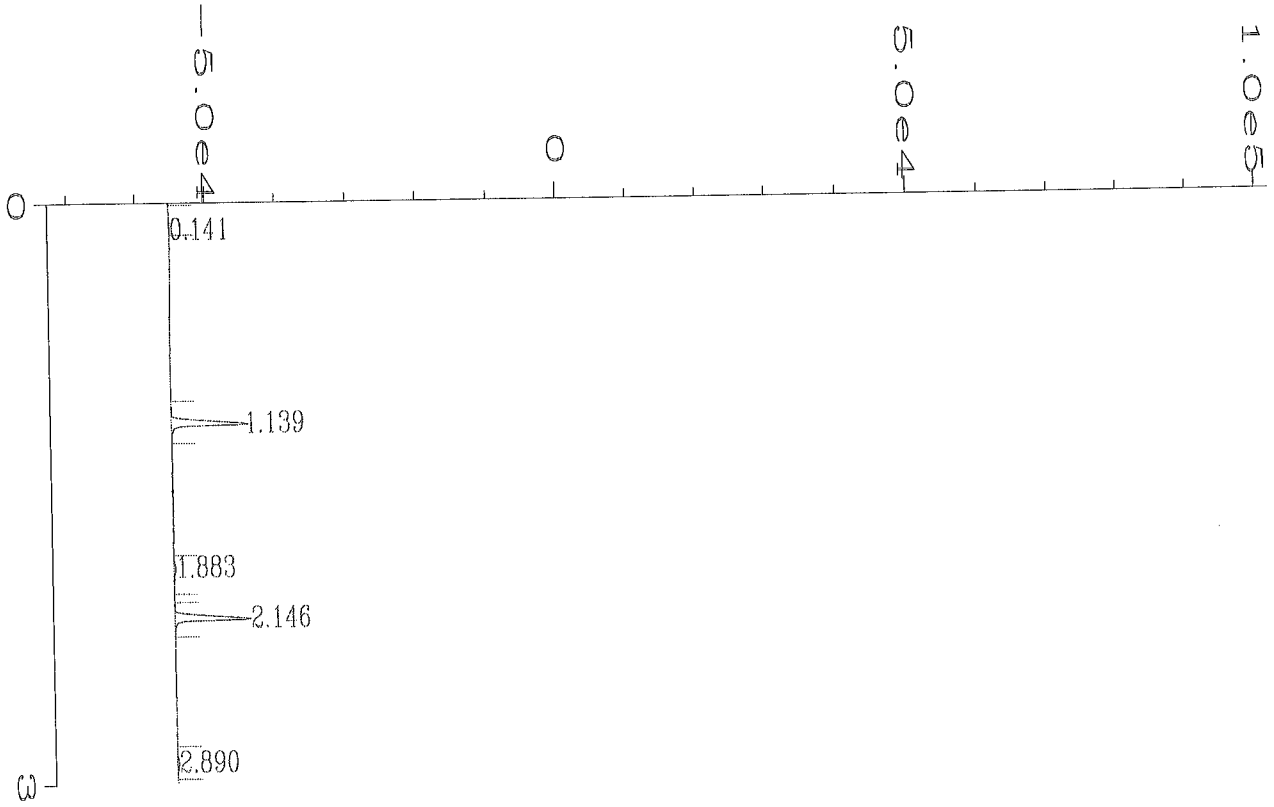
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614434PA.D
Operator : DA
Instrument : GCL
Sample Name : T-306
Run Time Bar Code:
Acquired on : 01 Sep 26 05:10 PM
Report Created on: 03 Sep 26 01:30 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614434PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	259039	253330	BB S	0.016	98.9436
2	0.300	1105	374	BV T	0.045	0.4220
3	2.722	1661	98	BB	0.247	0.6344

Total area = 261805



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614434A.D
Operator : DA
Instrument : GCL
Sample Name : T-306
Run Time Bar Code:
Acquired on : 08 Sep 26 04:04 PM
Report Created on: 09 Aug 26 12:51 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614434A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.141	195	50	BV	0.065	0.5236
2	1.139	17729	11208	PV	0.040	47.5610
3	1.883	1098	258	PB	0.056	2.9464
4	2.146	17344	11138	BV	0.033	46.5273
5	2.890	910	247	PV	0.054	2.4417

Total area = 37277

Sample Data Packages

SDG Number 226144

Lab Id Number 35

Client ID T-307

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 35

File Name: 2614435A
Description: T-307
Can/Tube#: 698
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 10:01
Date Analyzed: 09/01/26 **Time:** 18:40
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.531	0.568	ND	5,306	5,678	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.35	698	747	183,499	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.33	140	149	3,278	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614435A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	35		SF:	2	
Description:	T-307		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 10:01	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 18:40	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	698				
Can Factor	1.40				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29593
7727-37-9	Nitrogen	03	2.05	2.02	167441
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		1141

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

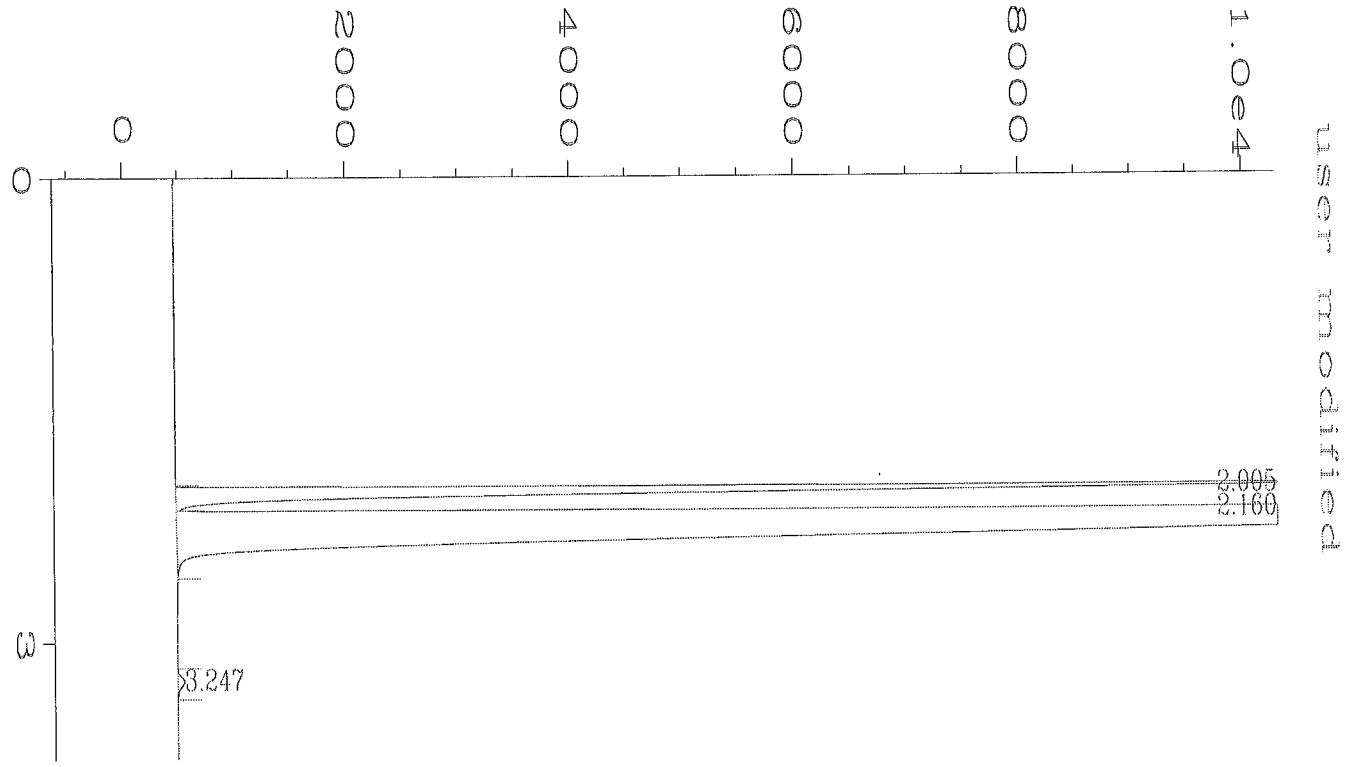
Laboratory Number: 35

File Name:	2614435A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.40				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.40		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.531	0.568	0.531	0.568	5,306	5,678	U
Oxygen	32.00	18.35	18.35	18.35	183,499	18.35	18.35	500	0.070	0.075	0.070	0.075	698	747	
Nitrogen	28.01	81.32	81.32	81.32	813,223	81.32	81.32	1000	0.140	0.149	0.140	0.150	1,396	1,494	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	149	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	149	U
Carbon Dioxide	44.01	0.33	0.33	0.33	3,278	0.33	0.33	100	0.014	0.015	0.014	0.015	140	149	
Sum - N2		18.68	100.00												
Sum		100.0													
Total Nitrogen		95.80													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614435MA.D
Operator : SW
Instrument : GCL
Sample Name : T-307
Run Time Bar Code:
Acquired on : 01 Sep 26 06:40 PM
Report Created on: 03 Sep 26 01:30 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

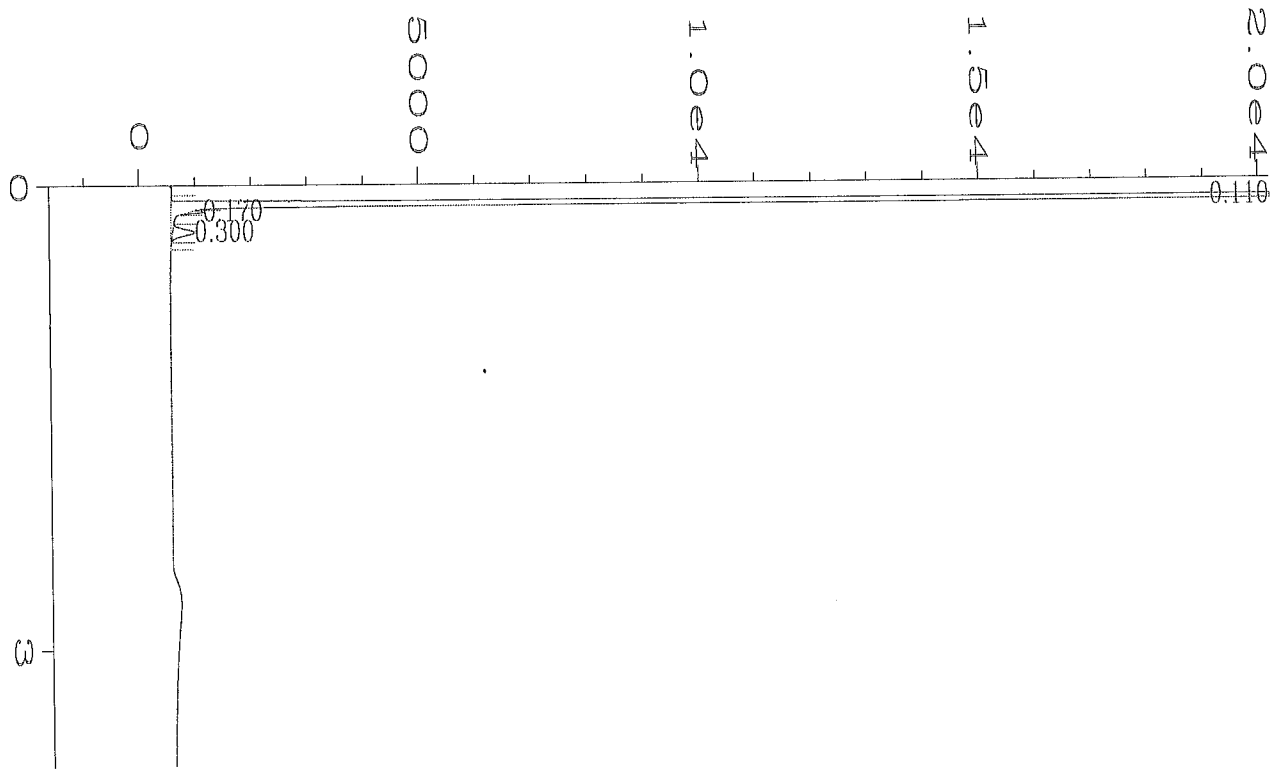
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Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.005	29593	11291	BV	0.035	14.9976
2	2.160	167441	22758	VB	0.099	84.8592
3	3.247	282	61	MM	0.077	0.1432

Total area = 197316

User Modified

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Area Percent Report

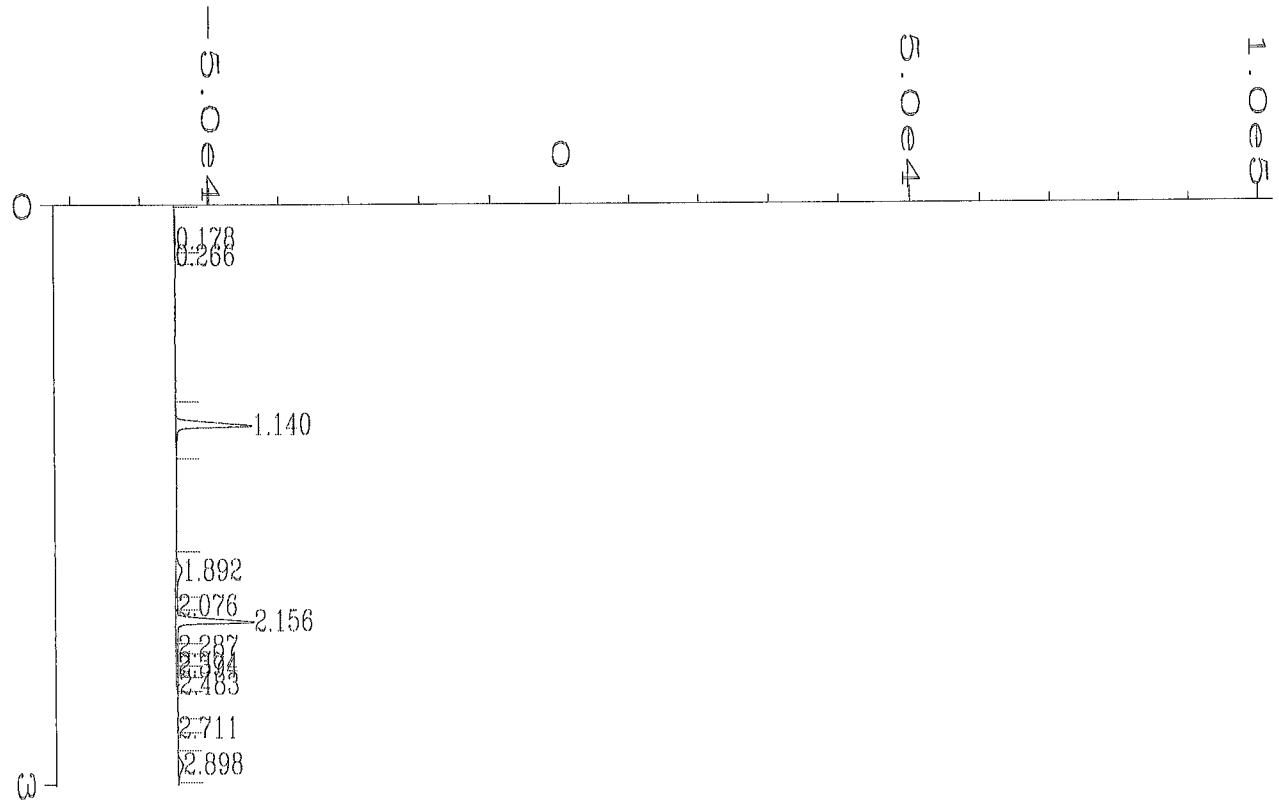
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614435PA.D
Operator : SW
Instrument : GCL
Sample Name : T-307
Run Time Bar Code:
Acquired on : 01 Sep 26 06:40 PM
Report Created on: 03 Sep 26 01:31 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614435PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	256033	249230	BB S	0.016	99.4587
2	0.170	252	313	BB T	0.013	0.0980
3	0.300	1141	387	BB T	0.046	0.4433

Total area = 257427



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614435A.D
Operator : DA
Instrument : GCL
Sample Name : T-307
Run Time Bar Code:
Acquired on : 08 Sep 26 04:08 PM
Report Created on: 09 Aug 26 12:51 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614435A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.178	1272	135	BV	0.130	2.4067
2	0.266	123	54	VV	0.038	0.2328
3	1.140	18723	11031	PV	0.026	35.4301
4	1.892	5215	863	VV	0.077	9.8682
5	2.076	1074	307	VV	0.048	2.0316
6	2.156	19812	11326	PV	0.027	37.4912
7	2.287	844	301	VV	0.047	1.5964
8	2.374	925	273	VV	0.046	1.7513
9	2.394	799	253	VV	0.053	1.5116
10	2.483	891	427	VV	0.037	1.6858
11	2.711	480	136	PV	0.047	0.9083
12	2.898	2688	690	PBA	0.052	5.0860

Total area = 52844

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Sample Data Packages

SDG Number 226144

Lab Id Number 36

Client ID T-308

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 36

File Name: 2614436A
Description: T-308
Can/Tube#: 608
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 18:45
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.532	0.569	ND	5,324	5,696	ND	ND
7782-44-7	Oxygen	0.070	0.075	16.55	700	750	165,507	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	2.86	140	150	28,629	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614436A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	36		SF:	2	
Description:	T-308		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 9:59	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 18:45	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	608				
Can Factor	1.40				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	26605
7727-37-9	Nitrogen	03	2.05	2.02	160256
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		9933

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

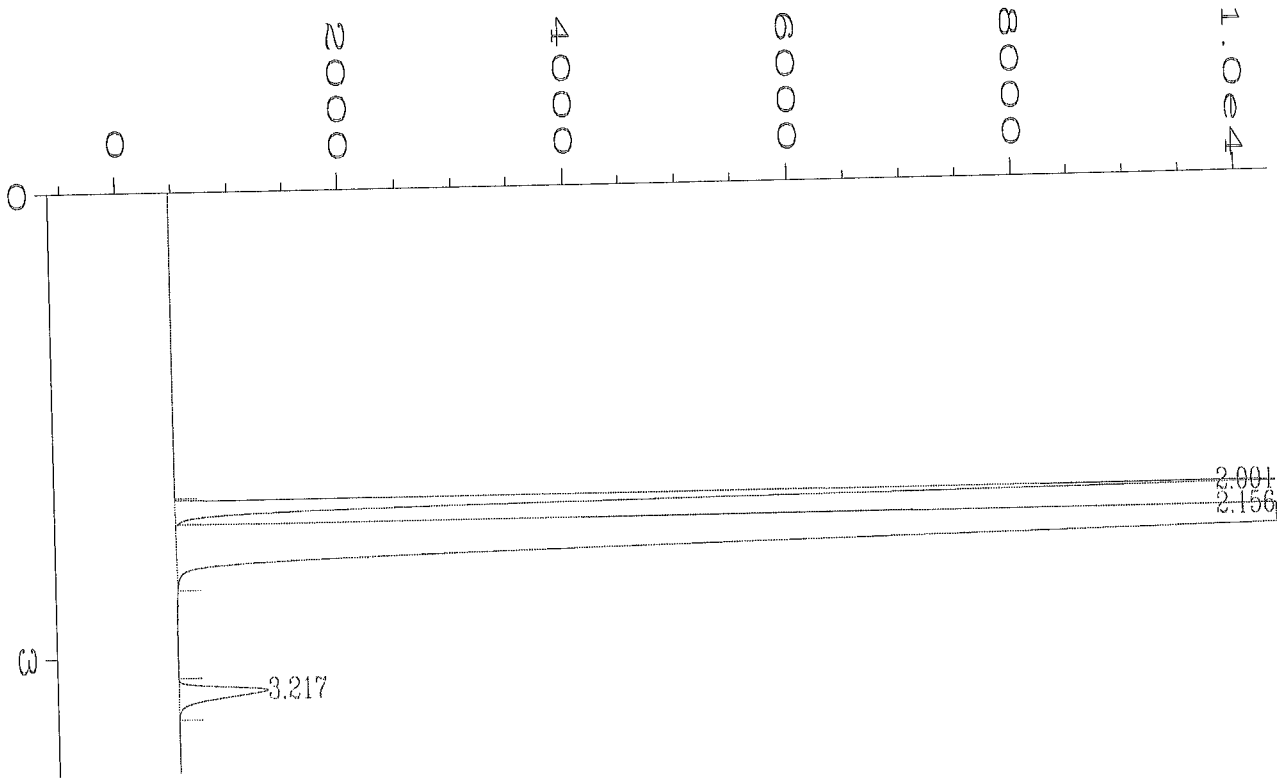
Laboratory Number: 36

File Name:	2614436A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.40				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.40		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.532	0.570	0.532	0.569	5,324	5,696	U
Oxygen	32.00	16.55	16.55	16.55	165,507	16.55	16.55	500	0.070	0.075	0.070	0.075	700	750	
Nitrogen	28.01	80.59	80.59	80.59	805,864	80.59	80.59	1000	0.140	0.150	0.140	0.150	1,401	1,499	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Dioxide	44.01	2.86	2.86	2.86	28,629	2.86	2.86	100	0.014	0.015	0.014	0.015	140	150	
Sum - N2		19.41	100.00												
Sum		100.0													
Total Nitrogen		91.99													

4496-1880

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

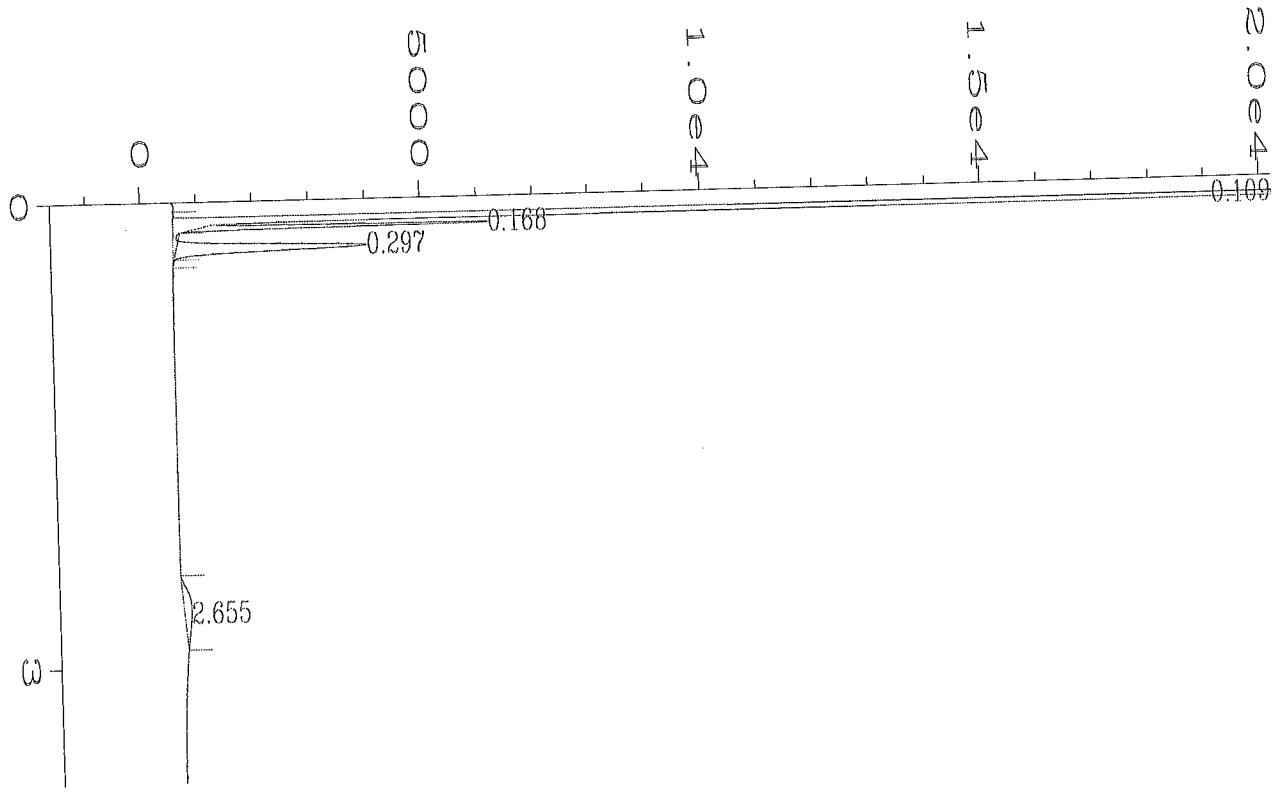
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614436MA.D
Operator : SW
Instrument : GCL
Sample Name : T-308
Run Time Bar Code:
Acquired on : 01 Sep 26 06:45 PM
Report Created on: 03 Sep 26 01:31 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614436MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.001	26605	10501	BV	0.035	13.9602
2	2.156	160256	22265	VB	0.092	84.0888
3	3.217	3718	797	BB	0.070	1.9510

Total area = 190580



Area Percent Report

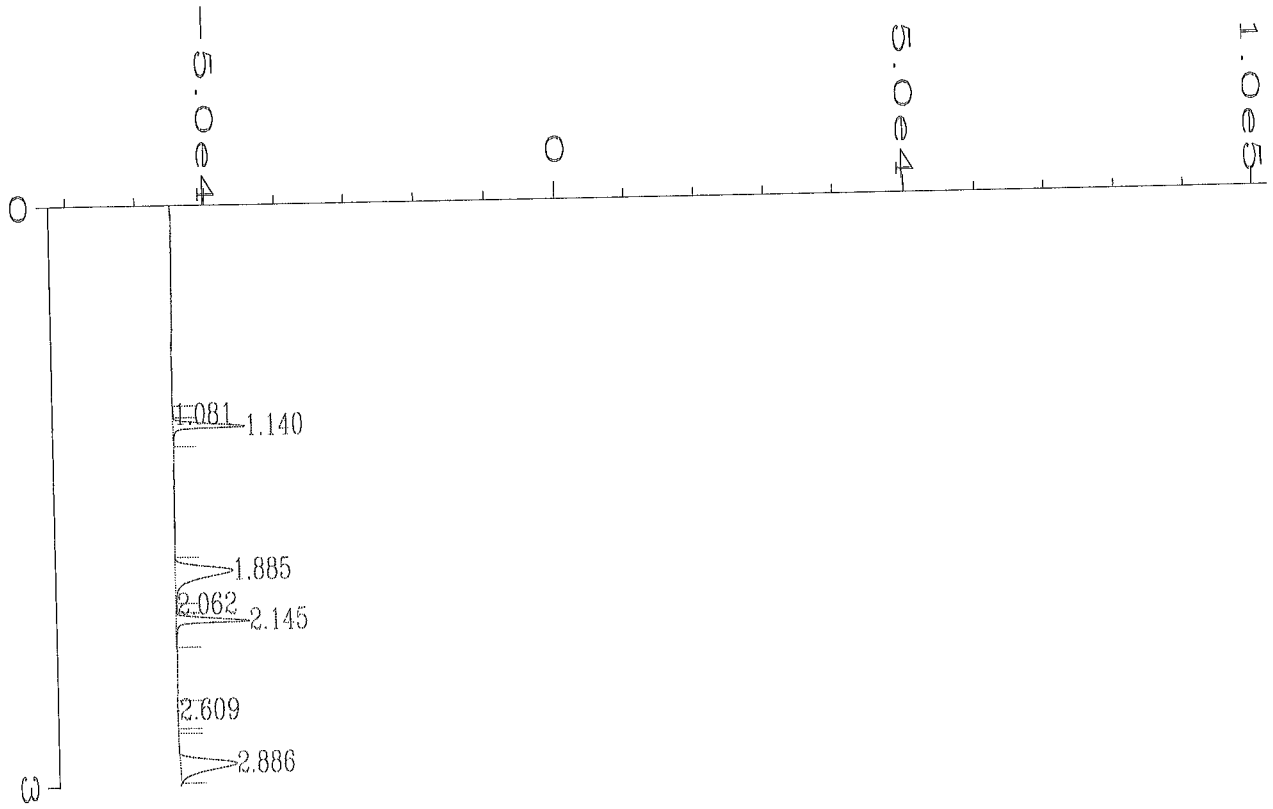
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Operator : SW
Instrument : GCL
Sample Name : T-308
Run Time Bar Code:
Acquired on : 01 Sep 26 06:45 PM
Report Created on: 03 Sep 26 01:31 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614436PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.109	244243	230525	BB S	0.106	93.0408
2	0.168	5961	5089	BV T	0.019	2.2707
3	0.297	9933	3390	PB T	0.046	3.7840
4	2.655	2374	130	BB	0.246	0.9045

Total area = 262512



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614436A.D
Operator : DA
Instrument : GCL
Sample Name : T-308
Run Time Bar Code:
Acquired on : 08 Sep 26 04:11 PM
Report Created on: 09 Aug 26 12:51 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614436A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.081	303	144	PV	0.030	0.3049
2	1.140	16567	10354	VV	0.025	16.6980
3	1.885	34125	8205	PV	0.064	34.3956
4	2.062	463	187	VV	0.041	0.4668
5	2.145	17014	10697	VV	0.038	17.1487
6	2.609	256	318	BV	0.036	0.2584
7	2.886	30486	7987	PBA	0.060	30.7276

Total area = 99214

Sample Data Packages

SDG Number 226144

Lab Id Number 37

Client ID T-309

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 37

File Name: 2614437A
Description: T-309
Can/Tube#: 647
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:17
Date Analyzed: 09/01/26 **Time:** 18:51
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.505	0.540	ND	5,049	5,403	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.43	664	711	184,286	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.07	133	142	664	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614437A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	37		SF:	2	
Description:	T-309		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 11:17	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 18:51	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	647				
Can Factor	1.33				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	31235
7727-37-9	Nitrogen	03	2.05	2.02	163344
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		243

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

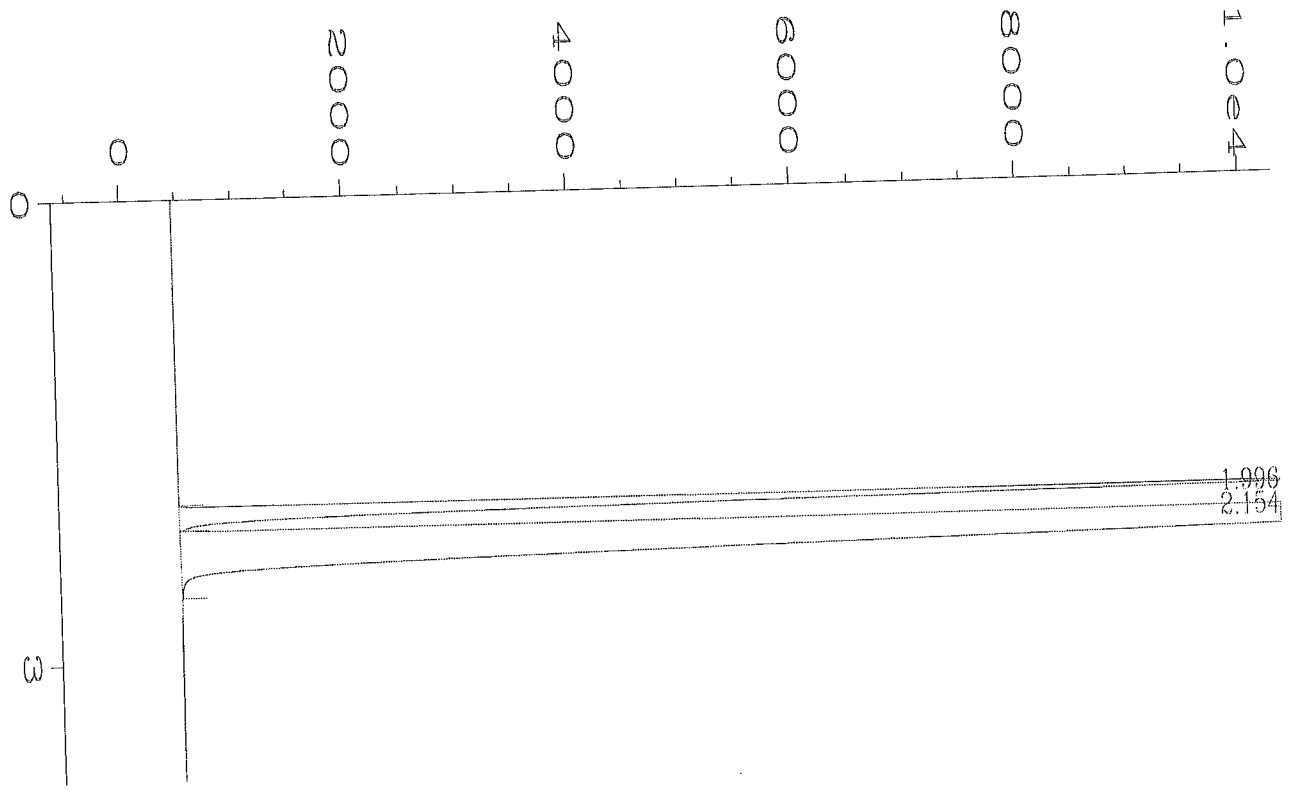
SDG: 226144
Laboratory Number: 37

File Name:	2614437A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.33				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.33		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.505	0.540	0.505	0.540	5,049	5,403	U
Oxygen	32.00	18.43	18.43	18.43	184,286	18.43	18.43	500	0.066	0.071	0.066	0.071	664	711	
Nitrogen	28.01	81.51	81.51	81.51	815,050	81.51	81.51	1000	0.133	0.142	0.133	0.142	1,329	1,422	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	133	142	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	133	142	U
Carbon Dioxide	44.01	0.07	0.07	0.07	664	0.07	0.07	100	0.013	0.014	0.013	0.014	133	142	
Sum - N2		18.49	100.00												
Sum		100.0													
Total Nitrogen		88.92													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

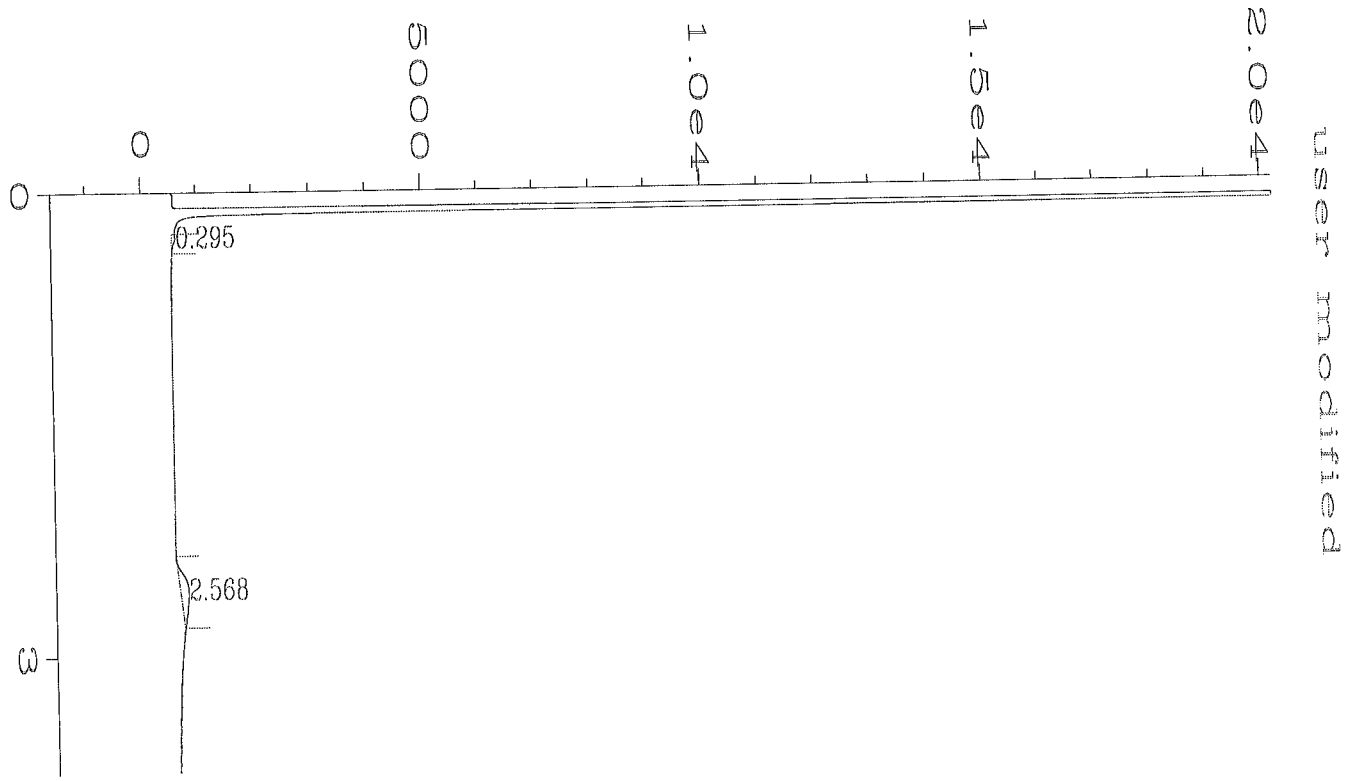
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614437MA.D
Operator : SW
Instrument : GCL
Sample Name : T-309
Run Time Bar Code:
Acquired on : 01 Sep 26 06:51 PM
Report Created on: 03 Sep 26 01:31 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614437MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.996	31235	11326	BV	0.046	16.0527
2	2.154	163344	22490	VB	0.096	83.9473

Total area = 194579



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614437PA.D
Operator : SW
Instrument : GCL
Sample Name : T-309
Run Time Bar Code:
Acquired on : 01 Sep 26 06:51 PM
Report Created on: 03 Sep 26 01:32 PM

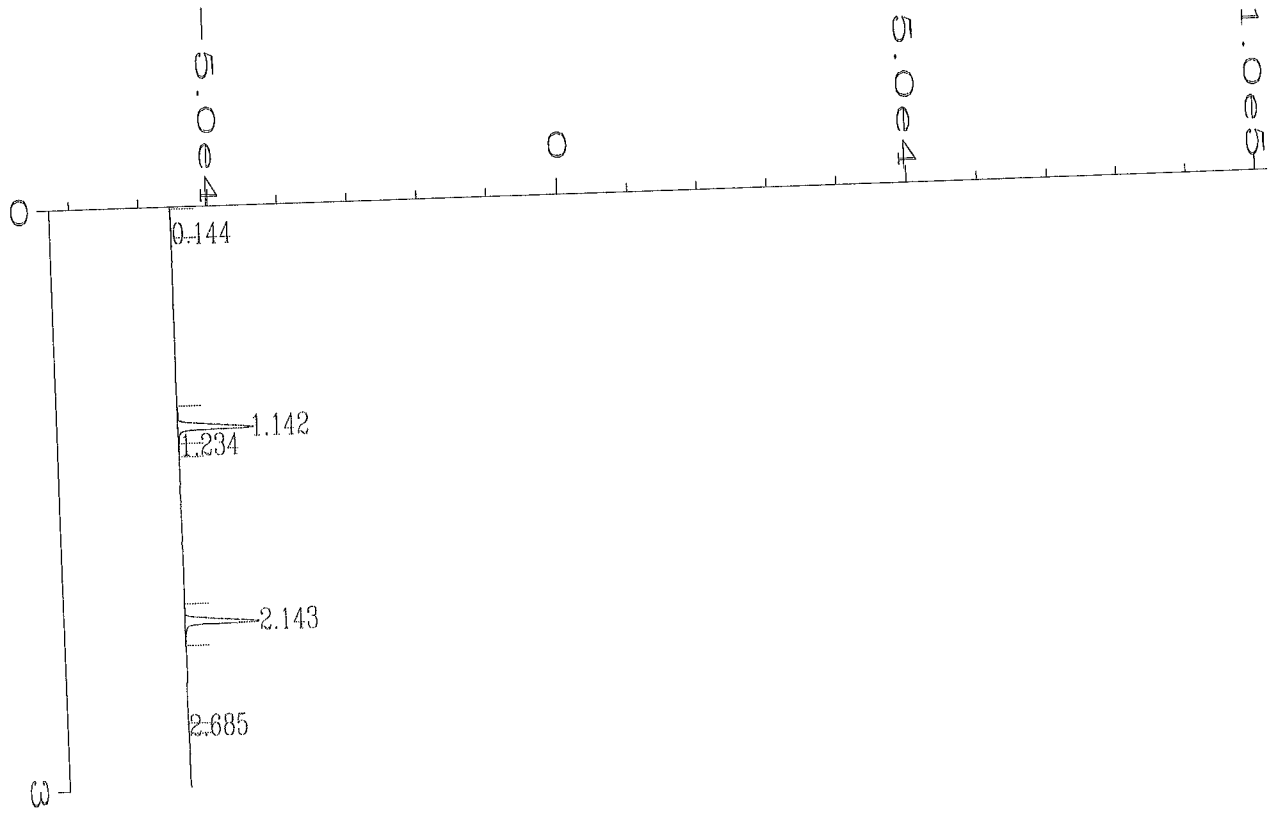
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614437PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.295	243	63	MM	0.065	9.9124
2	2.568	2211	150	BB	0.212	90.0876

Total area = 2454

User Modified



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614437A.D
Operator : DA
Instrument : GCL
Sample Name : T-309
Run Time Bar Code:
Acquired on : 08 Sep 26 04:20 PM
Report Created on: 09 Aug 26 12:52 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614437A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.144	207	58	BV	0.046	0.5734
2	1.142	17915	11055	PV	0.041	49.6040
3	1.234	216	112	VV	0.032	0.5985
4	2.143	17740	10820	PV	0.026	49.1185
5	2.685	38	102	PV	0.014	0.1057

Total area = 36116

Sample Data Packages

SDG Number 226144

Lab Id Number 38

Client ID T-310

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 38

File Name: 2614438A
Description: T-310
Can/Tube#: 654
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:22
Date Analyzed: 09/01/26 **Time:** 18:56
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.516	0.552	ND	5,162	5,524	ND	ND
7782-44-7	Oxygen	0.068	0.073	18.02	679	727	180,243	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	136	145	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614438A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	38		SF:	2	
Description:	T-310		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 11:22	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 18:56	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	654				
Can Factor	1.36				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29880
7727-37-9	Nitrogen	03	2.05	2.02	165107
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

Laboratory Number: 38

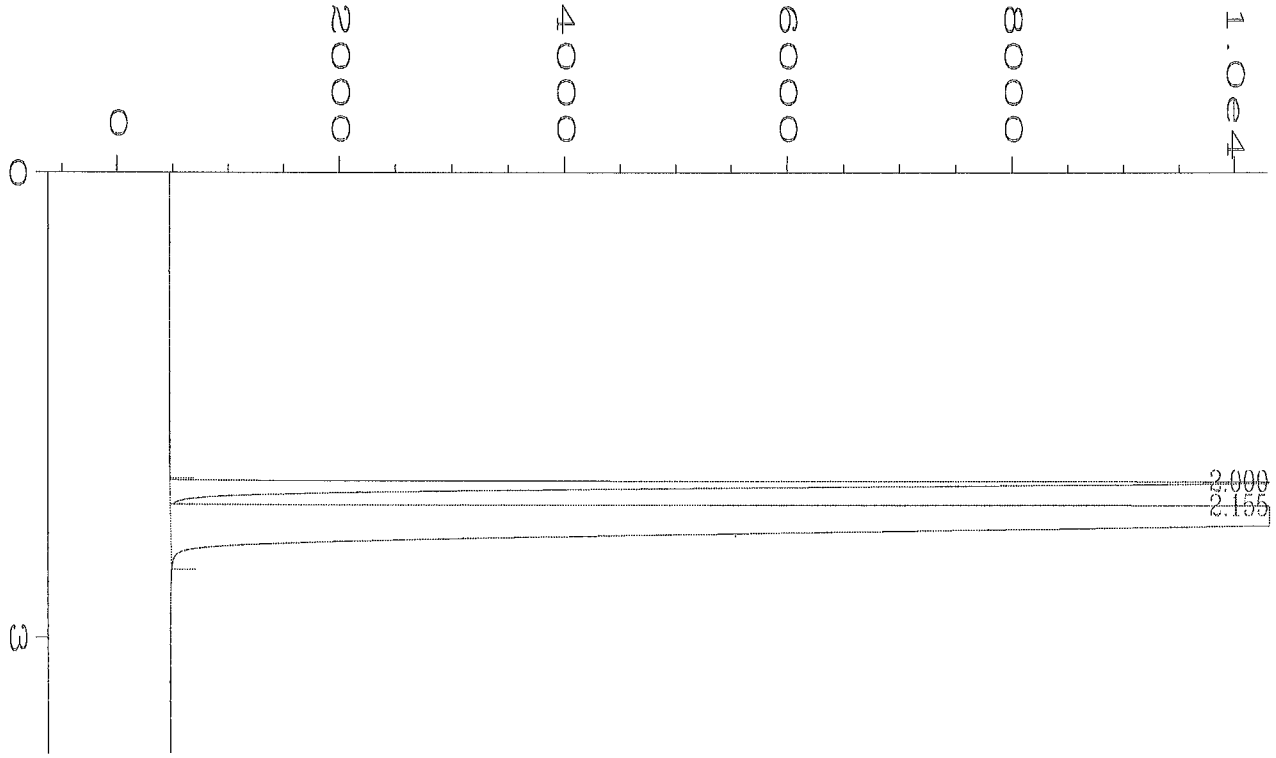
File Name:	2614438A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.36				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.36		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.516	0.552	0.516	0.552	5,162	5,524	U
Oxygen	32.00	18.02	18.02	18.02	180,243	18.02	18.02	500	0.068	0.073	0.068	0.073	679	727	
Nitrogen	28.01	81.98	81.98	81.98	819,757	81.98	81.98	1000	0.136	0.145	0.136	0.146	1,358	1,454	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	136	145	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	136	145	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	136	145	U
Sum - N2		18.02	100.00												
Sum		100.0													
Total Nitrogen		91.90													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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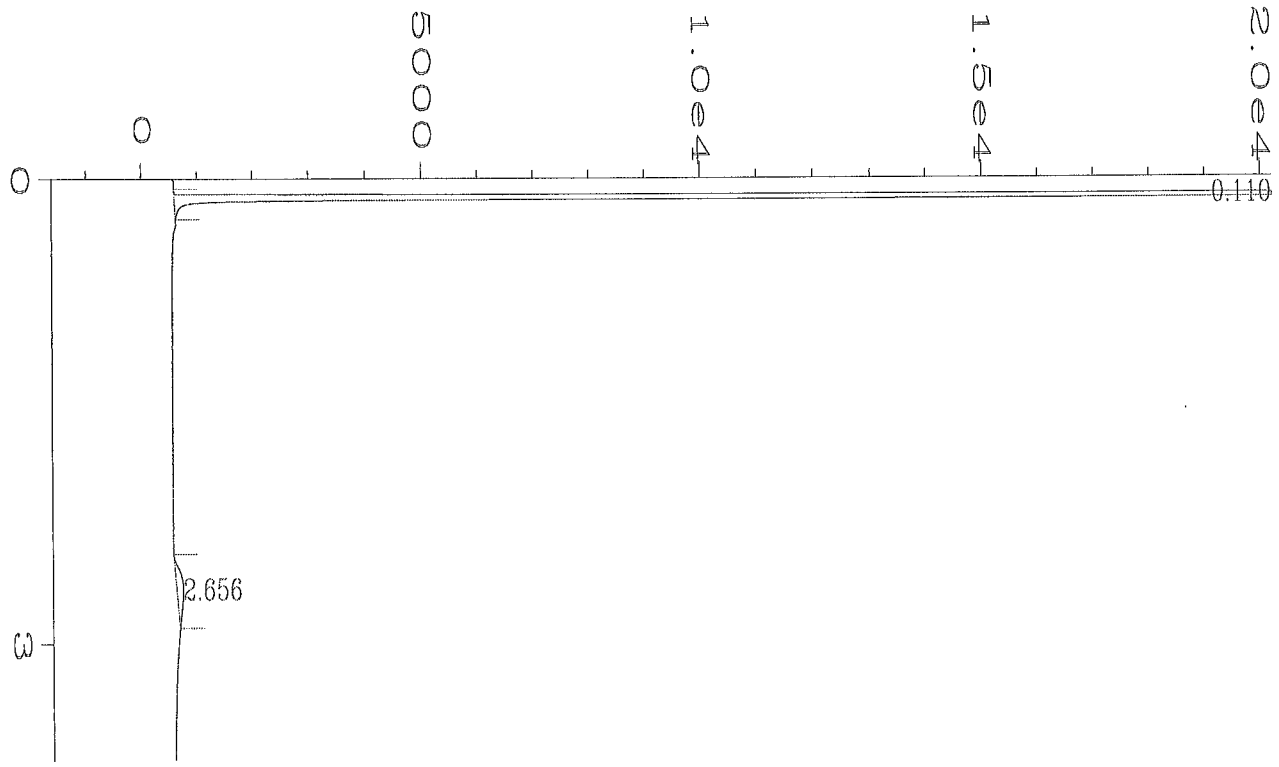
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Operator : SW Page Number : 1
Instrument : GCL Vial Number :
Sample Name : T-310 Injection Number :
Run Time Bar Code: Sequence Line :
Acquired on : 01 Sep 26 06:56 PM Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:32 PM Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614438MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.000	29880	11023	BV	0.036	15.3243
2	2.155	165107	22564	VB	0.101	84.6757

Total area = 194988

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614438PA.D
Operator : SW
Instrument : GCL
Sample Name : T-310
Run Time Bar Code:
Acquired on : 01 Sep 26 06:56 PM
Report Created on: 03 Sep 26 01:32 PM

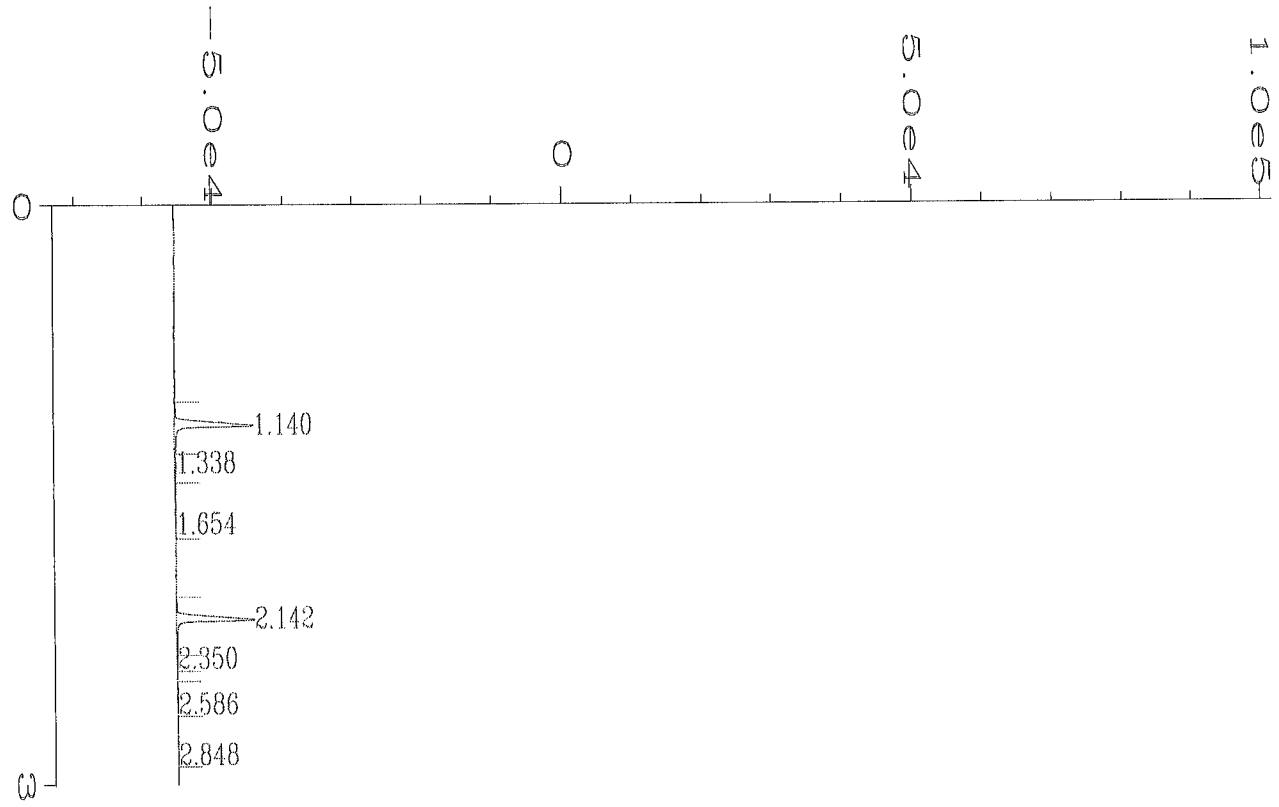
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614438PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	250995	245258	BB S	0.016	99.2409
2	2.656	1920	114	BB	0.261	0.7591

Total area = 252915

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614438A.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-310
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 05:16 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:52 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614438A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.140	20419	11321	BV	0.028	46.5655
2	1.338	1320	190	PV	0.108	3.0104
3	1.654	1287	80	VV	0.200	2.9355
4	2.142	19372	10768	PV	0.028	44.1774
5	2.350	322	89	VV	0.062	0.7333
6	2.586	568	115	VV	0.077	1.2958
7	2.848	562	112	VV	0.064	1.2820

Total area = 43850

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 39

Client ID T-311

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 39

File Name: 2614439A
Description: T-311
Can/Tube#: 605
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:15
Date Analyzed: 09/01/26 **Time:** 19:02
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.530	0.567	ND	5,302	5,673	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.49	698	746	184,873	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	149	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	140	149	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614439A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	39		SF:	2	
Description:	T-311		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 11:15	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:02	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	605				
Can Factor	1.40				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29842
7727-37-9	Nitrogen	03	2.05	2.02	168827
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

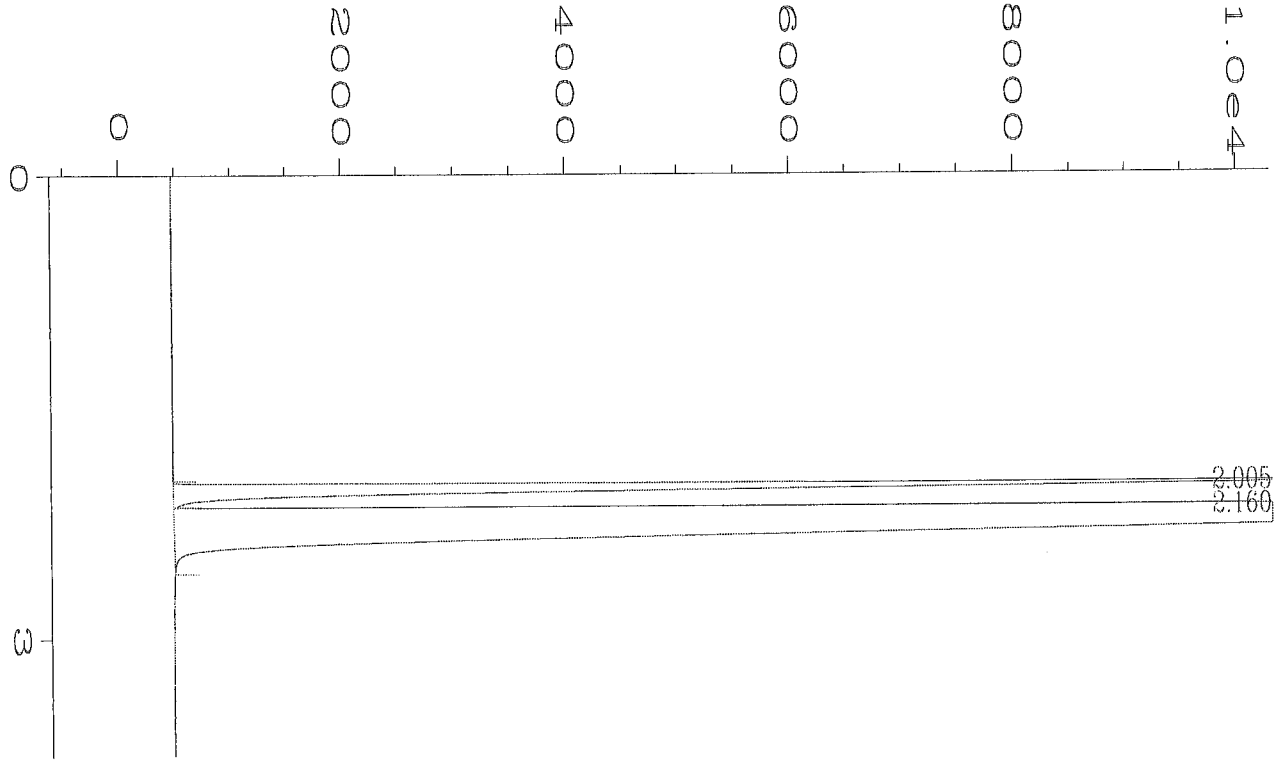
SDG: 226144
Laboratory Number: 39

File Name:	2614439A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.40				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.40		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.530	0.567	0.530	0.567	5,302	5,673	U
Oxygen	32.00	18.49	18.49	18.49	184,873	18.49	18.49	500	0.070	0.075	0.070	0.075	698	746	
Nitrogen	28.01	81.51	81.51	81.51	815,127	81.51	81.51	1000	0.140	0.149	0.140	0.150	1,395	1,493	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	149	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	149	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	149	U
Sum - N2		18.49	100.00												
Sum		100.0													
Total Nitrogen		96.51													

490-6188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614439MA.D
Operator : SW
Instrument : GCL
Sample Name : T-311
Run Time Bar Code:
Acquired on : 01 Sep 26 07:02 PM
Report Created on: 03 Sep 26 01:32 PM

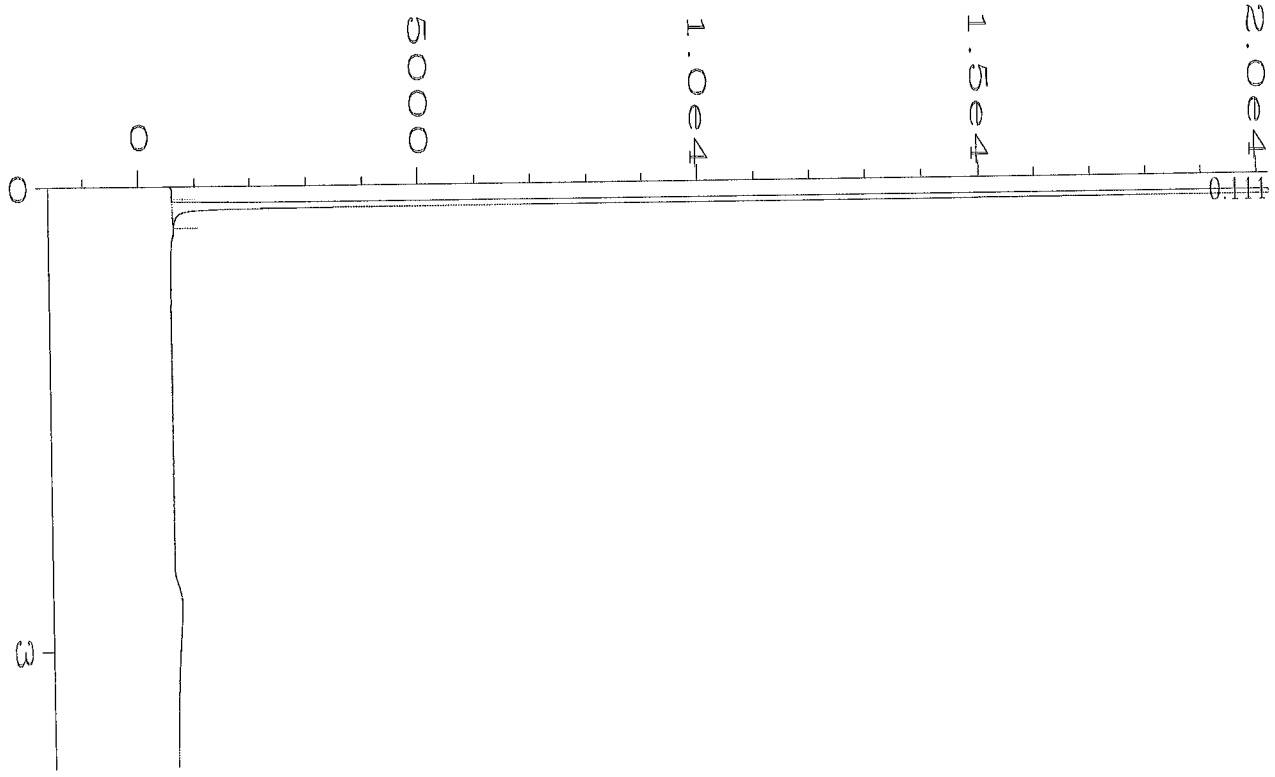
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614439MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.005	29842	11452	BV	0.035	15.0212
2	2.160	168827	22783	VB	0.100	84.9788

Total area = 198669

==========



Area Percent Report

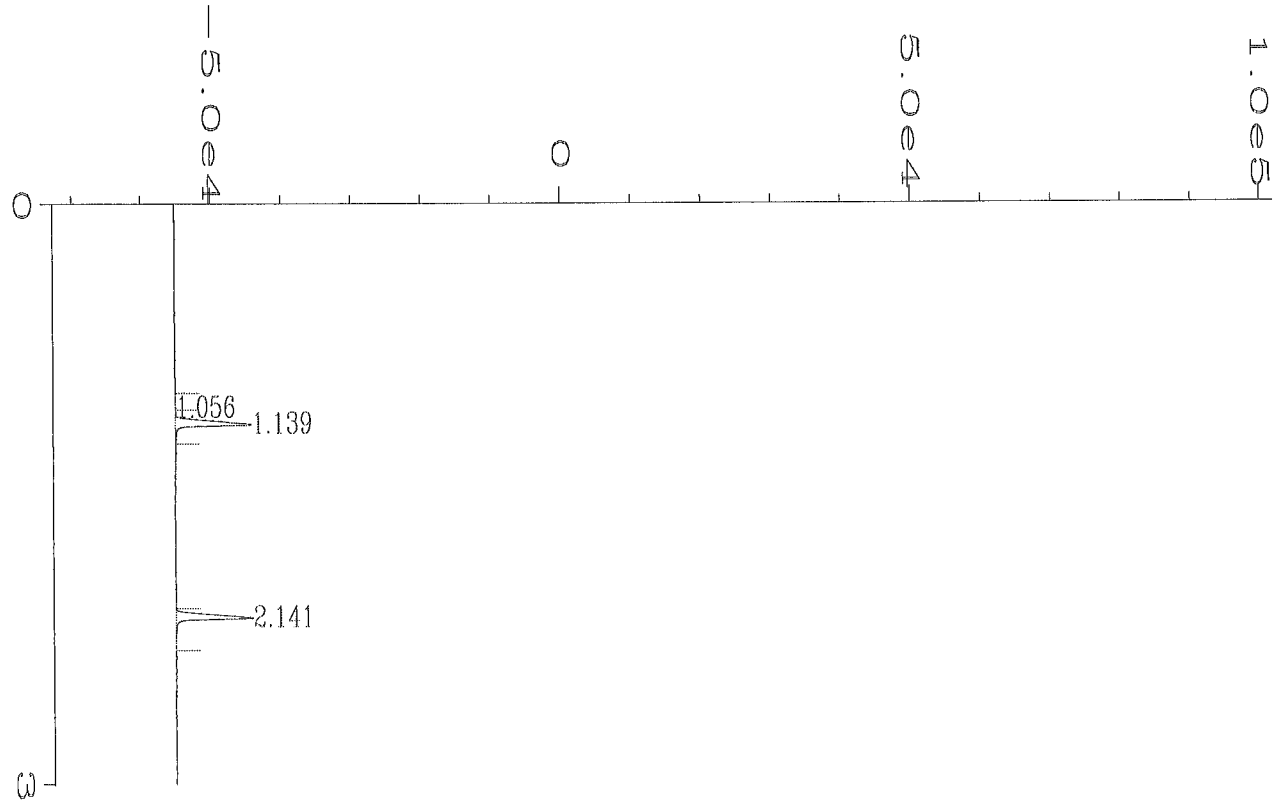
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614439PA.D
Operator : SW
Instrument : GCL
Sample Name : T-311
Run Time Bar Code:
Acquired on : 01 Sep 26 07:02 PM
Report Created on: 03 Sep 26 01:32 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614439PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	259304	256665	BB S	0.016	100.0000

Total area = 259304



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614439A.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-311
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 05:20 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:52 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614439A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.056	79	59	PV	0.022	0.2233
2	1.139	17547	11043	PV	0.025	49.5984
3	2.141	17752	10951	VV	0.025	50.1782

Total area = 35377

Sample Data Packages

SDG Number **226144**

Lab Id Number **40**

Client ID T-312

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 40

File Name: 2614440A
Description: T-312
Can/Tube#: 730
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:23
Date Analyzed: 09/01/26 **Time:** 19:08
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.534	0.571	ND	5,344	5,718	ND	ND
7782-44-7	Oxygen	0.070	0.075	17.99	703	752	179,899	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	150	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614440A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	40		SF:	2	
Description:	T-312		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 11:23	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:08	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	730				
Can Factor	1.41				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**28807**
7727-37-9	Nitrogen	03	2.05	2.02	**167041**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

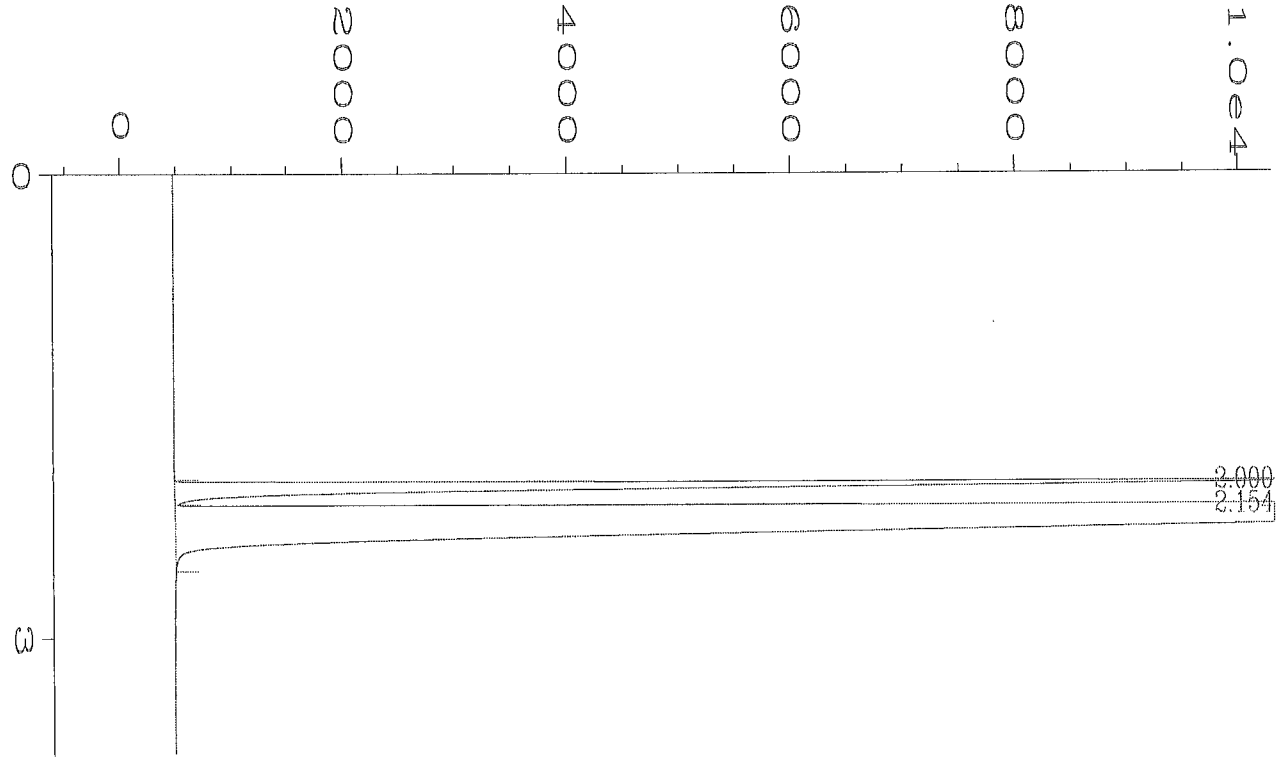
Laboratory Number: 40

File Name:	2614440A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.41				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.41		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.534	0.572	0.534	0.571	5,344	5,718	U
Oxygen	32.00	17.99	17.99	17.99	179,899	17.99	17.99	500	0.070	0.075	0.070	0.075	703	752	
Nitrogen	28.01	82.01	82.01	82.01	820,101	82.01	82.01	1000	0.141	0.150	0.141	0.151	1,406	1,505	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	150	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	150	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	150	U
Sum - N2		17.99	100.00												
Sum		100.0													
Total Nitrogen		96.25													

4488 1883

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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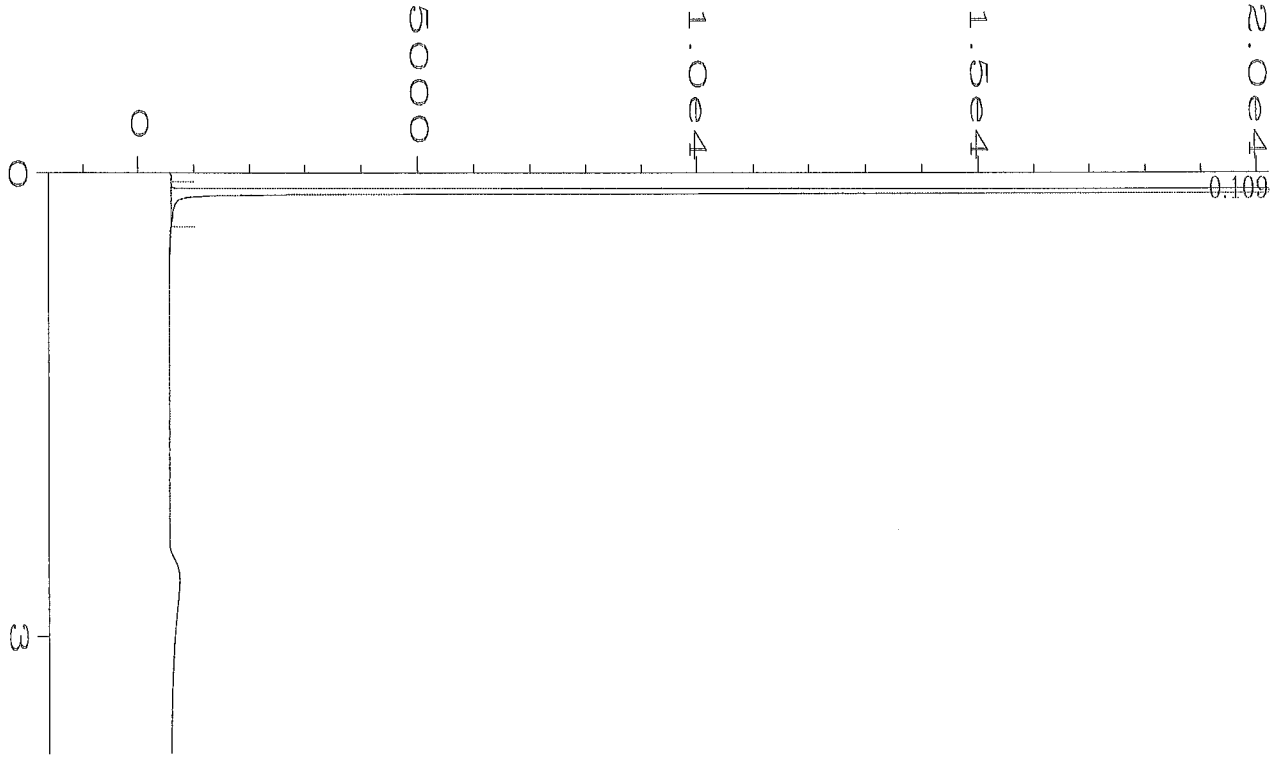
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Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-312
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 07:08 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:33 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614440MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.000	28807	10792	BV	0.044	14.7089
2	2.154	167041	22741	VB	0.098	85.2911

Total area = 195848

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614440PA.D
Operator : SW
Instrument : GCL
Sample Name : T-312
Run Time Bar Code:
Acquired on : 01 Sep 26 07:08 PM
Report Created on: 03 Sep 26 01:33 PM

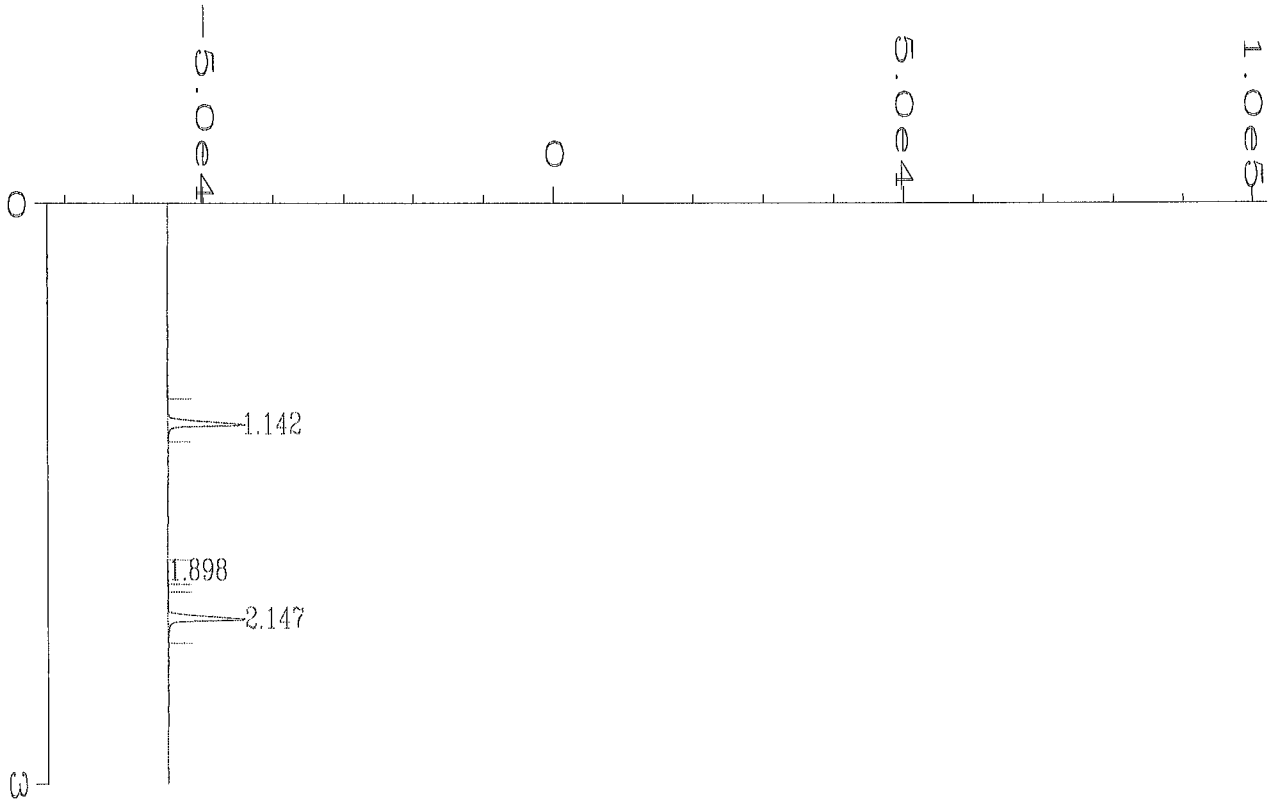
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614440PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.109	249486	236911	BB S	0.039	100.0000

Total area = 249486

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614440A.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-312
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 05:23 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 12:53 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614440A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.142	18349	11502	PV	0.034	49.5904
2	1.898	339	124	PV	0.046	0.9174
3	2.147	18312	11180	VV	0.025	49.4922

Total area = 37001

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Sample Data Packages

SDG Number **226144**

Lab Id Number **41**

Client ID T-313

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 41

File Name: 2614441A
Description: T-313
Can/Tube#: 766
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:26
Date Analyzed: 09/01/26 **Time:** 19:13
Can Dilution Factor: 1.37

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.519	0.555	ND	5,192	5,555	ND	ND
7782-44-7	Oxygen	0.068	0.073	17.95	683	731	179,525	
630-08-0	Carbon Monoxide	0.014	0.015	ND	137	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	137	146	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614441A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	41		SF:	2	
Description:	T-313		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 11:26	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:13	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	766				
Can Factor	1.37				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29593
7727-37-9	Nitrogen	03	2.05	2.02	165903
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

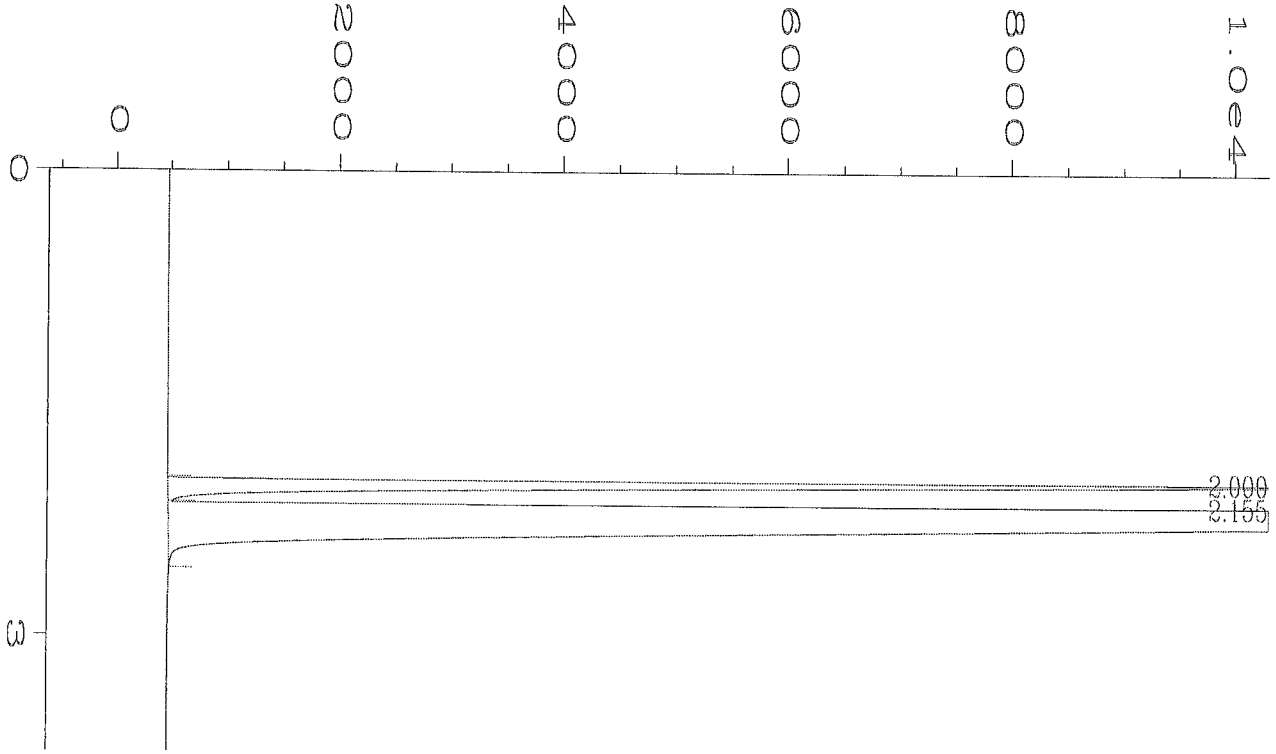
Laboratory Number: 41

File Name:	2614441A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.37				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.37		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.519	0.555	0.519	0.555	5,192	5,555	U
Oxygen	32.00	17.95	17.95	17.95	179,525	17.95	17.95	500	0.068	0.073	0.068	0.073	683	731	
Nitrogen	28.01	82.05	82.05	82.05	820,475	82.05	82.05	1000	0.137	0.146	0.137	0.147	1,366	1,462	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	137	146	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	137	146	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	137	146	U
Sum - N2		17.95	100.00												
Sum		100.0													
Total Nitrogen		92.87													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614441MA.D
Operator : SW
Instrument : GCL
Sample Name : T-313
Run Time Bar Code:
Acquired on : 01 Sep 26 07:13 PM
Report Created on: 03 Sep 26 01:33 PM

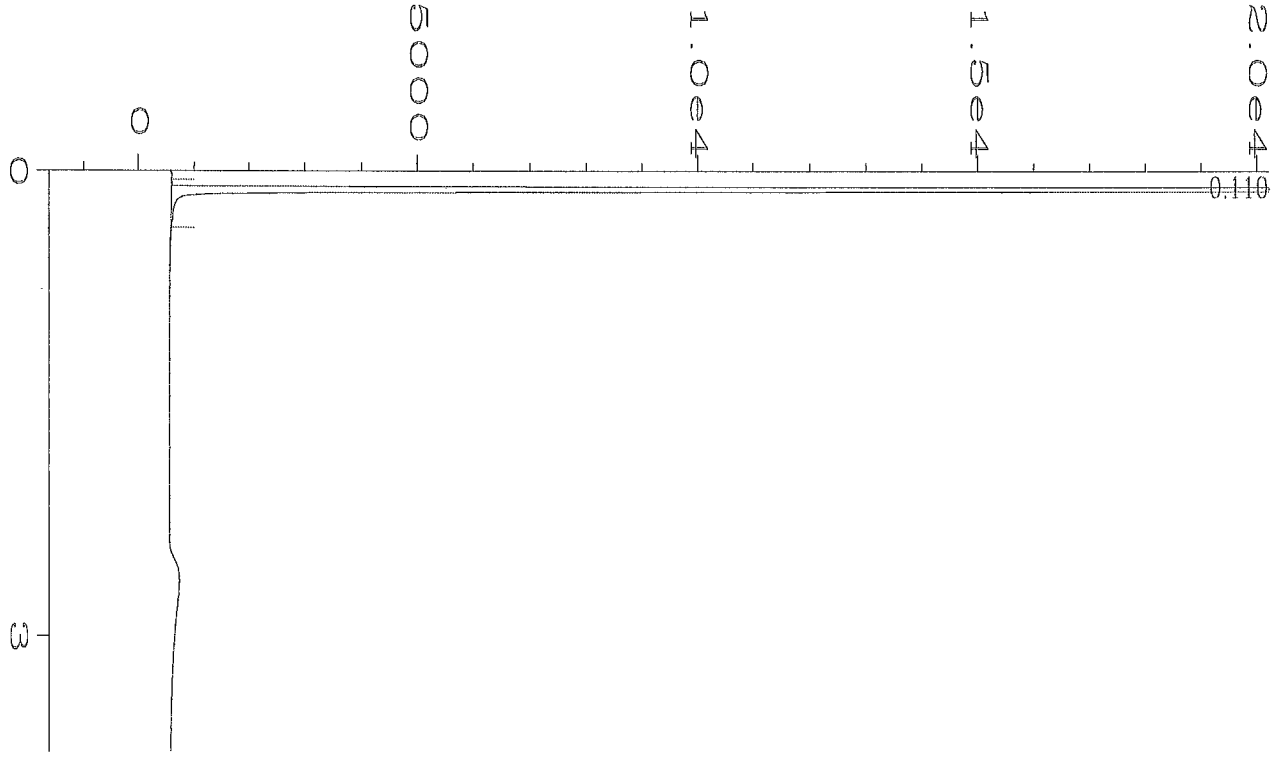
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614441MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.000	29593	10936	BV	0.036	15.1376
2	2.155	165903	22789	VB	0.096	84.8624

Total area = 195497

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Area Percent Report

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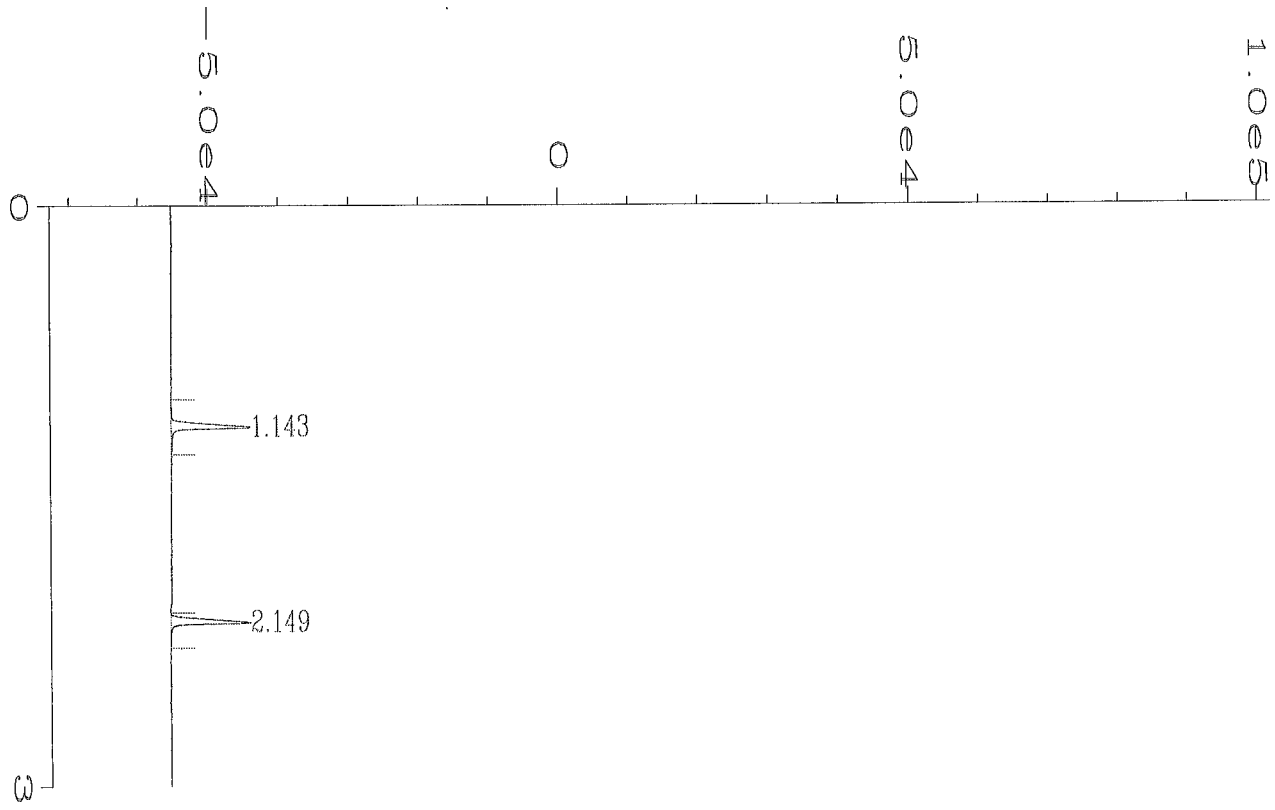
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614441PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-313
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 07:13 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:33 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614441PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	248797	242205	BB S	0.016	100.0000

Total area = 248797

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614441A.D
Operator : SW
Instrument : GCL
Sample Name : T-313
Run Time Bar Code:
Acquired on : 08 Sep 26 05:27 PM
Report Created on: 09 Aug 26 12:53 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614441A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.143	19143	11408	PV	0.026	51.6069
2	2.149	17951	11700	PV	0.038	48.3931

Total area = 37094

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Sample Data Packages

SDG Number **226144**

Lab Id Number **42**

Client ID T-314

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 42

File Name: 2614442A
Description: T-314
Can/Tube#: 662
QC_Batch: 090126-GCO

Date Sampled: 07/22/26 **Time:** 11:30
Date Analyzed: 09/01/26 **Time:** 19:19
Can Dilution Factor: 1.35

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.514	0.550	ND	5,138	5,497	ND	ND
7782-44-7	Oxygen	0.068	0.073	18.58	676	723	185,827	
630-08-0	Carbon Monoxide	0.014	0.015	ND	135	145	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	135	145	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614442A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	42		SF:	2	
Description:	T-314		Not Detected Flag:	ND	
Date Sampled:	07/22/26	Time: 11:30	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:19	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	662				
Can Factor	1.35				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**30953**
7727-37-9	Nitrogen	03	2.05	2.02	**169296**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 42

File Name:	2614442A
QCBatch	090126-GCO
Can Factor	1.35
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.35
Gas Constant:	24.4
Decimal Places:	2

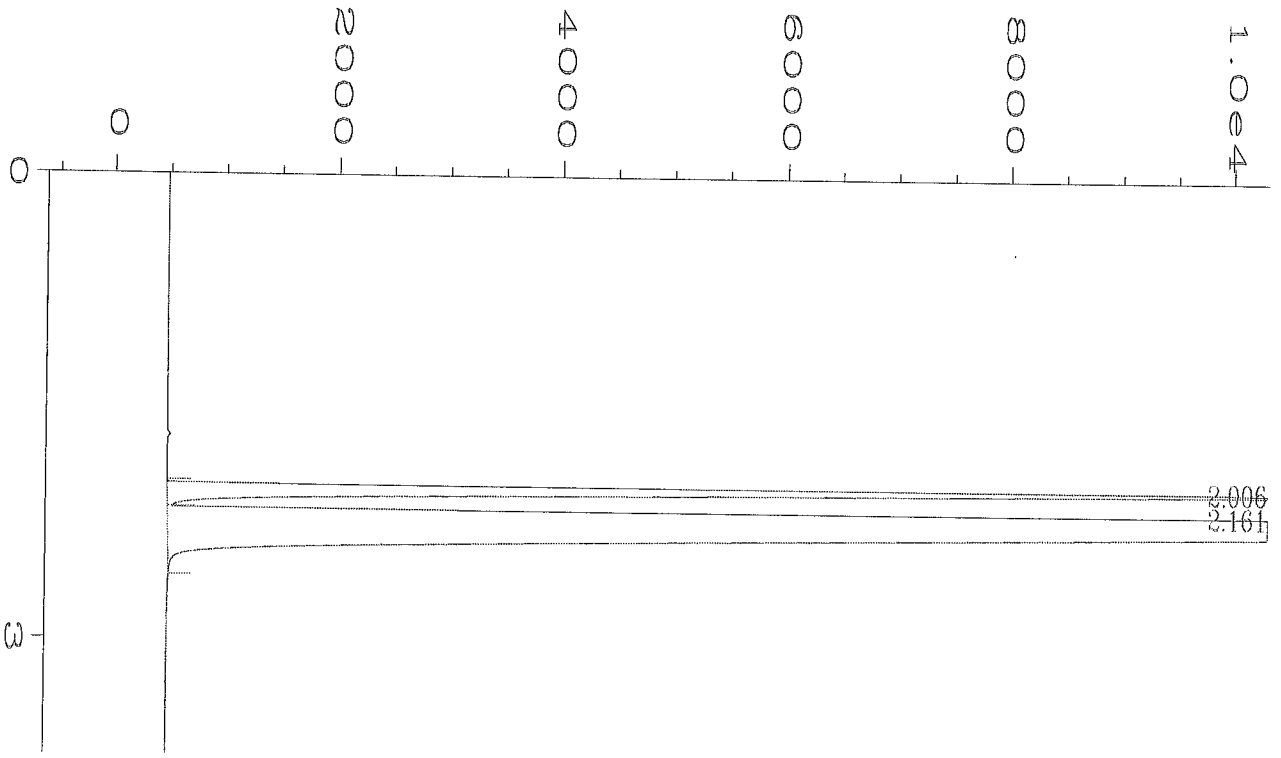
Detect Flag: ND
Report Normalized: No

Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.514	0.550	0.514	0.550	5,138	5,497	U
Oxygen	32.00	18.58	18.58	18.58	185,827	18.58	18.58	500	0.068	0.072	0.068	0.073	676	723	
Nitrogen	28.01	81.42	81.42	81.42	814,173	81.42	81.42	1000	0.135	0.145	0.135	0.144	1,352	1,447	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.014	0.014	0.015	135	145	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.014	0.014	0.015	135	145	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.014	0.014	0.015	135	145	U
Sum - N2		18.58	100.00												
Sum		100.0													
Total Nitrogen		93.78													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

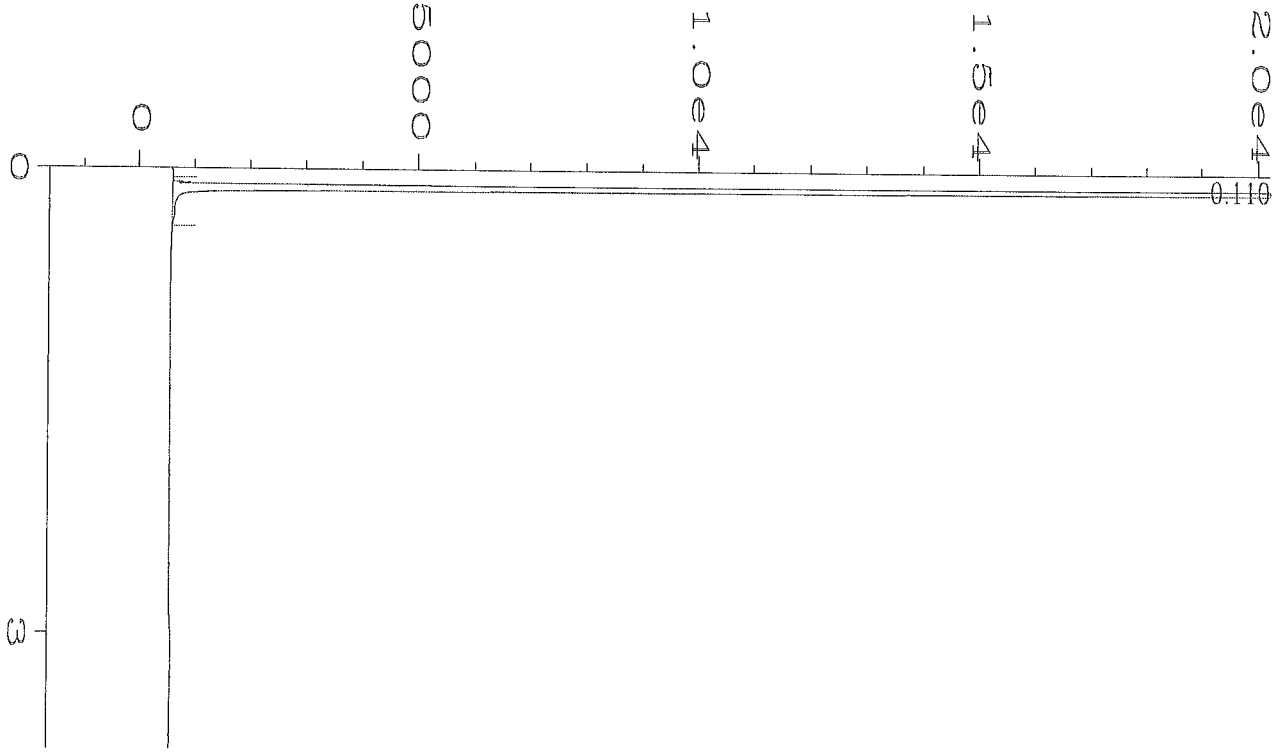
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614442MA.D
Operator : SW
Instrument : GCL
Sample Name : T-314
Run Time Bar Code:
Acquired on : 01 Sep 26 07:19 PM
Report Created on: 03 Sep 26 01:33 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614442MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.006	30953	11220	BV	0.046	15.4572
2	2.161	169296	22978	VB	0.097	84.5428

Total area = 200248



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614442PA.D
Operator : SW
Instrument : GCL
Sample Name : T-314
Run Time Bar Code:
Acquired on : 01 Sep 26 07:19 PM
Report Created on: 03 Sep 26 01:34 PM

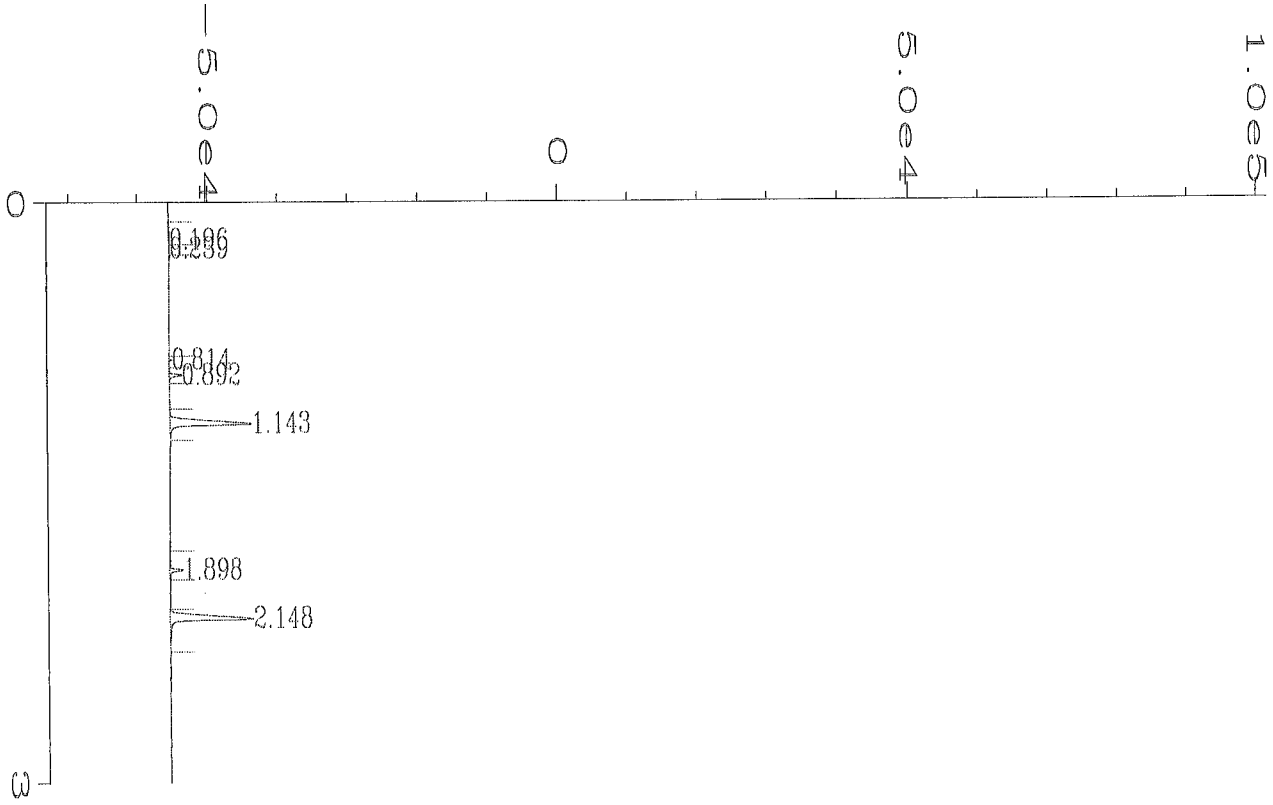
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614442PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	254380	246569	BB S	0.016	100.0000

Total area = 254380

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614442A.D
Operator : SW
Instrument : GCL
Sample Name : T-314
Run Time Bar Code:
Acquired on : 08 Sep 26 05:30 PM
Report Created on: 09 Aug 26 12:53 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614442A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.196	639	104	PV	0.091	1.4719
2	0.239	138	67	VV	0.034	0.3190
3	0.814	159	408	PV	0.007	0.3671
4	0.892	1564	1875	PV	0.020	3.6029
5	1.143	19167	11866	BV	0.025	44.1507
6	1.898	2102	1929	PV	0.016	4.8418
7	2.148	19643	12427	PV	0.035	45.2465

Total area = 43412

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Sample Data Packages

SDG Number **226144**

Lab Id Number **43**

Client ID T-401

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 43

File Name: 2614443A
Description: T-401
Can/Tube#: 643
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 8:59
Date Analyzed: 09/01/26 **Time:** 19:25
Can Dilution Factor: 1.40

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.532	0.569	ND	5,315	5,687	ND	ND
7782-44-7	Oxygen	0.070	0.075	18.13	699	748	181,326	
630-08-0	Carbon Monoxide	0.014	0.015	ND	140	150	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	140	150	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614443A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	43		SF:	2	
Description:	T-401		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 8:59	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:25	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	643				
Can Factor	1.40				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29195
7727-37-9	Nitrogen	03	2.05	2.02	168553
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

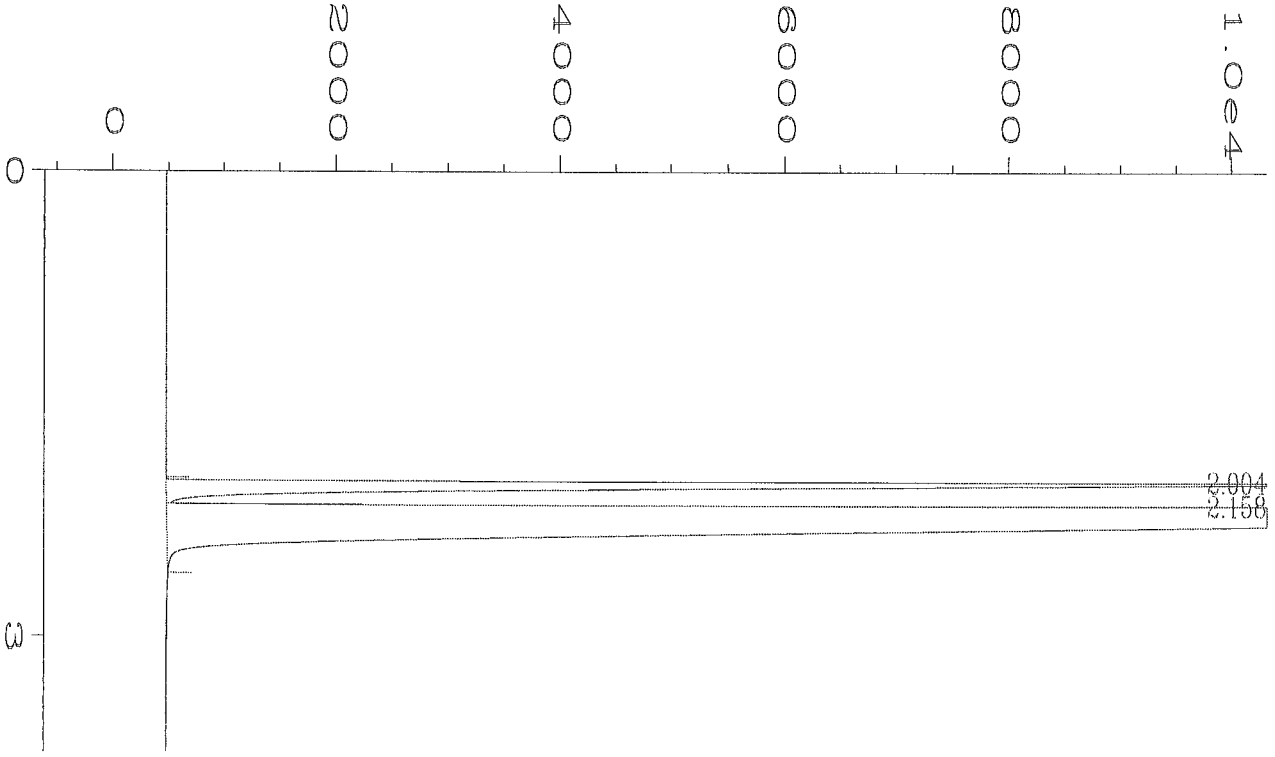
Laboratory Number: 43

File Name:	2614443A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.40				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.40		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.532	0.569	0.532	0.569	5,315	5,687	U
Oxygen	32.00	18.13	18.13	18.13	181,326	18.13	18.13	500	0.070	0.075	0.070	0.075	699	748	
Nitrogen	28.01	81.87	81.87	81.87	818,674	81.87	81.87	1000	0.140	0.150	0.140	0.150	1,399	1,497	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	140	150	U
Sum - N2		18.13	100.00												
Sum		100.0													
Total Nitrogen		96.59													

523-6888

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614443MA.D
Operator : SW
Instrument : GCL
Sample Name : T-401
Run Time Bar Code:
Acquired on : 01 Sep 26 07:25 PM
Report Created on: 03 Sep 26 01:34 PM

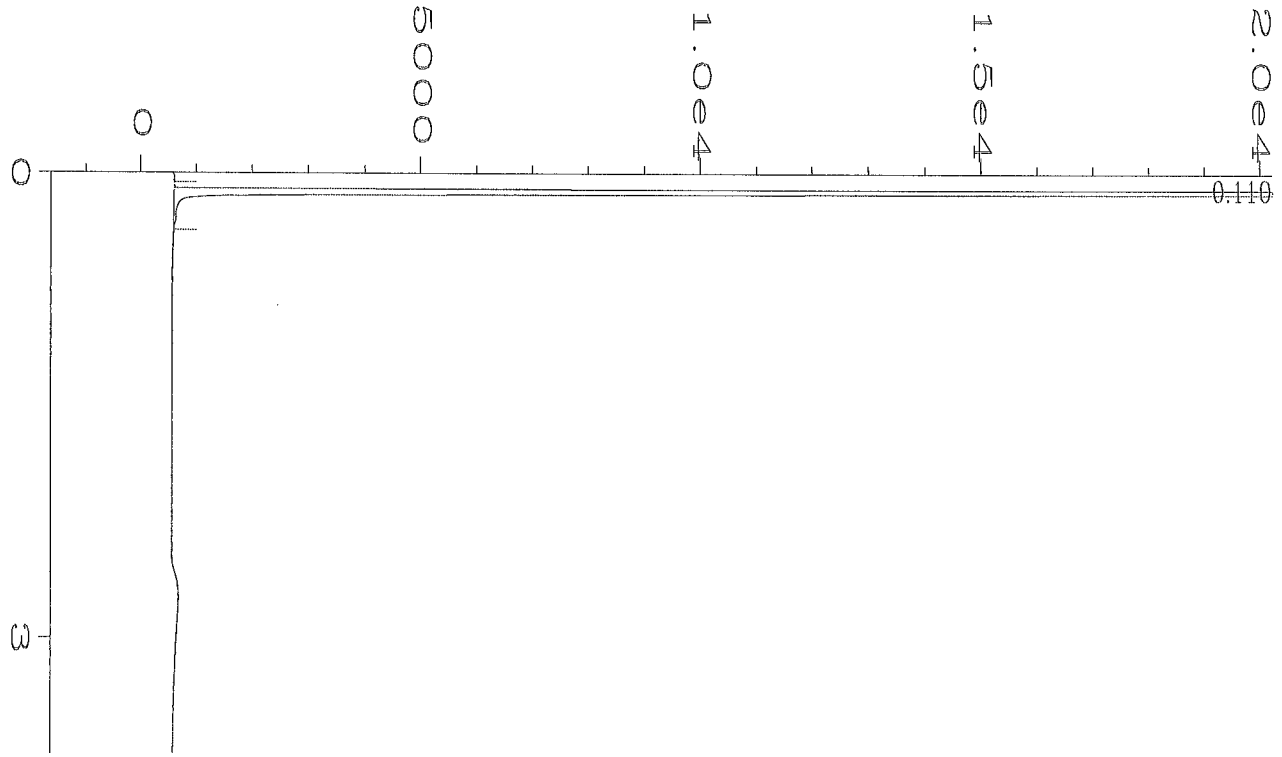
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614443MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.004	29195	11046	BV	0.036	14.7636
2	2.158	168553	22915	VB	0.100	85.2364

Total area = 197747

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Area Percent Report

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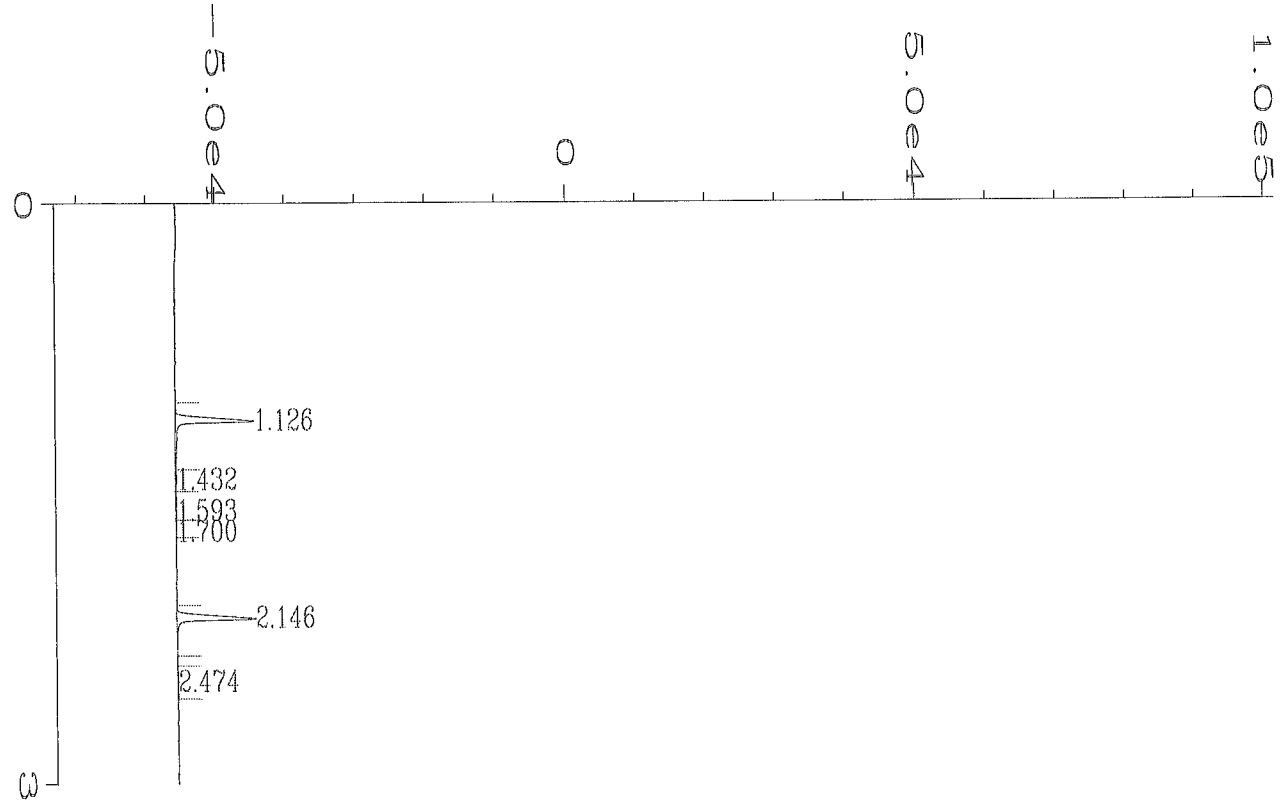
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614443PA.D
Operator : SW Page Number : 1
Instrument : GCL Vial Number :
Sample Name : T-401 Injection Number :
Run Time Bar Code: Sequence Line :
Acquired on : 01 Sep 26 07:25 PM Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:34 PM Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614443PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	253634	247474	BB S	0.040	100.0000

Total area = 253634

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614443A.D
Operator : SW
Instrument : GCL
Sample Name : T-401
Run Time Bar Code:
Acquired on : 08 Sep 26 05:34 PM
Report Created on: 09 Aug 26 12:54 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614443A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.126	20877	11376	VV	0.028	49.3961
2	1.432	804	166	VV	0.066	1.9034
3	1.593	780	113	PV	0.092	1.8466
4	1.700	300	97	VV	0.058	0.7107
5	2.146	18588	11473	PV	0.038	43.9792
6	2.474	915	141	BV	0.097	2.1639

Total area = 42265

Sample Data Packages

SDG Number **226144**

Lab Id Number **44**

Client ID T-402

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 44

File Name: 2614444A
Description: T-402
Can/Tube#: 740
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:00
Date Analyzed: 09/01/26 **Time:** 19:30
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.498	0.533	ND	4,978	5,326	ND	ND
7782-44-7	Oxygen	0.065	0.070	17.62	655	701	176,152	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	140	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.43	131	140	4,290	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614444A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	44		SF:	2	
Description:	T-402		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 9:00	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:30	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	740				
Can Factor	1.31				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**30283**
7727-37-9	Nitrogen	03	2.05	2.02	**164736**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**1592**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

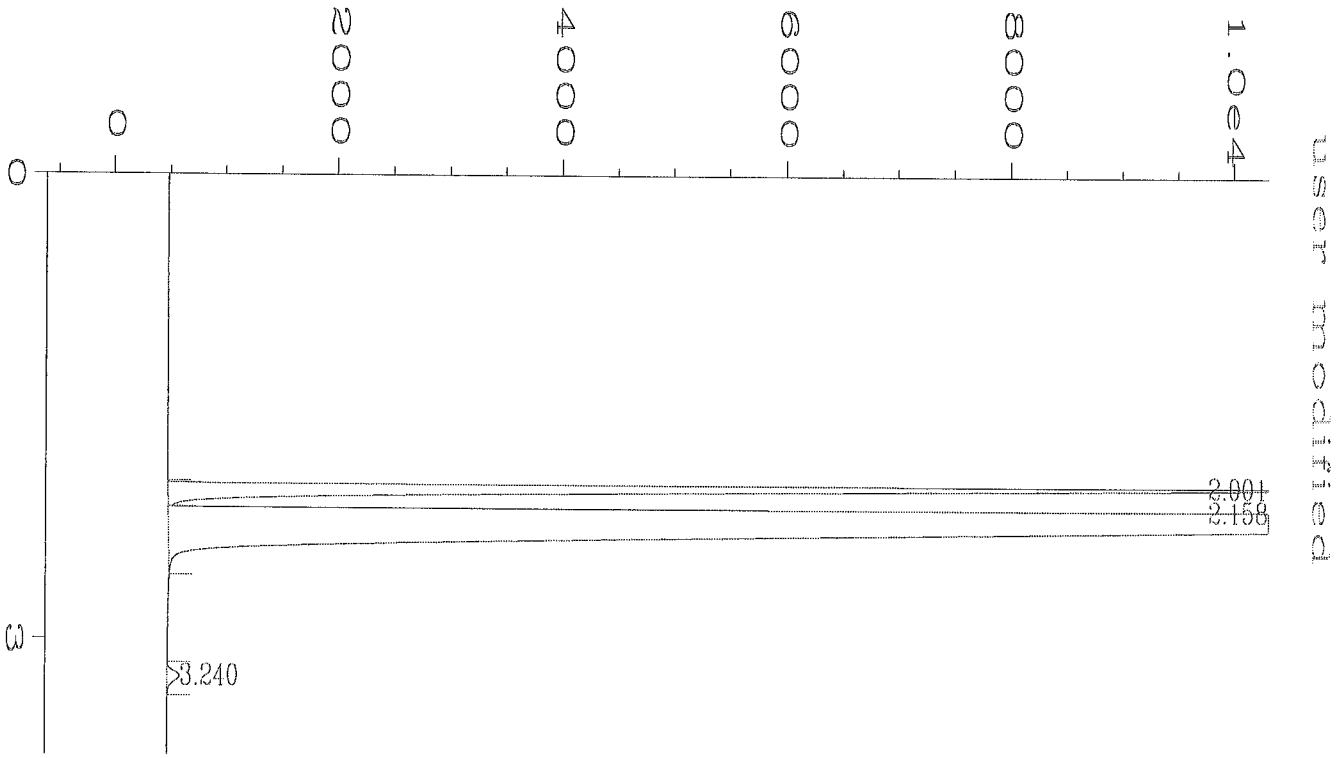
Laboratory Number: 44

File Name:	2614444A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.31				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.31		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.498	0.533	0.498	0.533	4,978	5,326	U
Oxygen	32.00	17.62	17.62	17.62	176,152	17.62	17.62	500	0.065	0.070	0.065	0.070	655	701	
Nitrogen	28.01	81.96	81.96	81.96	819,558	81.96	81.96	1000	0.131	0.140	0.131	0.140	1,310	1,402	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	140	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	140	U
Carbon Dioxide	44.01	0.43	0.43	0.43	4,290	0.43	0.43	100	0.013	0.014	0.013	0.014	131	140	
Sum - N2		18.04	100.00												
Sum		100.0													
Total Nitrogen		88.42													

550615880

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614444MA.D
Operator : SW
Instrument : GCL
Sample Name : T-402
Run Time Bar Code:
Acquired on : 01 Sep 26 07:30 PM
Report Created on: 03 Sep 26 01:34 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

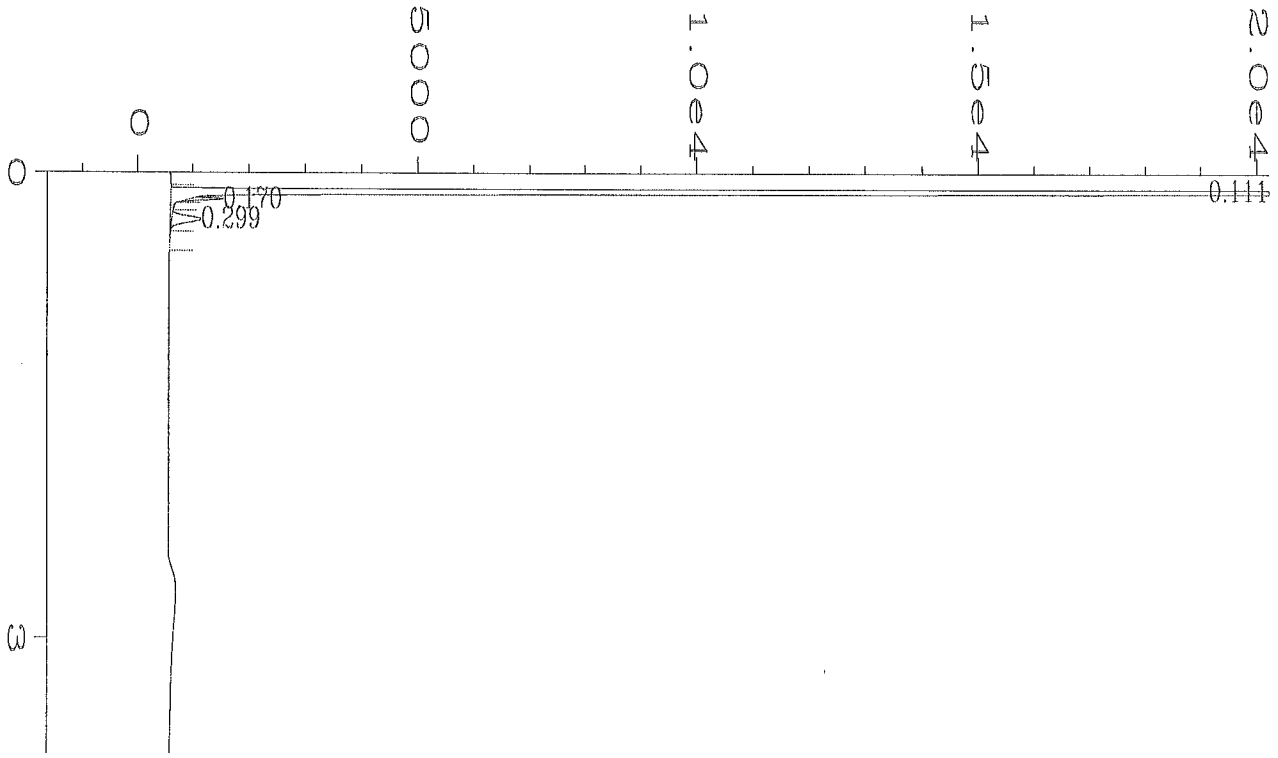
Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614444MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.001	30283	11383	BV	0.036	15.4871
2	2.158	164736	22556	VB	0.096	84.2474
3	3.240	519	112	MM	0.078	0.2655

Total area = 195539

User Modified

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614444PA.D
Operator : SW
Instrument : GCL
Sample Name : T-402
Run Time Bar Code:
Acquired on : 01 Sep 26 07:30 PM
Report Created on: 03 Sep 26 01:35 PM

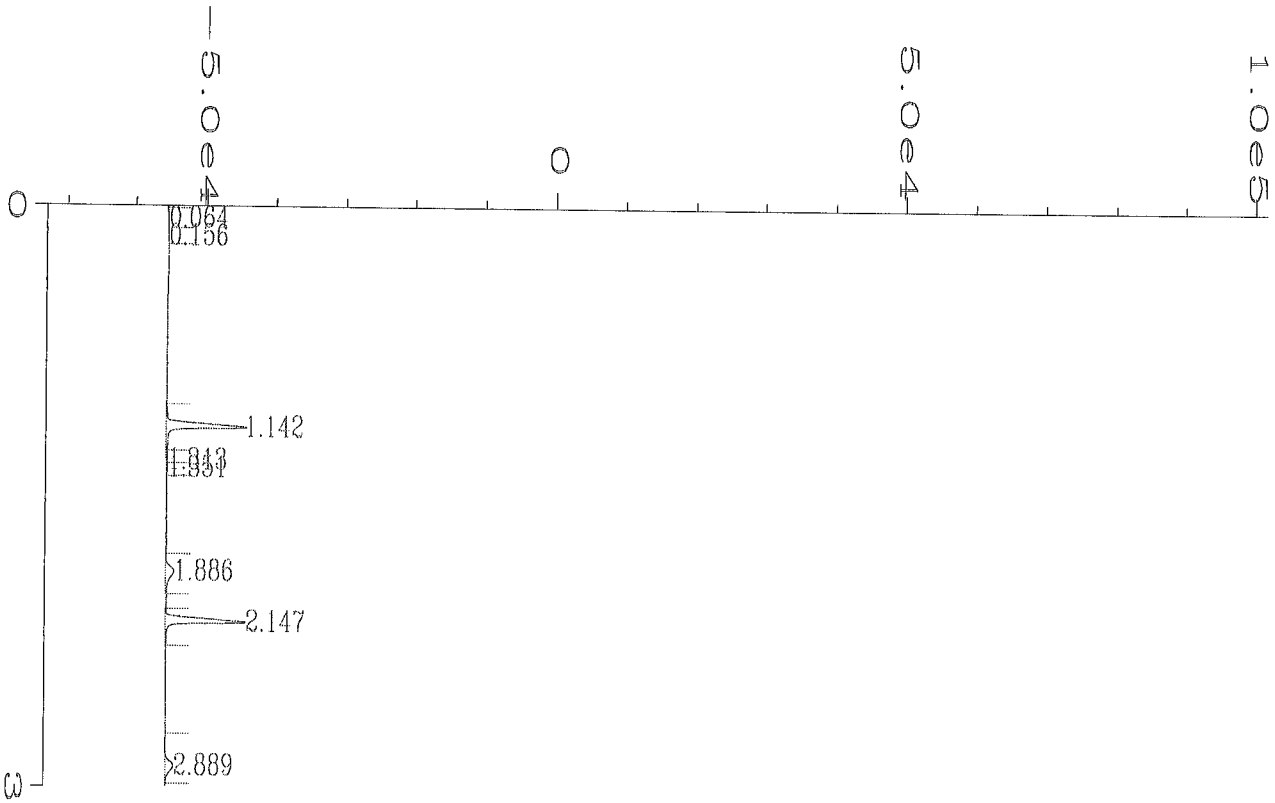
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614444PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	256339	253837	BB S	0.016	99.1581
2	0.170	585	629	BB T	0.015	0.2262
3	0.299	1592	539	BV T	0.047	0.6156

Total area = 258515

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614444A.D
Operator : SW
Instrument : GCL
Sample Name : T-402
Run Time Bar Code:
Acquired on : 08 Sep 26 05:38 PM
Report Created on: 09 Aug 26 12:54 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614444A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.064	320	105	BV	0.040	0.6221
2	0.156	245	85	VV	0.043	0.4756
3	1.142	20833	11950	BV	0.034	40.4356
4	1.313	657	185	VV	0.048	1.2750
5	1.351	625	210	VV	0.050	1.2139
6	1.886	5645	1214	VV	0.065	10.9572
7	2.147	19261	11558	VV	0.026	37.3844
8	2.889	3934	1122	BBA	0.053	7.6361

Total area = 51521

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **45**

Client ID T-403

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 45

File Name: 2614445A
Description: T-403
Can/Tube#: 699
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:35
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,260	5,628	ND	ND
7782-44-7	Oxygen	0.069	0.074	18.28	692	741	182,806	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614445A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	45		SF:	2	
Description:	T-403		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 9:04	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:35	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	699				
Can Factor	1.38				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29741
7727-37-9	Nitrogen	03	2.05	2.02	168856
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

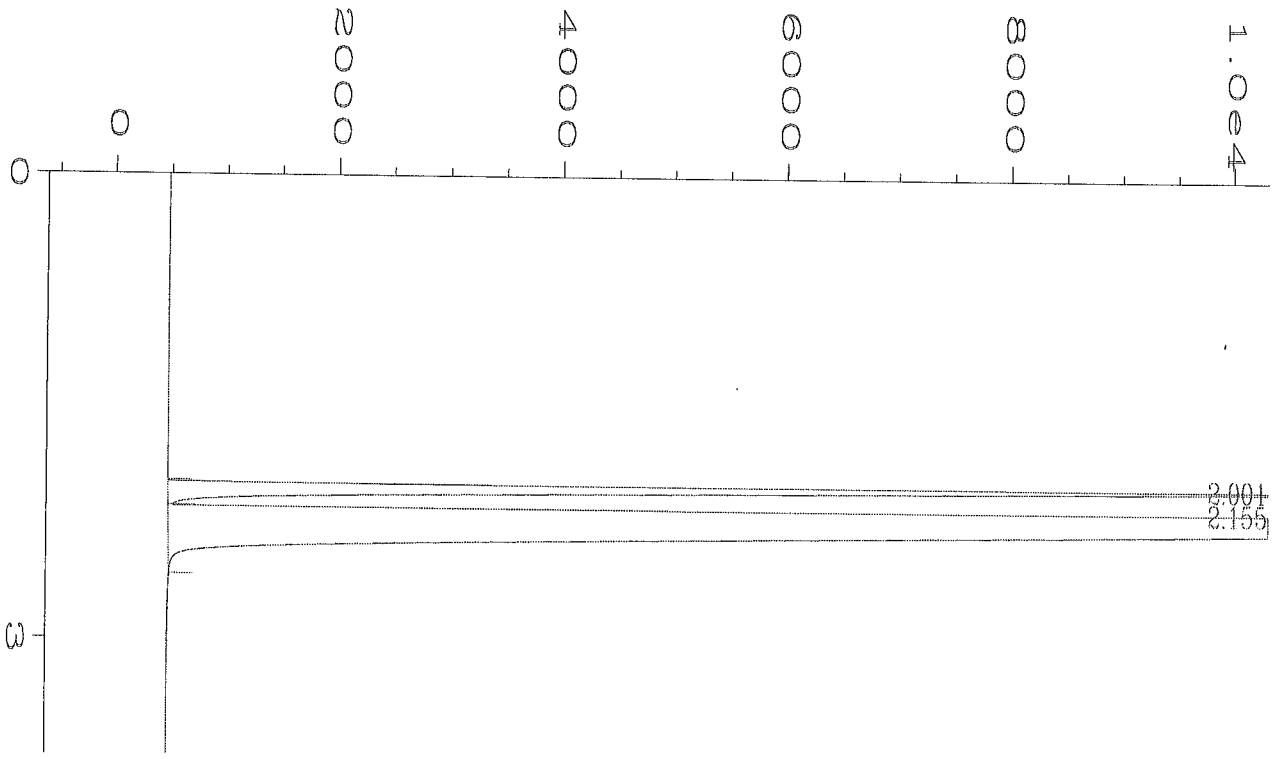
Laboratory Number: 45

File Name:	2614445A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.38				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.38		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.526	0.563	0.526	0.563	5,260	5,628	U
Oxygen	32.00	18.28	18.28	18.28	182,806	18.28	18.28	500	0.069	0.074	0.069	0.074	692	741	
Nitrogen	28.01	81.72	81.72	81.72	817,194	81.72	81.72	1000	0.138	0.148	0.138	0.148	1,384	1,481	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Sum - N2		18.28	100.00												
Sum		100.0													
Total Nitrogen		95.77													

558-5888

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614445MA.D
Operator : SW
Instrument : GCL
Sample Name : T-403
Run Time Bar Code:
Acquired on : 01 Sep 26 07:35 PM
Report Created on: 03 Sep 26 01:35 PM

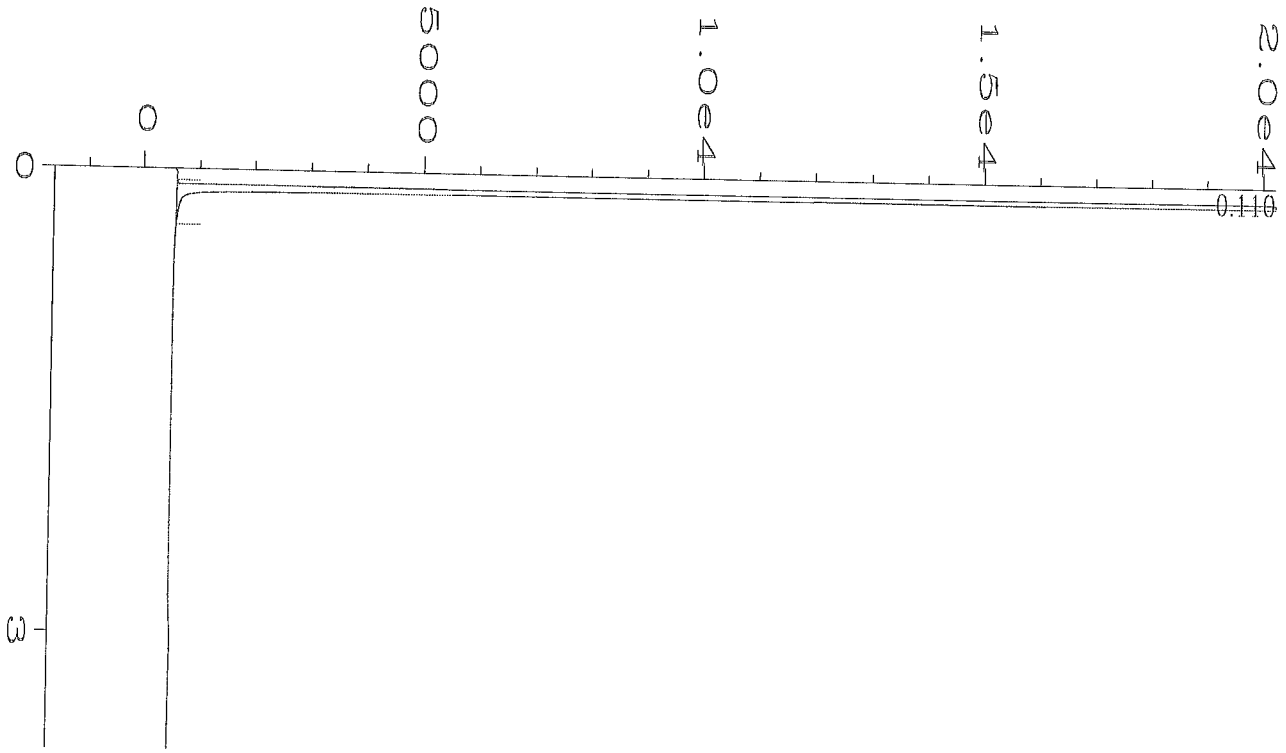
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614445MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.001	29741	11110	BV	0.036	14.9754
2	2.155	168856	22904	VB	0.097	85.0246

Total area = 198597

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614445PA.D
Operator : SW
Instrument : GCL
Sample Name : T-403
Run Time Bar Code:
Acquired on : 01 Sep 26 07:35 PM
Report Created on: 03 Sep 26 01:35 PM

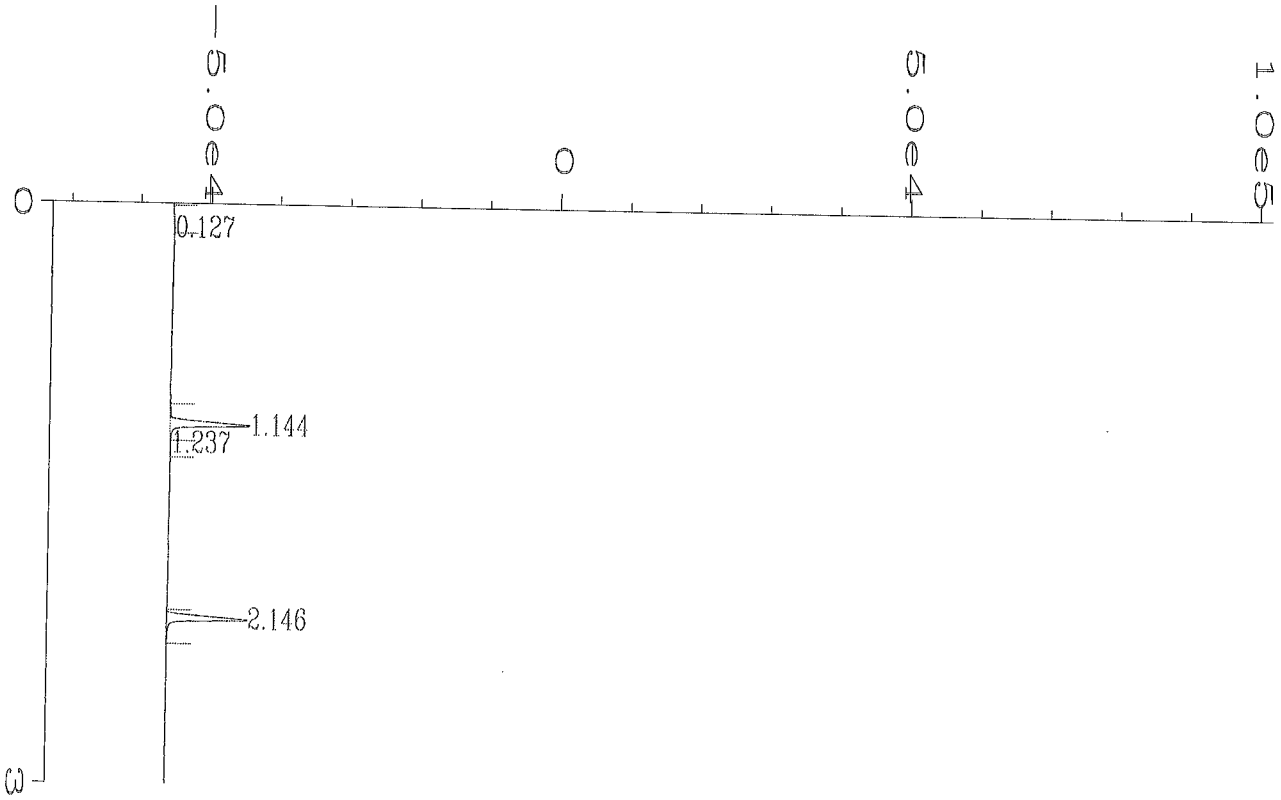
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614445PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	256463	244386	BB S	0.041	100.0000

Total area = 256463

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614445A.D
Operator : SW
Instrument : GCL
Sample Name : T-403
Run Time Bar Code:
Acquired on : 08 Sep 26 05:47 PM
Report Created on: 09 Aug 26 12:56 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614445A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.127	366	160	BV	0.037	0.9403
2	1.144	19467	11539	PV	0.026	50.0731
3	1.237	329	121	VV	0.035	0.8474
4	2.146	18716	11653	PV	0.025	48.1393

Total area = 38878

Sample Data Packages

SDG Number **226144**

Lab Id Number **46**

Client ID T-404

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 46

File Name: 2614446A
Description: T-404
Can/Tube#: 618
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:04
Date Analyzed: 09/01/26 **Time:** 19:40
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.523	0.560	ND	5,226	5,592	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.91	688	736	179,126	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.41	138	147	4,122	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614446A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	46		SF:	2	
Description:	T-404		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 9:04	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:40	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	618				
Can Factor	1.38				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**29334**
7727-37-9	Nitrogen	03	2.05	2.02	**168486**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**1457**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

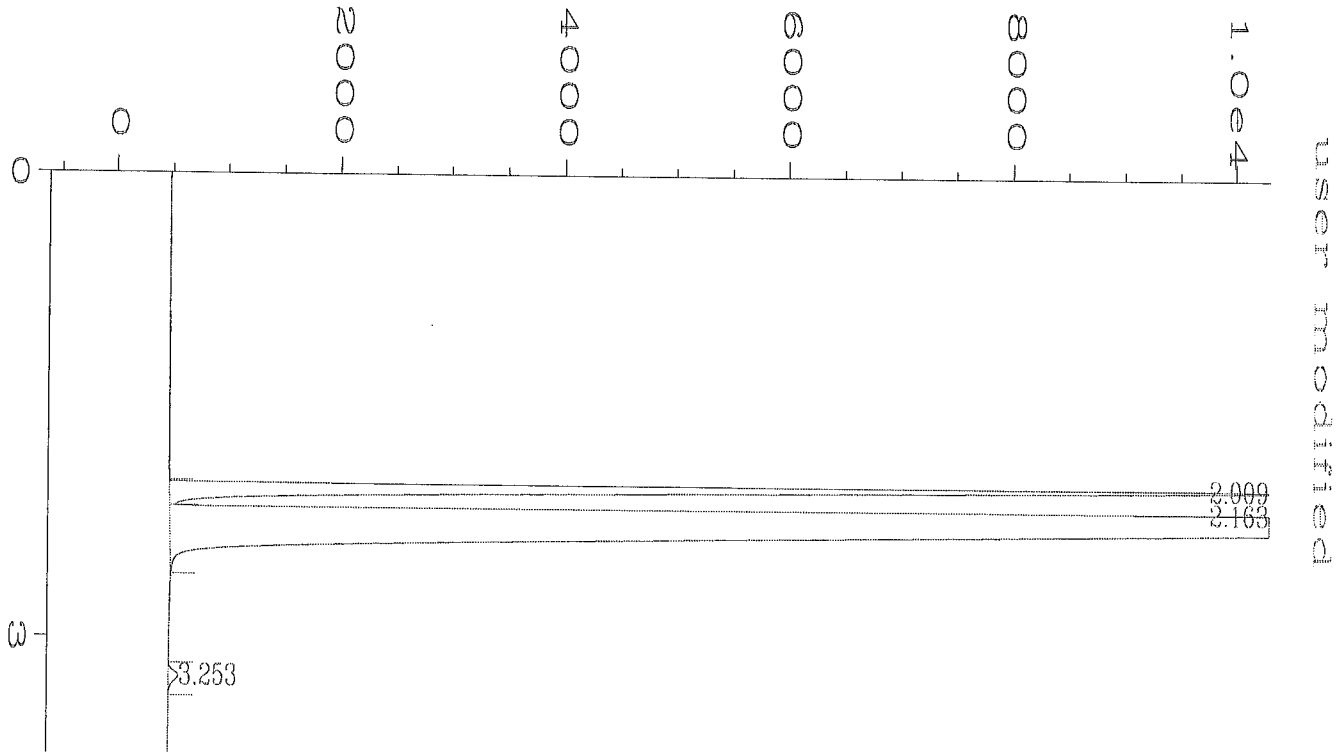
Laboratory Number: 46

File Name:	2614446A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.38				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.38		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.523	0.559	0.523	0.560	5,226	5,592	U
Oxygen	32.00	17.91	17.91	17.91	179,126	17.91	17.91	500	0.069	0.074	0.069	0.074	688	736	
Nitrogen	28.01	81.68	81.68	81.68	816,752	81.68	81.68	1000	0.138	0.147	0.138	0.148	1,375	1,471	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	147	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	147	U
Carbon Dioxide	44.01	0.41	0.41	0.41	4,122	0.41	0.41	100	0.014	0.015	0.014	0.015	138	147	
Sum - N2		18.32	100.00												
Sum		100.0													
Total Nitrogen		94.93													

Confidential

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614446MA.D
Operator : SW
Instrument : GCL
Sample Name : T-404
Run Time Bar Code:
Acquired on : 01 Sep 26 07:40 PM
Report Created on: 03 Sep 26 01:35 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

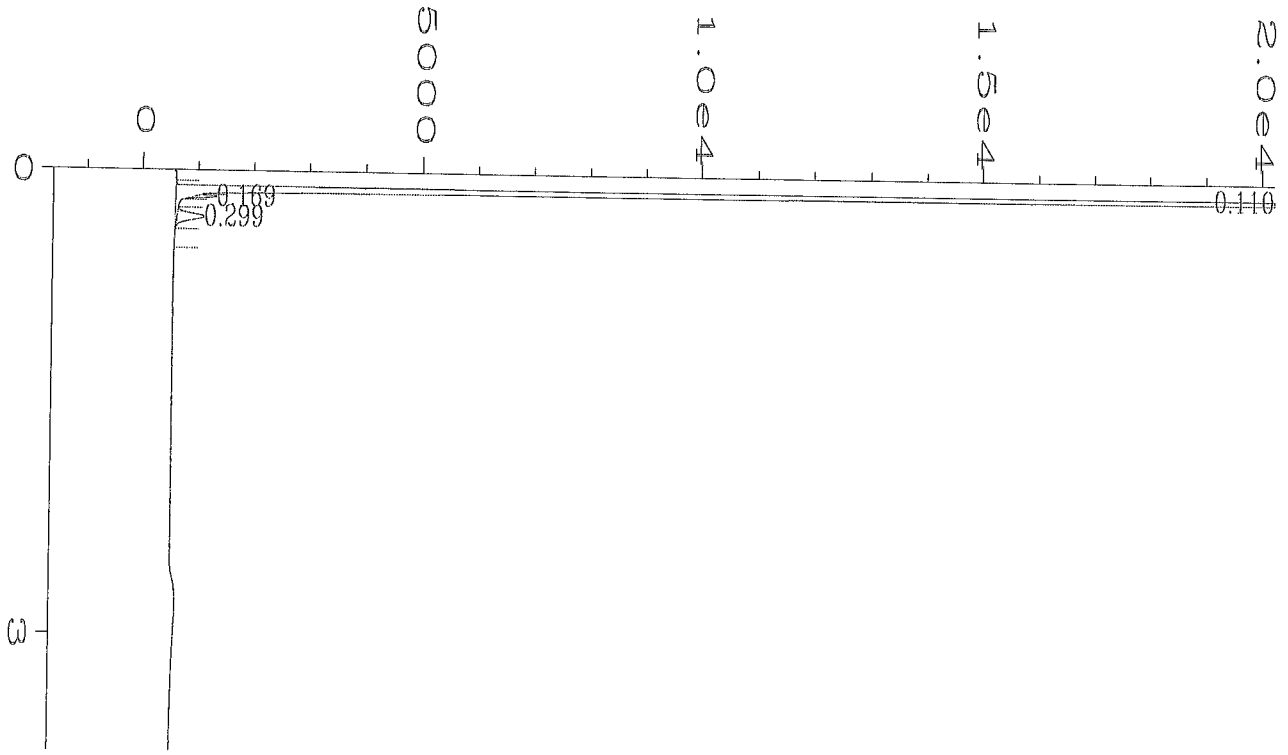
Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614446MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.009	29334	10769	BV	0.045	14.7991
2	2.163	168486	22738	VB	0.097	85.0020
3	3.253	394	84	MM	0.078	0.1989

Total area = 198215

User Modified

==========



Area Percent Report

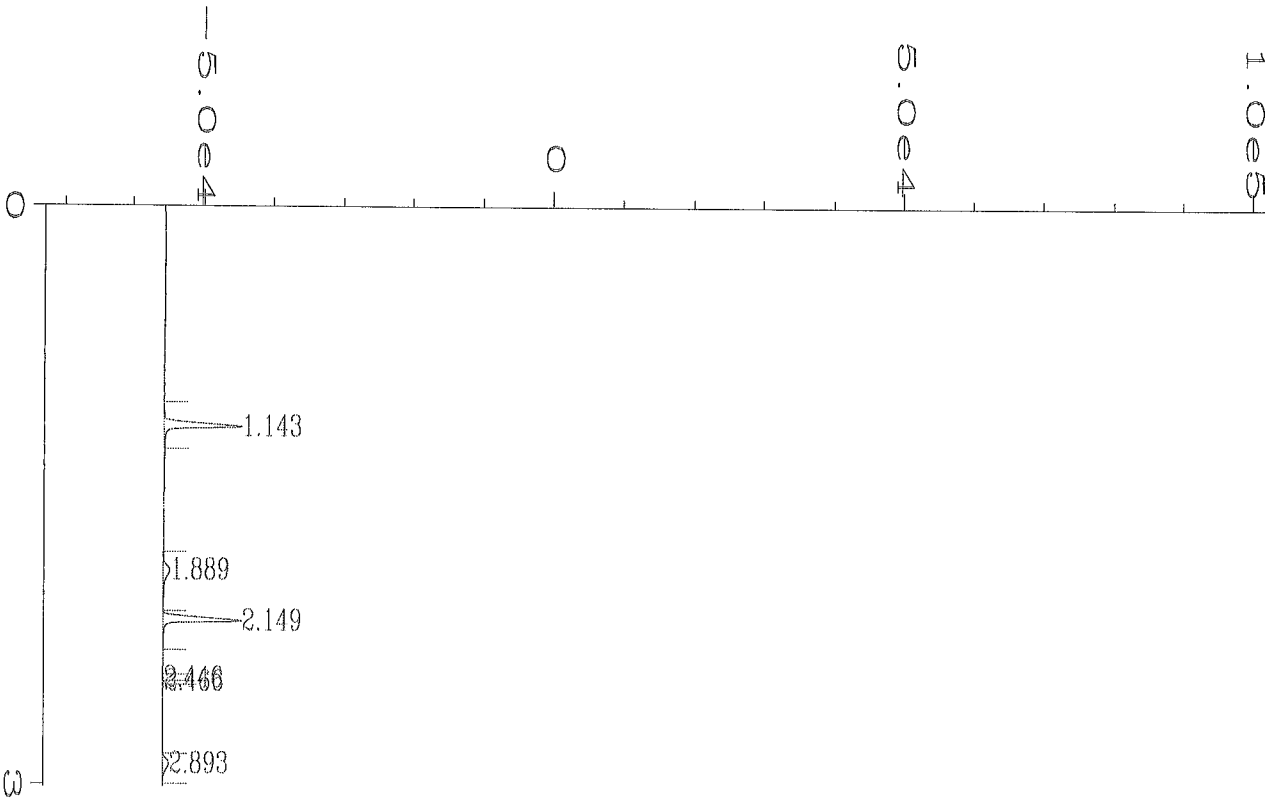
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614446PA.D
Operator : SW
Instrument : GCL
Sample Name : T-404
Run Time Bar Code:
Acquired on : 01 Sep 26 07:40 PM
Report Created on: 03 Sep 26 01:36 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614446PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	254777	243153	BB S	0.030	99.2766
2	0.169	399	456	BB T	0.015	0.1555
3	0.299	1457	490	BV T	0.047	0.5679

Total area = 256633



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614446A.D
Operator : SW
Instrument : GCL
Sample Name : T-404
Run Time Bar Code:
Acquired on : 08 Sep 26 05:50 PM
Report Created on: 09 Aug 26 12:56 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614446A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.143	18996	11369	PV	0.026	41.7903
2	1.889	4511	931	VV	0.070	9.9246
3	2.149	18442	11632	PV	0.039	40.5729
4	2.446	80	128	PV	0.010	0.1759
5	2.466	122	257	VV	0.012	0.2687
6	2.893	3303	846	PBA	0.058	7.2675

Total area = 45455

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Sample Data Packages

SDG Number **226144**

Lab Id Number **47**

Client ID T-405

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 47

File Name: 2614447A
Description: T-405
Can/Tube#: 849
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 9:59
Date Analyzed: 09/01/26 **Time:** 19:47
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.538	0.576	ND	5,377	5,754	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.44	708	757	184,409	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	142	151	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614447A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	47			SF:	2
Description:	T-405			Not Detected Flag:	ND
Date Sampled:	07/23/26	Time:	9:59	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	19:47	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	849				
Can Factor	1.42				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29349
7727-37-9	Nitrogen	03	2.05	2.02	170220
74[illegible]2-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

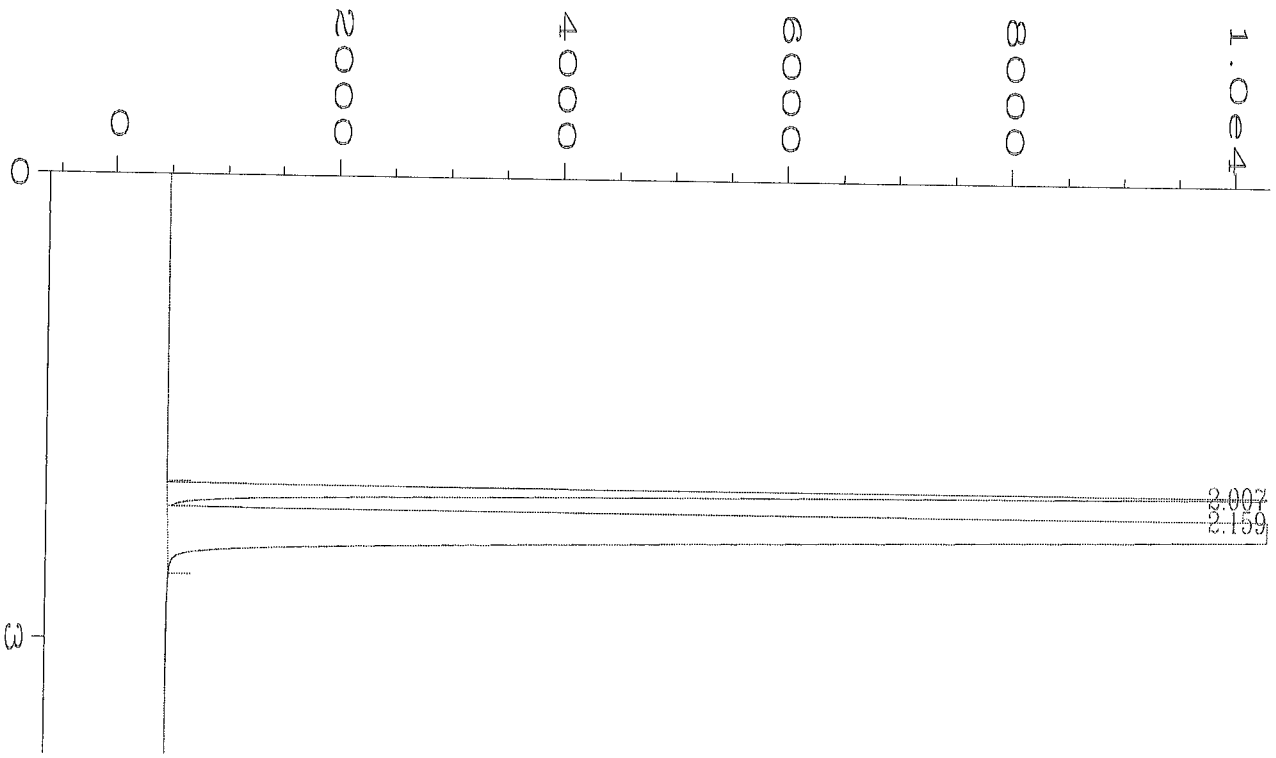
Laboratory Number: 47

File Name:	2614447A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.42				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.42		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.538	0.575	0.538	0.576	5,377	5,754	U
Oxygen	32.00	18.44	18.44	18.44	184,409	18.44	18.44	500	0.071	0.076	0.071	0.076	708	757	
Nitrogen	28.01	81.56	81.56	81.56	815,591	81.56	81.56	1000	0.142	0.151	0.142	0.152	1,415	1,514	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	151	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	151	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	151	U
Sum - N2		18.44	100.00												
Sum		100.0													
Total Nitrogen		98.69													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

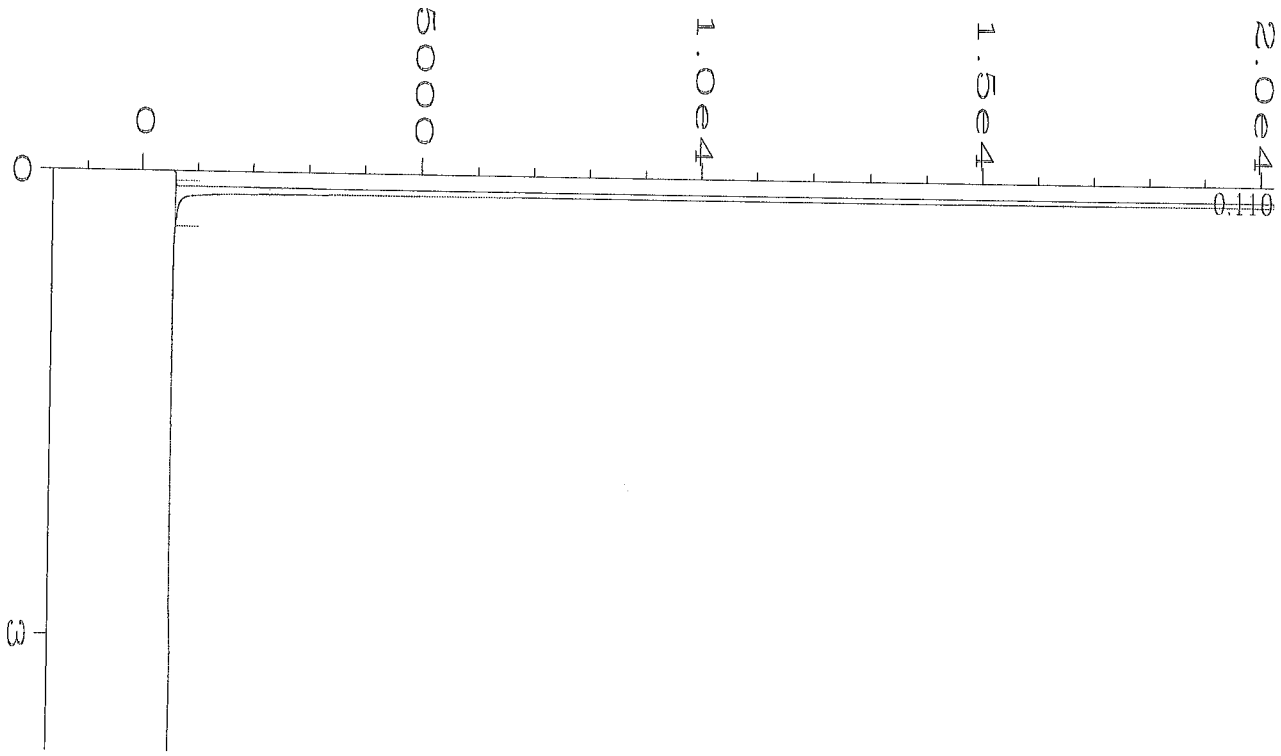
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614447MA.D
Operator : SW
Instrument : GCL
Sample Name : T-405
Run Time Bar Code:
Acquired on : 01 Sep 26 07:47 PM
Report Created on: 03 Sep 26 01:36 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614447MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.007	29349	10902	BV	0.036	14.7060
2	2.159	170220	22943	VB	0.096	85.2940

Total area = 199569



Area Percent Report

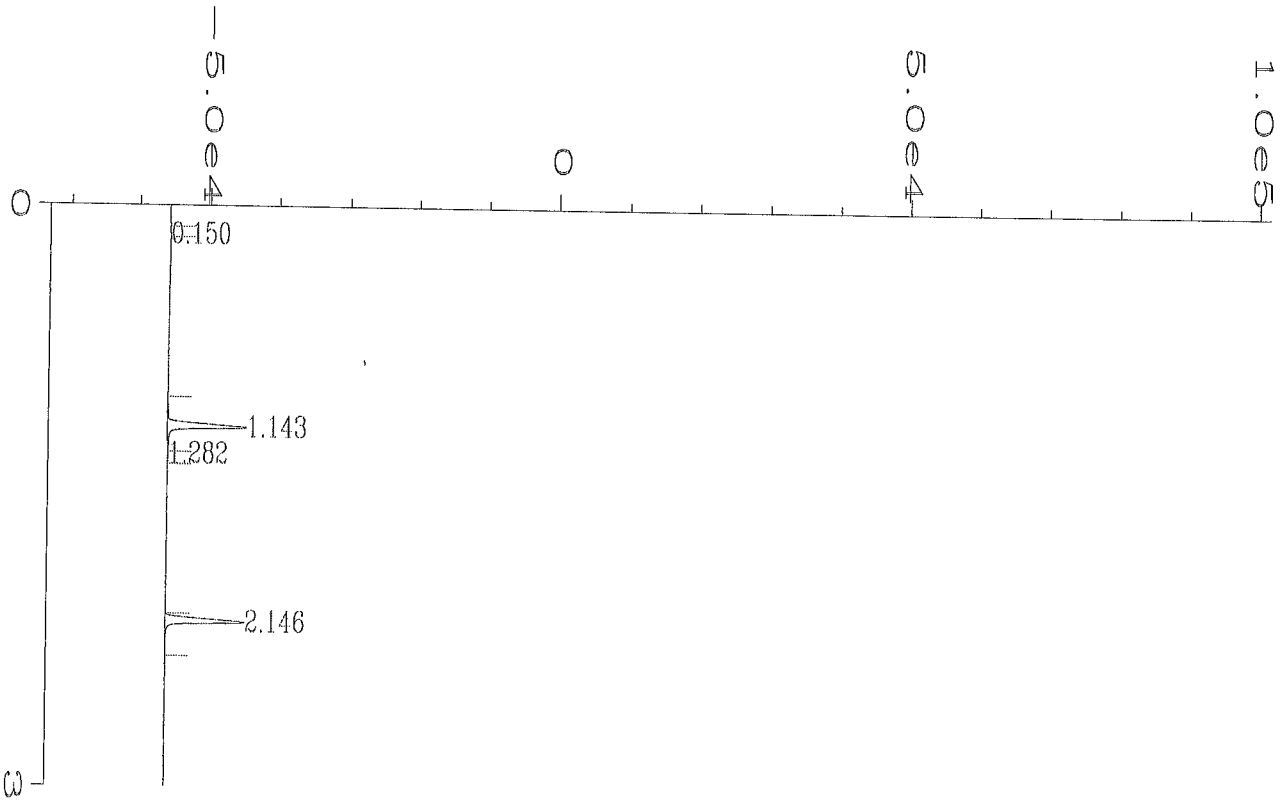
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614447PA.D
Operator : SW
Instrument : GCL
Sample Name : T-405
Run Time Bar Code:
Acquired on : 01 Sep 26 07:47 PM
Report Created on: 03 Sep 26 01:36 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614447PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	257514	250882	BB S	0.016	100.0000

Total area = 257514



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614447A.D
Operator : SW
Instrument : GCL
Sample Name : T-405
Run Time Bar Code:
Acquired on : 08 Sep 26 05:54 PM
Report Created on: 09 Aug 26 12:57 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614447A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.150	87	54	PV	0.027	0.2272
2	1.143	19934	11403	PV	0.027	51.9151
3	1.282	229	102	VV	0.037	0.5968
4	2.146	18147	11470	VV	0.025	47.2609

Total area = 38398

Sample Data Packages

SDG Number **226144**

Lab Id Number **48**

Client ID T-406

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 48

File Name: 2614448A
Description: T-406
Can/Tube#: 506
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:02
Date Analyzed: 09/01/26 **Time:** 19:52
Can Dilution Factor: 1.34

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.509	0.545	ND	5,088	5,444	ND	ND
7782-44-7	Oxygen	0.067	0.072	18.64	669	716	186,392	
630-08-0	Carbon Monoxide	0.013	0.014	ND	134	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.09	134	143	851	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614448A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	48		SF:	2	
Description:	T-406		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 10:02	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:52	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	506				
Can Factor	1.34				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**31350**
7727-37-9	Nitrogen	03	2.05	2.02	**165009**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**309**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

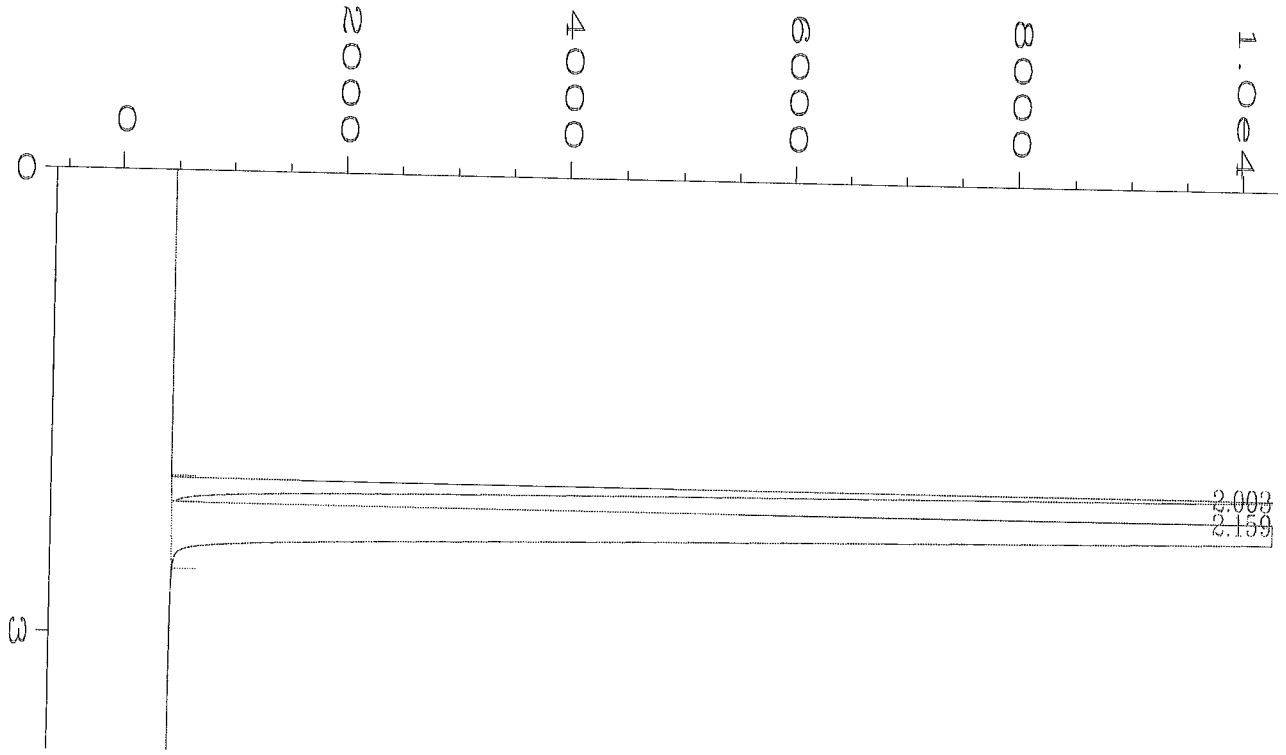
SDG: 226144
Laboratory Number: 48

File Name:	2614448A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.34				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.34		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.509	0.544	0.509	0.545	5,088	5,444	U
Oxygen	32.00	18.64	18.64	18.64	186,392	18.64	18.64	500	0.067	0.072	0.067	0.072	669	716	
Nitrogen	28.01	81.28	81.28	81.28	812,757	81.28	81.28	1000	0.134	0.143	0.134	0.143	1,339	1,433	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	134	143	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	134	143	U
Carbon Dioxide	44.01	0.09	0.09	0.09	851	0.09	0.09	100	0.013	0.014	0.013	0.014	134	143	
Sum - N2		18.72	100.00												
Sum		100.0													
Total Nitrogen		90.52													

006708 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

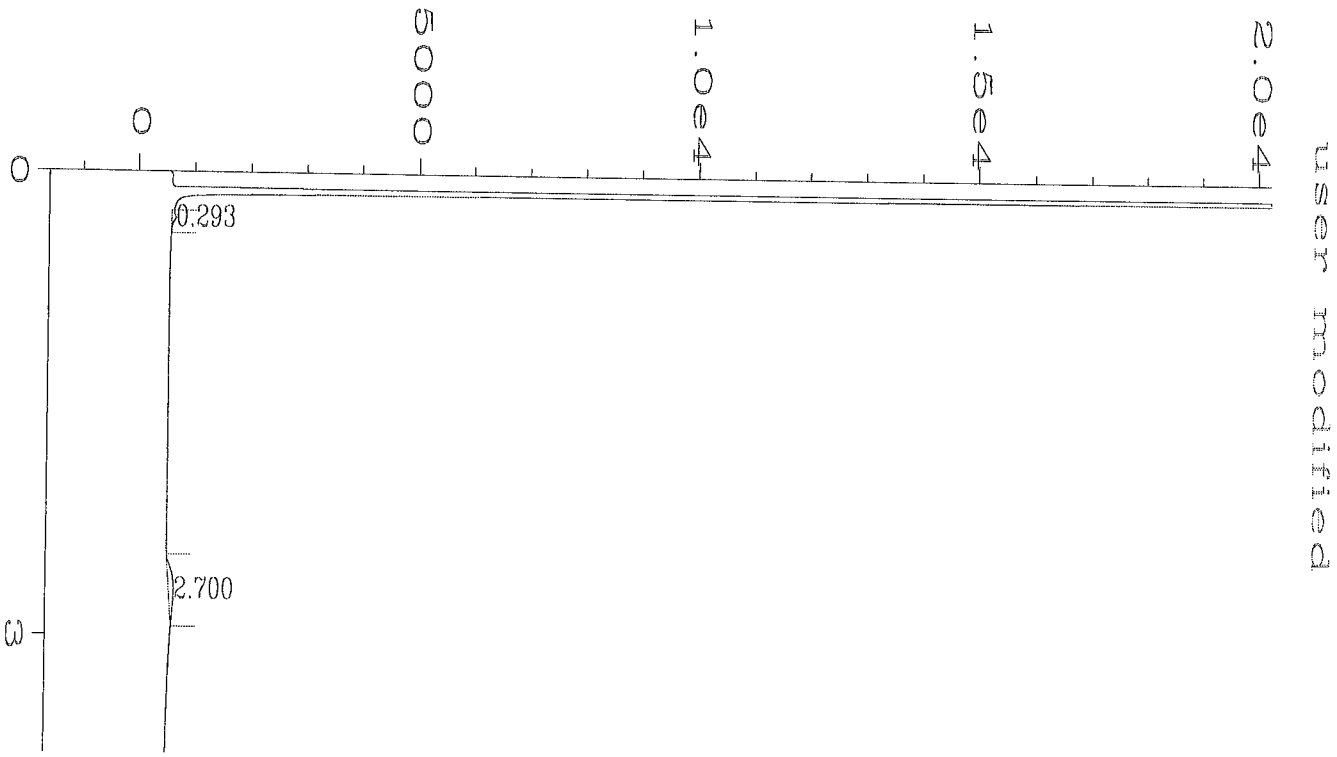
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614448MA.D
Operator : SW
Instrument : GCL
Sample Name : T-406
Run Time Bar Code:
Acquired on : 01 Sep 26 07:52 PM
Report Created on: 03 Sep 26 01:36 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614448MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.003	31350	11269	BV	0.046	15.9657
2	2.159	165009	22493	VB	0.096	84.0343

Total area = 196359



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614448PA.D
Operator : SW
Instrument : GCL
Sample Name : T-406
Run Time Bar Code:
Acquired on : 01 Sep 26 07:52 PM
Report Created on: 03 Sep 26 01:37 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

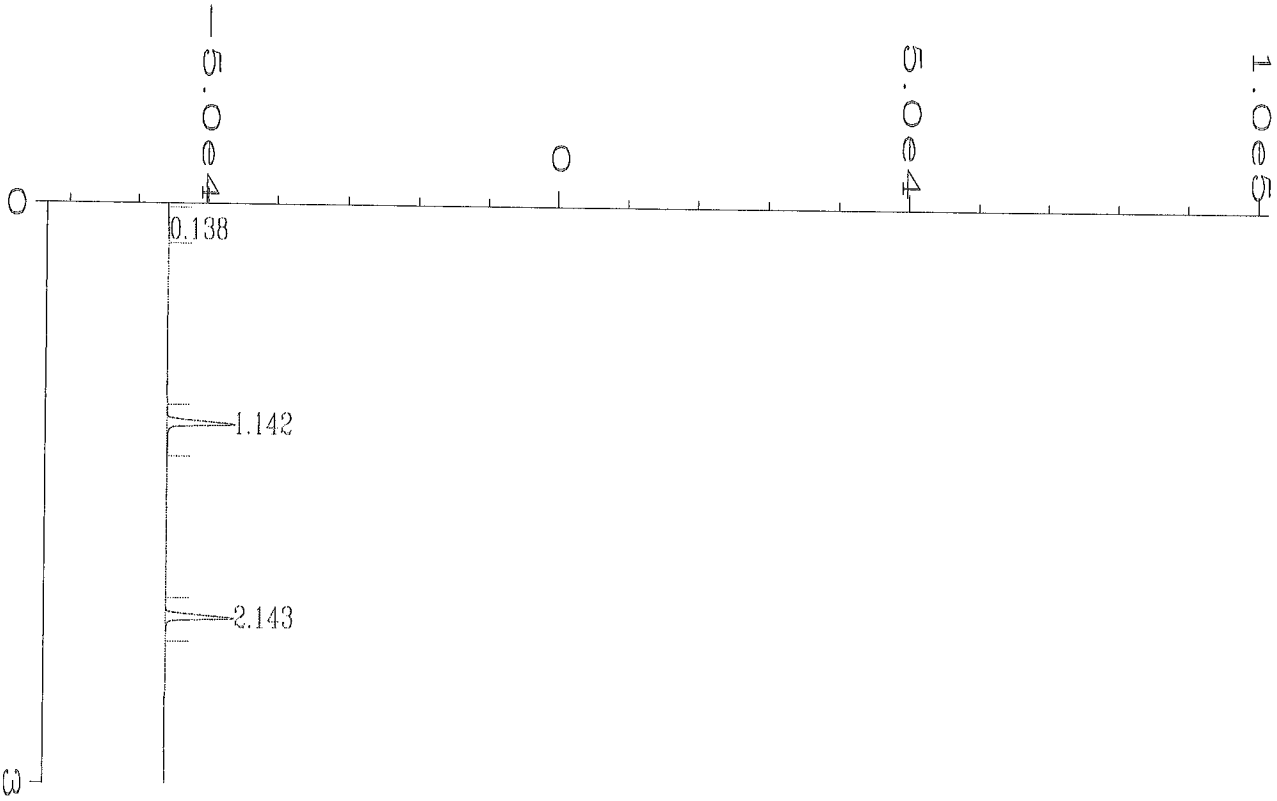
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614448PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.293	309	80	MM	0.064	17.4103
2	2.700	1465	89	BB	0.265	82.5897

Total area = 1774

User Modified

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614448A.D
Operator : SW
Instrument : GCL
Sample Name : T-406
Run Time Bar Code:
Acquired on : 08 Sep 26 05:57 PM
Report Created on: 09 Aug 26 12:57 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614448A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.138	589	99	BB	0.081	1.7802
2	1.142	16933	10128	BV	0.036	51.1416
3	2.143	15587	9936	BV	0.037	47.0782

Total area = 33110

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **49**

Client ID T-407

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 49

File Name: 2614449A
Description: T-407
Can/Tube#: 823
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:07
Date Analyzed: 09/01/26 **Time:** 19:58
Can Dilution Factor: 1.45

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.550	0.589	ND	5,505	5,890	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.39	724	775	183,866	
630-08-0	Carbon Monoxide	0.014	0.015	ND	145	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	145	155	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614449A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	49		SF:	2	
Description:	T-407		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 10:07	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 19:58	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	823				
Can Factor	1.45				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28583
7727-37-9	Nitrogen	03	2.05	2.02	170303
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

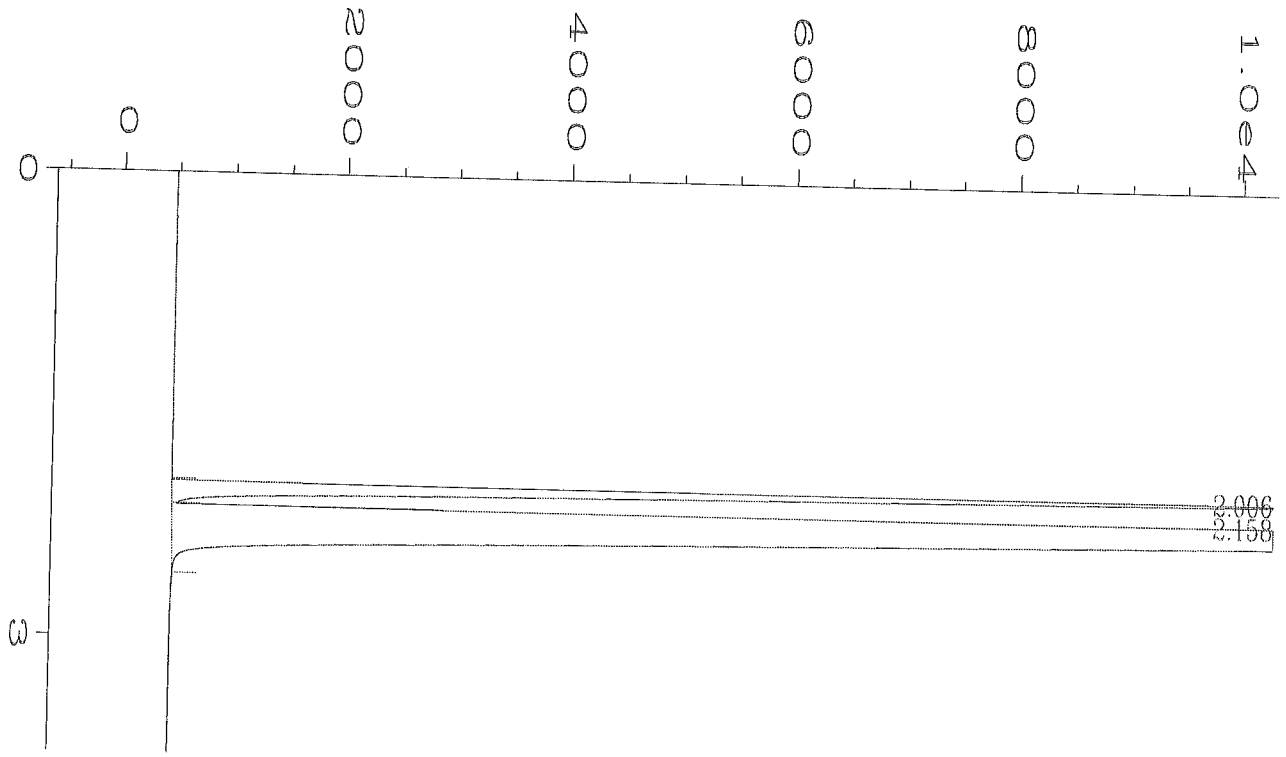
Laboratory Number: 49

File Name:	2614449A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.45				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.45		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.550	0.589	0.550	0.589	5,505	5,890	U
Oxygen	32.00	18.39	18.39	18.39	183,866	18.39	18.39	500	0.072	0.078	0.072	0.077	724	775	
Nitrogen	28.01	81.61	81.61	81.61	816,134	81.61	81.61	1000	0.145	0.155	0.145	0.155	1,449	1,550	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.016	0.014	0.015	145	155	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.016	0.014	0.015	145	155	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.016	0.014	0.015	145	155	U
Sum - N2		18.39	100.00												
Sum		100.0													
Total Nitrogen		101.08													

0506188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

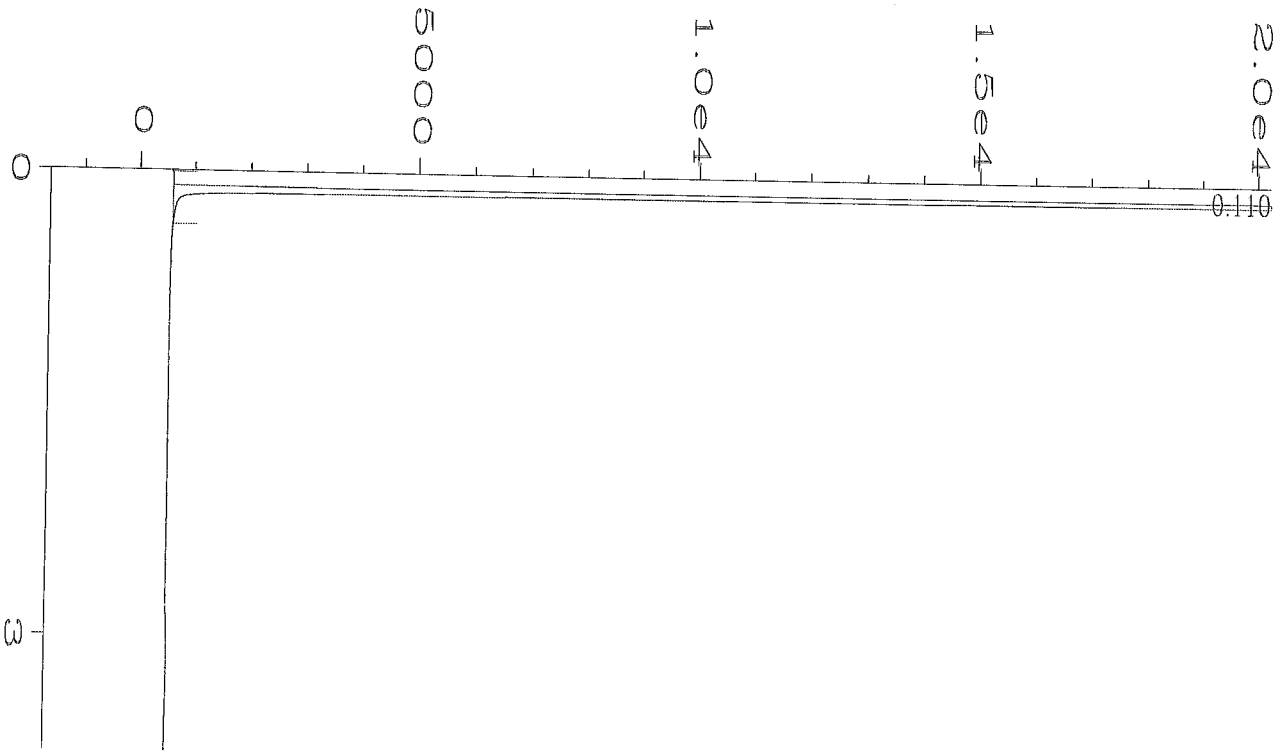
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614449MA.D
Operator : SW
Instrument : GCL
Sample Name : T-407
Run Time Bar Code:
Acquired on : 01 Sep 26 07:58 PM
Report Created on: 03 Sep 26 01:37 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614449MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.006	28583	10633	BV	0.045	14.3717
2	2.158	170303	23052	VB	0.100	85.6283

Total area = 198887



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614449PA.D
Operator : SW
Instrument : GCL
Sample Name : T-407
Run Time Bar Code:
Acquired on : 01 Sep 26 07:58 PM
Report Created on: 03 Sep 26 01:37 PM

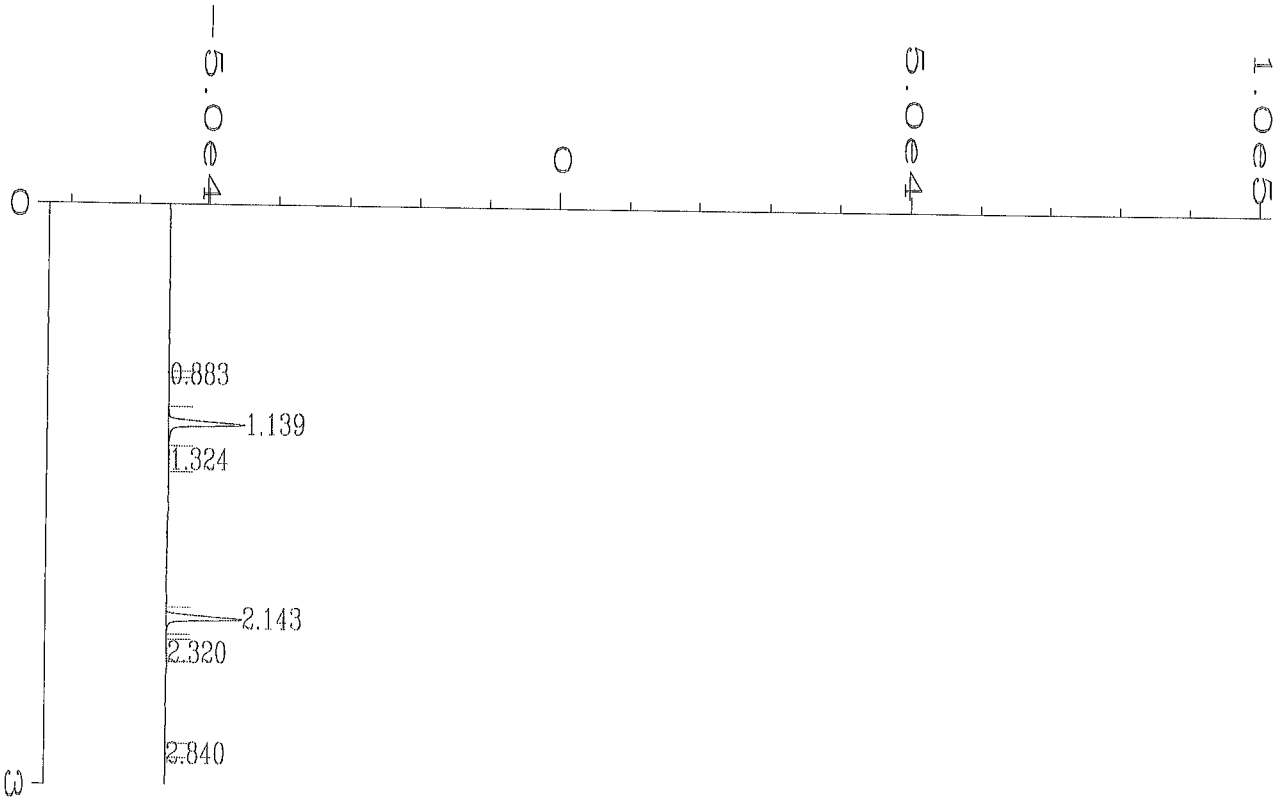
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614449PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	255966	249512	BB S	0.016	100.0000

Total area = 255966

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614449A.D
Operator : SW
Instrument : GCL
Sample Name : T-407
Run Time Bar Code:
Acquired on : 08 Sep 26 06:01 PM
Report Created on: 09 Aug 26 12:58 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614449A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.883	89	150	PV	0.010	0.2398
2	1.139	18611	11151	VV	0.026	50.4159
3	1.324	512	127	VV	0.067	1.3879
4	2.143	17335	10986	PV	0.025	46.9599
5	2.320	220	83	VV	0.045	0.5968
6	2.840	148	96	BV	0.023	0.3998

Total area = 36914

Sample Data Packages

SDG Number **226144**

Lab Id Number **50**

Client ID T-408

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 50

File Name: 2614450A
Description: T-408
Can/Tube#: 789
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 10:11
Date Analyzed: 09/01/26 **Time:** 20:04
Can Dilution Factor: 1.48

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,635	6,030	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.19	741	793	181,919	
630-08-0	Carbon Monoxide	0.015	0.016	ND	148	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.23	148	159	2,297	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614450A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	50		SF:	2	
Description:	T-408		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 10:11	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:04	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	789				
Can Factor	1.48				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	27627
7727-37-9	Nitrogen	03	2.05	2.02	170615
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		753

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

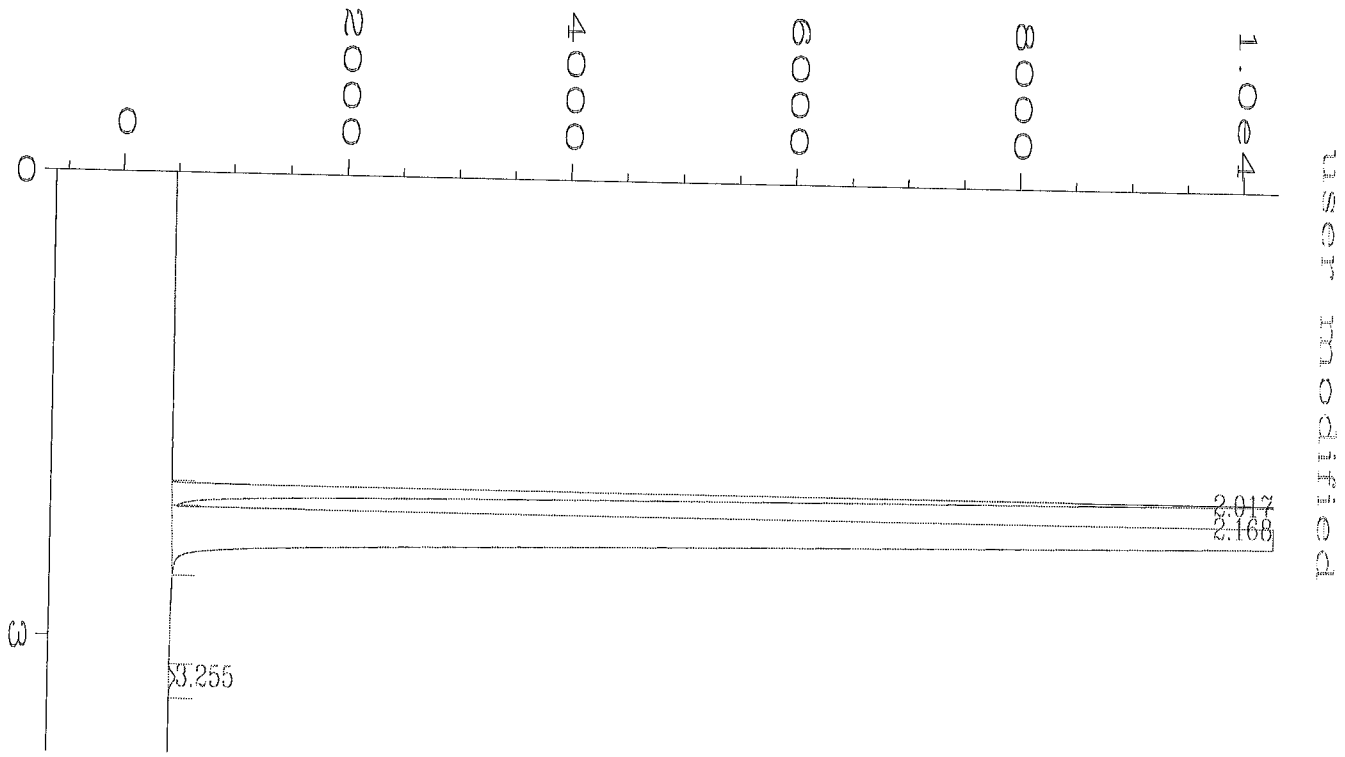
SDG: 226144
Laboratory Number: 50

File Name:	2614450A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.48				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.48		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.564	0.603	0.564	0.603	5,635	6,030	U
Oxygen	32.00	18.19	18.19	18.19	181,919	18.19	18.19	500	0.074	0.079	0.074	0.079	741	793	
Nitrogen	28.01	81.58	81.58	81.58	815,784	81.58	81.58	1000	0.148	0.159	0.148	0.158	1,483	1,587	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	148	159	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	148	159	U
Carbon Dioxide	44.01	0.23	0.23	0.23	2,297	0.23	0.23	100	0.015	0.016	0.015	0.016	148	159	
Sum - N2		18.42	100.00												
Sum		100.0													
Total Nitrogen		103.66													

006724 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614450MA.D
Operator : SW
Instrument : GCL
Sample Name : T-408
Run Time Bar Code:
Acquired on : 01 Sep 26 08:04 PM
Report Created on: 03 Sep 26 01:38 PM

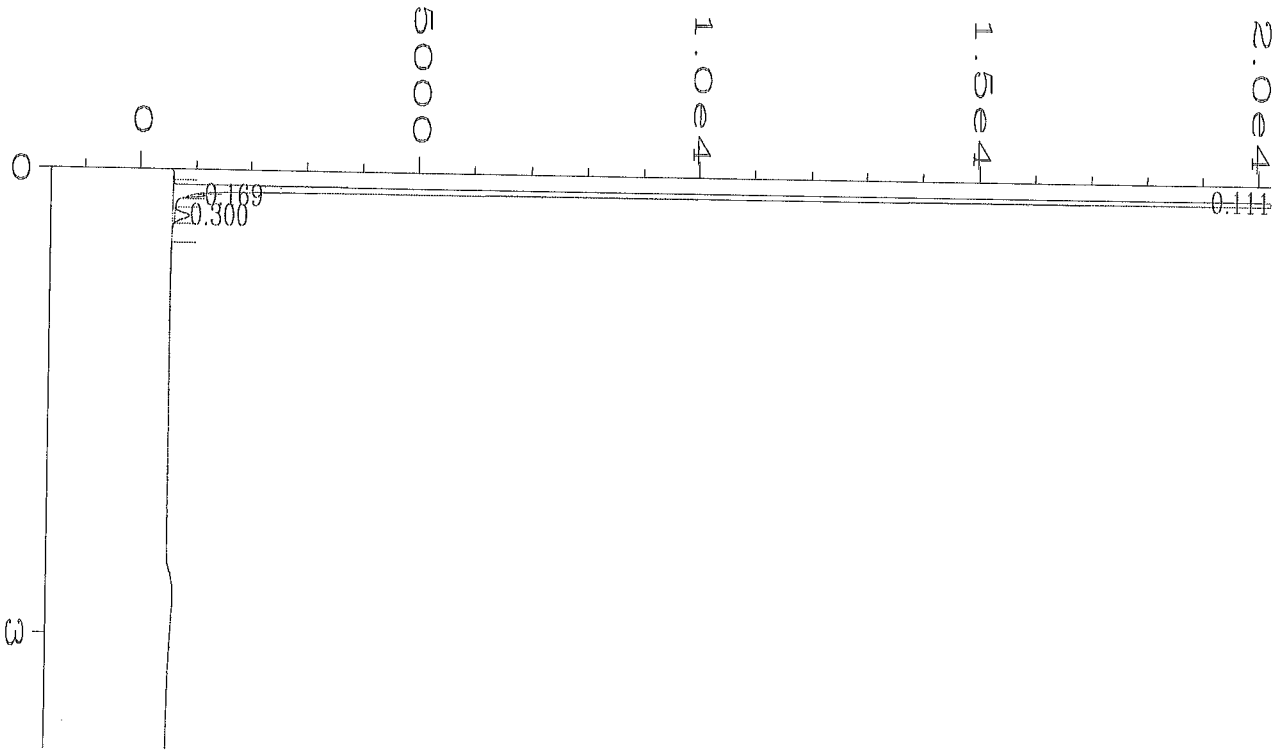
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614450MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.017	27627	10466	BV	0.035	13.9161
2	2.168	170615	23092	VB	0.097	85.9415
3	3.255	283	58	MM	0.081	0.1423

Total area = 198525

User Modified



Area Percent Report

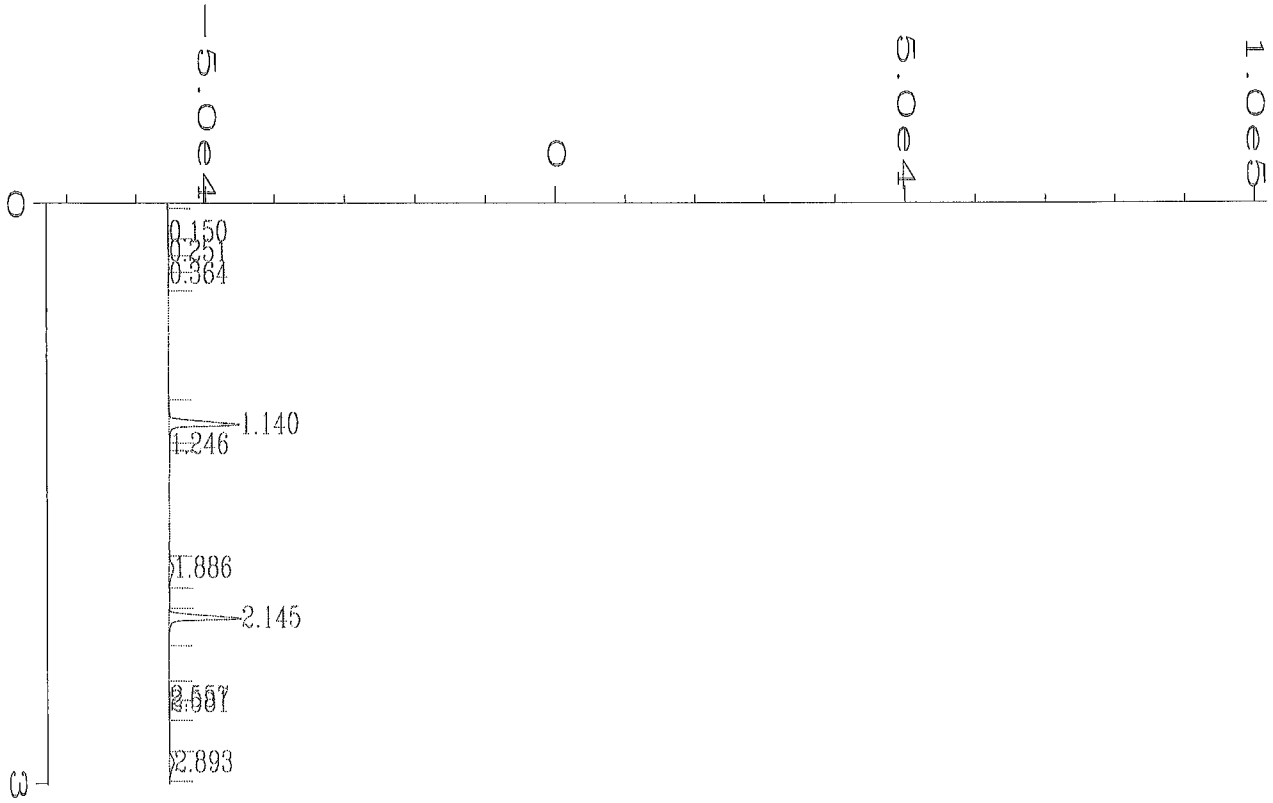
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614450PA.D
Operator : SW
Instrument : GCL
Sample Name : T-408
Run Time Bar Code:
Acquired on : 01 Sep 26 08:04 PM
Report Created on: 03 Sep 26 01:38 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614450PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	249628	253485	BB S	0.015	99.5925
2	0.169	269	310	BB T	0.015	0.1073
3	0.300	753	269	BV T	0.045	0.3003

Total area = 250649



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614450A.D
Operator : SW
Instrument : GCL
Sample Name : T-408
Run Time Bar Code:
Acquired on : 08 Sep 26 06:04 PM
Report Created on: 09 Aug 26 12:58 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614450A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.150	651	131	BV	0.064	1.5157
2	0.251	524	127	VV	0.060	1.2207
3	0.364	356	162	VB	0.037	0.8283
4	1.140	17278	10365	VV	0.026	40.2491
5	1.246	104	70	VV	0.025	0.2420
6	1.886	3019	641	VV	0.067	7.0323
7	2.145	17236	10842	VV	0.033	40.1508
8	2.557	551	166	PV	0.046	1.2832
9	2.581	573	146	VV	0.065	1.3344
10	2.893	2637	645	VBA	0.056	6.1435

Total area = 42928

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Sample Data Packages

SDG Number **226144**

Lab Id Number **51**

Client ID T-409

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 51

File Name: 2614451A
Description: T-409
Can/Tube#: 732
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:10
Date Analyzed: 09/01/26 **Time:** 20:09
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.537	0.575	ND	5,367	5,743	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.43	706	756	184,303	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	151	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614451A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	51		SF:	2	
Description:	T-409		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 11:10	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:09	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	732				
Can Factor	1.41				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29386
7727-37-9	Nitrogen	03	2.05	2.02	169905
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

File Name:	2614451A
QCBatch	090126-GCO
Can Factor	1.41
Air Volume:	0.50 ml
Base Volume	0.50 ml
Dilution Factor	1.41
Gas Constant:	24.4
Decimal Places:	2

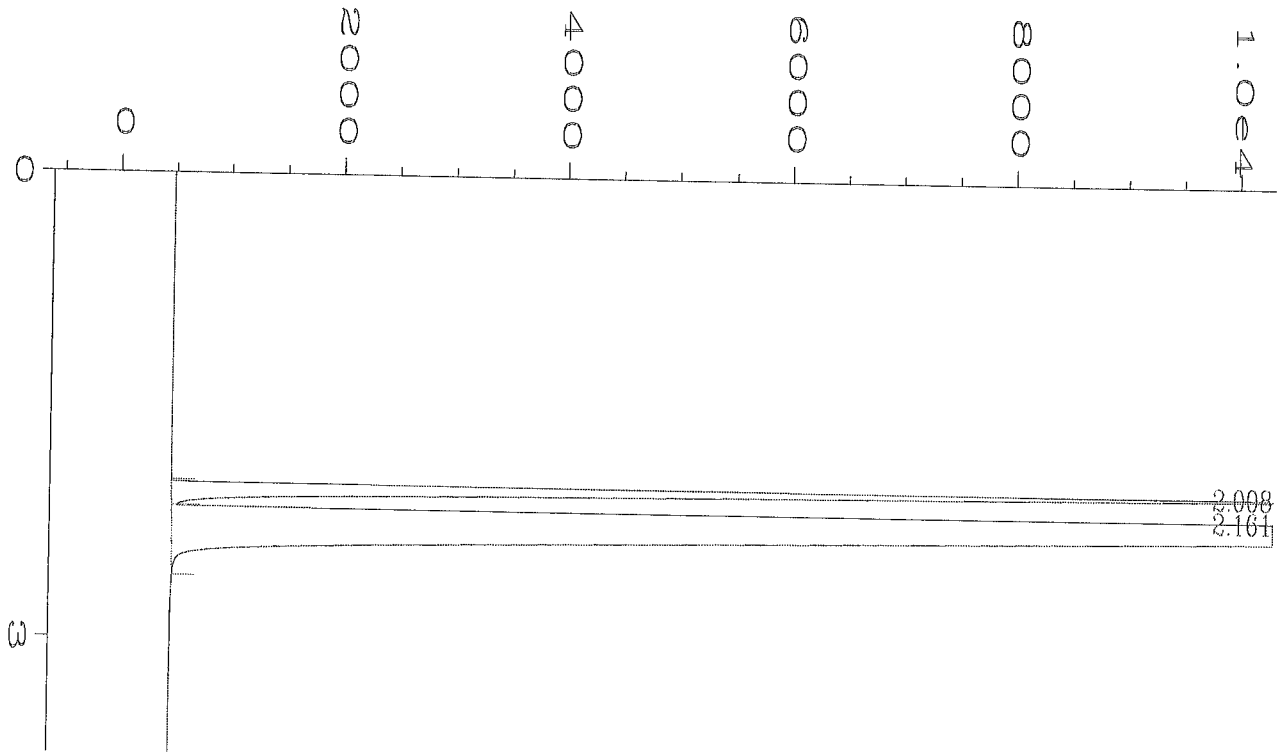
Detect Flag: ND
Report Normalized: No

Temp	25	C
Atm P	760.0	torr
Gas Constant	24.4	
RL Factor	1.07	

SDG: 226144
Laboratory Number: 51

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	Fixed ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.537	0.574	0.537	0.575	5,367	5,743	U
Oxygen	32.00	18.43	18.43	18.43	184,303	18.43	18.43	500	0.071	0.076	0.071	0.076	706	756	
Nitrogen	28.01	81.57	81.57	81.57	815,697	81.57	81.57	1000	0.141	0.151	0.141	0.151	1,412	1,511	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Sum - N2		18.43	100.00												
Sum		100.0													
Total Nitrogen		98.32													

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



Area Percent Report

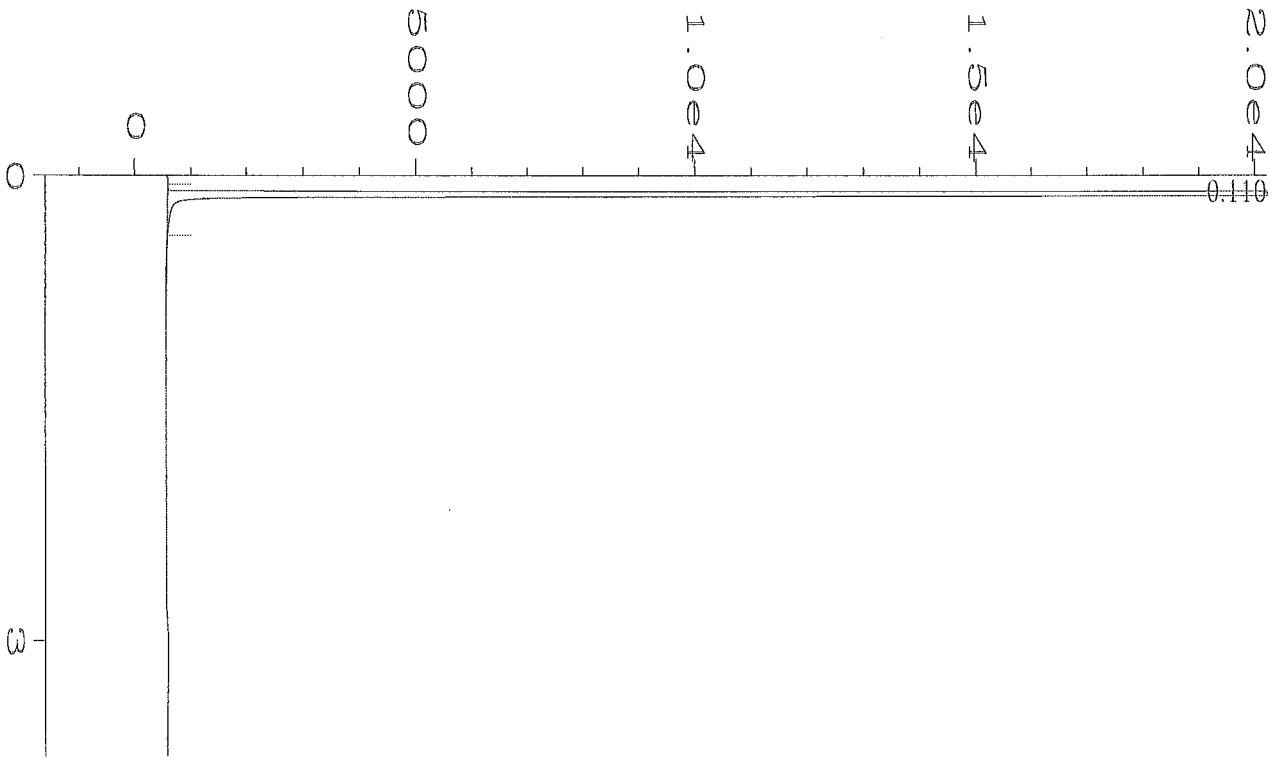
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614451MA.D
Operator : SW
Instrument : GCL
Sample Name : T-409
Run Time Bar Code:
Acquired on : 01 Sep 26 08:09 PM
Report Created on: 03 Sep 26 01:38 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614451MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.008	29386	10778	BV	0.045	14.7451
2	2.161	169905	23018	VB	0.098	85.2549

Total area = 199291



==========

Area Percent Report

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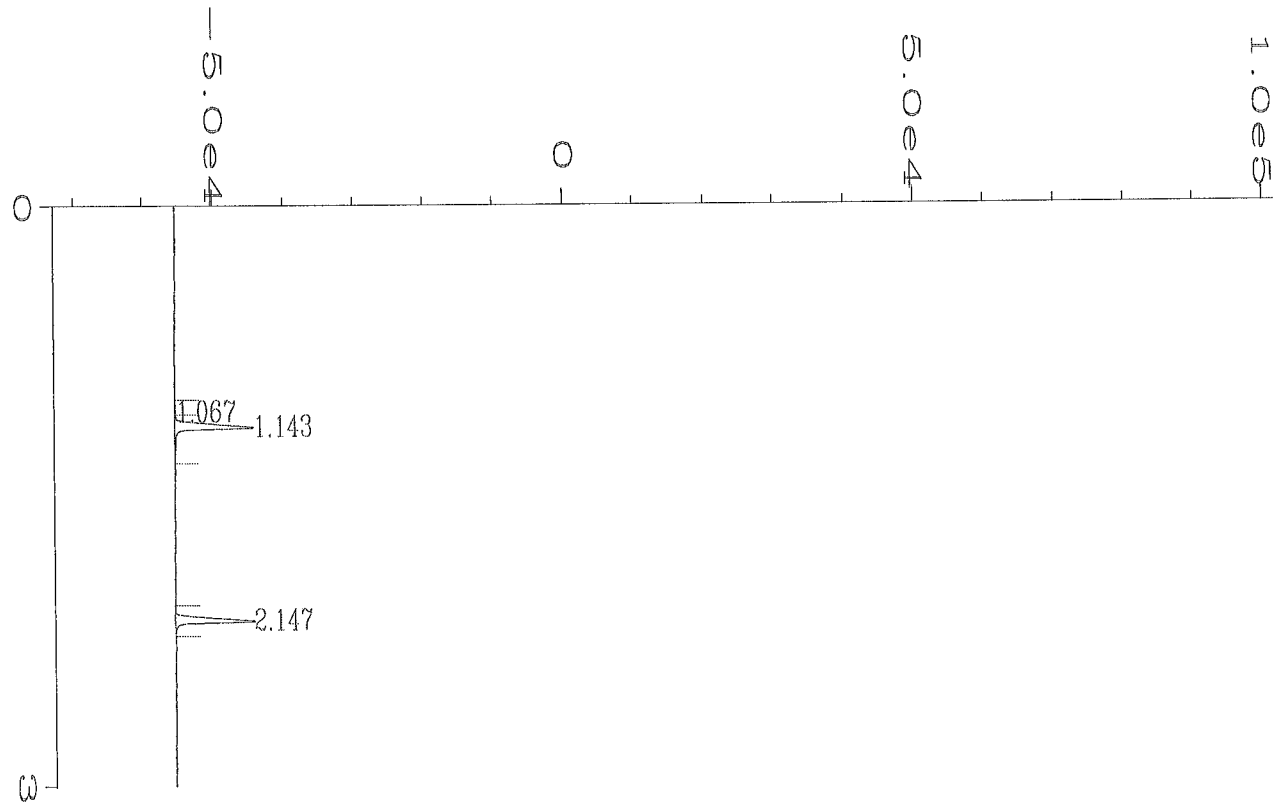
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614451PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-409
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:09 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:38 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614451PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	261319	250896	BB S	0.040	100.0000

Total area = 261319

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614451A.D
Operator : SW
Instrument : GCL
Sample Name : T-409
Run Time Bar Code:
Acquired on : 08 Sep 26 06:08 PM
Report Created on: 09 Aug 26 12:58 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614451A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.067	353	137	BV	0.035	0.9371
2	1.143	19316	11254	VV	0.027	51.3091
3	2.147	17978	11265	PV	0.025	47.7538

Total area = 37647

Sample Data Packages

SDG Number **226144**

Lab Id Number **52**

Client ID T-410

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 52

File Name: 2614452A
Description: T-410
Can/Tube#: 709
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:09
Date Analyzed: 09/01/26 **Time:** 20:15
Can Dilution Factor: 1.36

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.518	0.554	ND	5,183	5,546	ND	ND
7782-44-7	Oxygen	0.068	0.073	17.91	682	730	179,056	
630-08-0	Carbon Monoxide	0.014	0.015	ND	136	146	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.11	136	146	1,055	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614452A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	52		SF:	2	
Description:	T-410		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 11:09	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:15	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	709				
Can Factor	1.36				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**29565**
7727-37-9	Nitrogen	03	2.05	2.02	**166155**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**376**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

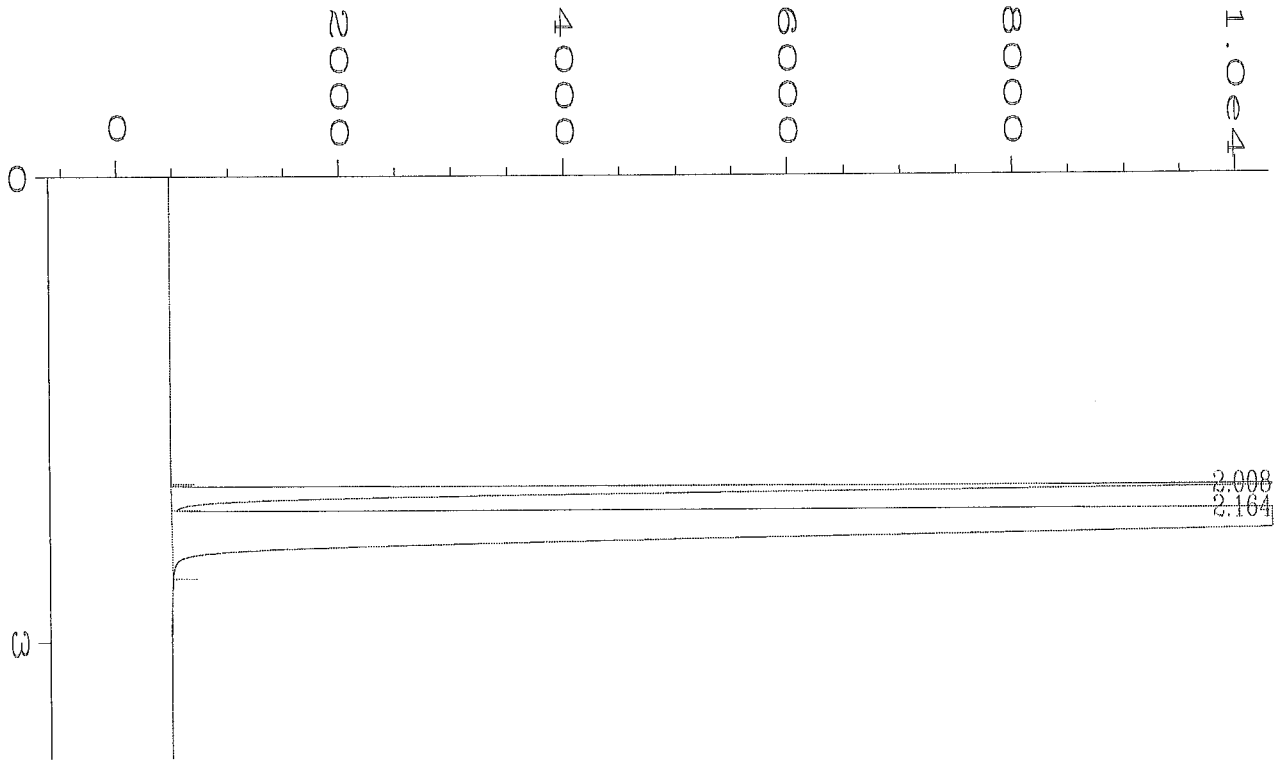
SDG: 226144
Laboratory Number: 52

File Name:	2614452A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.36				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.36		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.518	0.555	0.518	0.554	5,183	5,546	U
Oxygen	32.00	17.91	17.91	17.91	179,056	17.91	17.91	500	0.068	0.073	0.068	0.073	682	730	
Nitrogen	28.01	81.99	81.99	81.99	819,889	81.99	81.99	1000	0.136	0.146	0.136	0.146	1,364	1,459	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	136	146	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	136	146	U
Carbon Dioxide	44.01	0.11	0.11	0.11	1,055	0.11	0.11	100	0.014	0.015	0.014	0.015	136	146	
Sum - N2		18.01	100.00												
Sum		100.0													
Total Nitrogen		92.85													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614452MA.D
Operator : SW
Instrument : GCL
Sample Name : T-410
Run Time Bar Code:
Acquired on : 01 Sep 26 08:15 PM
Report Created on: 03 Sep 26 01:38 PM

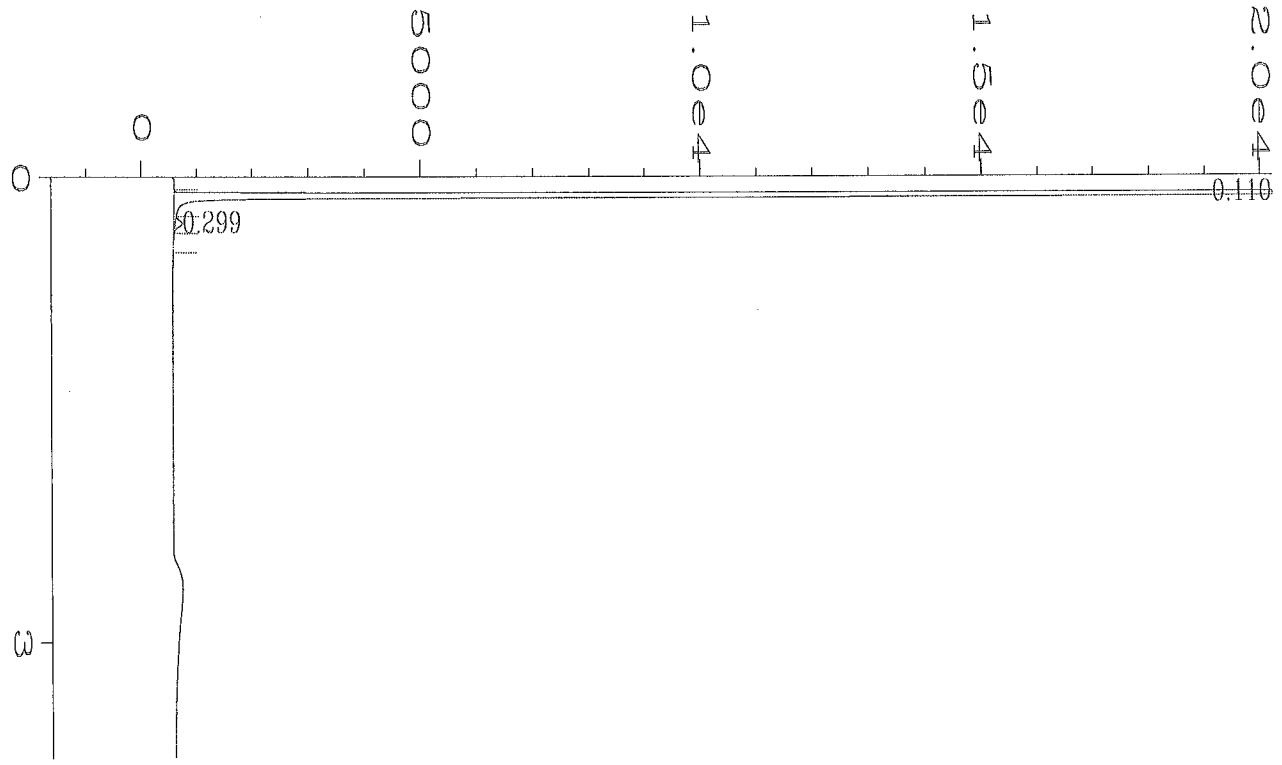
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614452MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.008	29565	11288	BV	0.035	15.1056
2	2.164	166155	22537	VB	0.100	84.8944

Total area = 195720

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Area Percent Report

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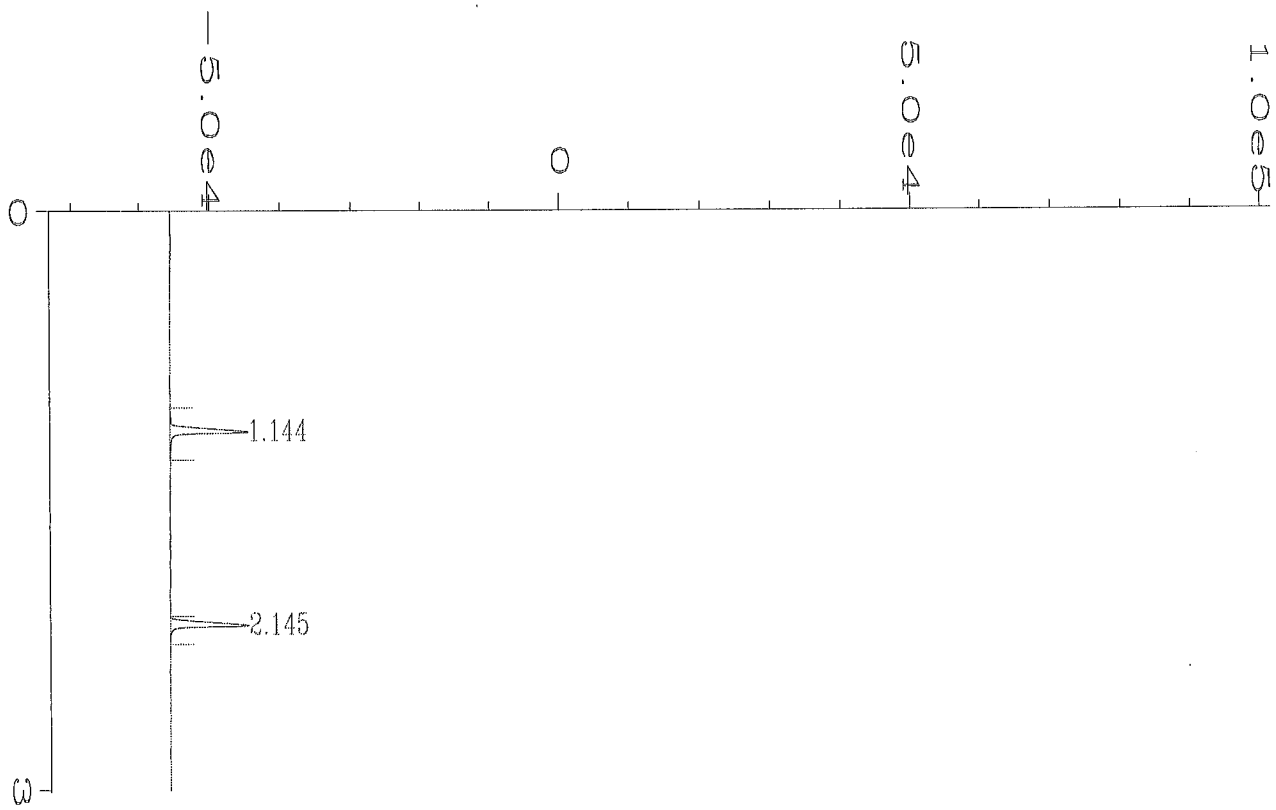
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614452PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-410
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:15 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:39 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614452PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	255072	251817	BB S	0.044	99.8527
2	0.299	376	127	BV T	0.047	0.1473

Total area = 255448

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614452A.D
Operator : SW
Instrument : GCL
Sample Name : T-410
Run Time Bar Code:
Acquired on : 08 Sep 26 06:11 PM
Report Created on: 09 Aug 26 12:59 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614452A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.144	19554	11217	VV	0.027	52.4760
2	2.145	17709	11459	PV	0.036	47.5240

Total area = 37263

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **53**

Client ID T-411

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 53

File Name: 2614453A
Description: T-411
Can/Tube#: 750
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:20
Can Dilution Factor: 1.30

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.495	0.530	ND	4,947	5,293	ND	ND
7782-44-7	Oxygen	0.065	0.070	19.52	651	696	195,231	
630-08-0	Carbon Monoxide	0.013	0.014	ND	130	139	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.17	130	139	1,693	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614453A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	53		SF:	2	
Description:	T-411		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 11:07	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:20	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	750				
Can Factor	1.30				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	33774
7727-37-9	Nitrogen	03	2.05	2.02	161689
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		632

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

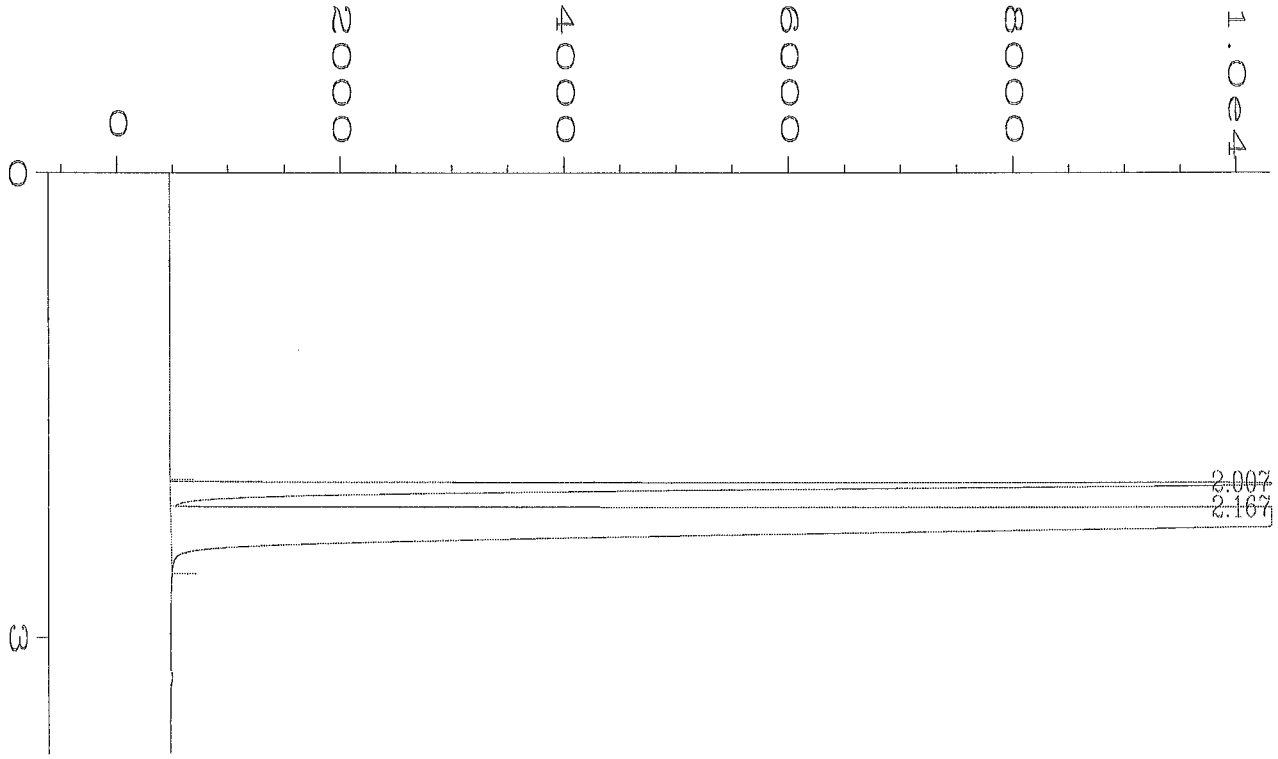
Laboratory Number: 53

File Name:	2614453A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.30				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.30		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.495	0.529	0.495	0.530	4,947	5,293	U
Oxygen	32.00	19.52	19.52	19.52	195,231	19.52	19.52	500	0.065	0.070	0.065	0.070	651	696	
Nitrogen	28.01	80.31	80.31	80.31	803,076	80.31	80.31	1000	0.130	0.139	0.130	0.139	1,302	1,393	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	130	139	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	130	139	U
Carbon Dioxide	44.01	0.17	0.17	0.17	1,693	0.17	0.17	100	0.013	0.014	0.013	0.014	130	139	
Sum - N2		19.69	100.00												
Sum		100.0													
Total Nitrogen		86.24													

6826188

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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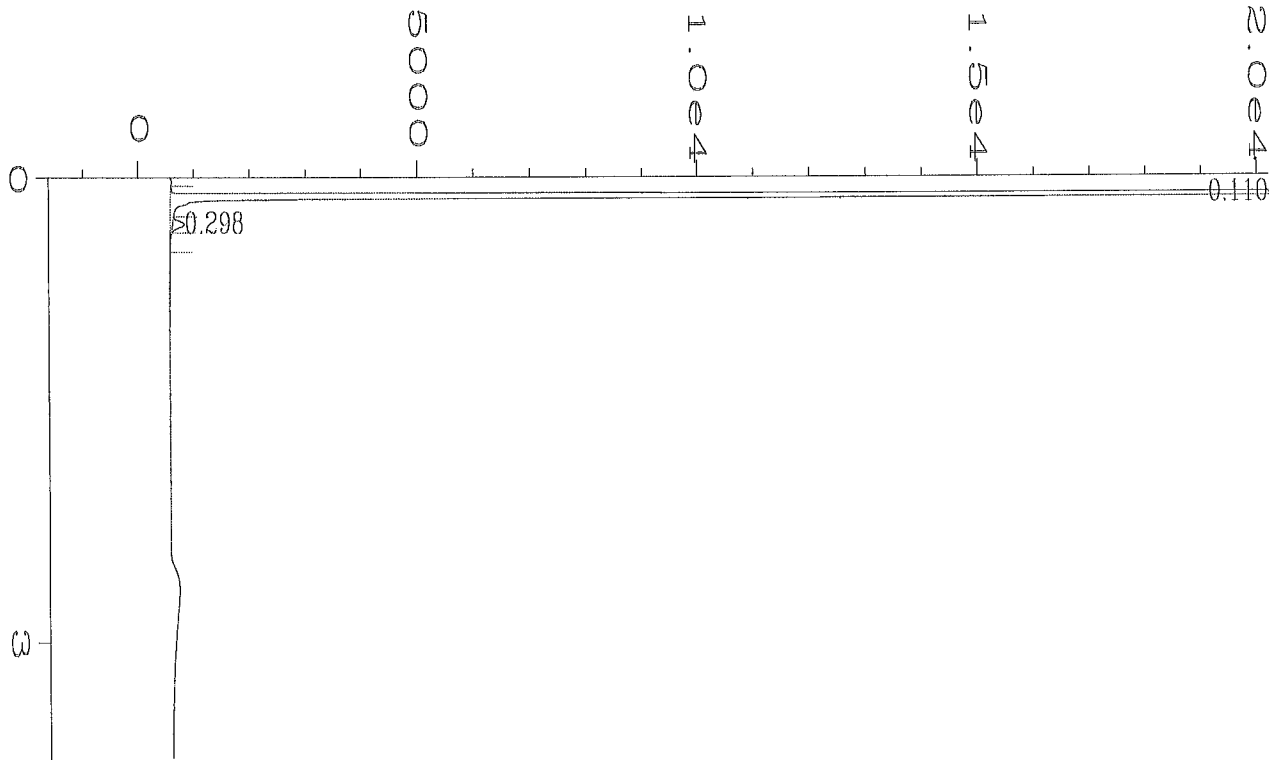
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614453MA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-411
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:20 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:39 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614453MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.007	33774	11793	BV	0.038	17.2788
2	2.167	161689	22249	VB	0.093	82.7212

Total area = 195463

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Area Percent Report

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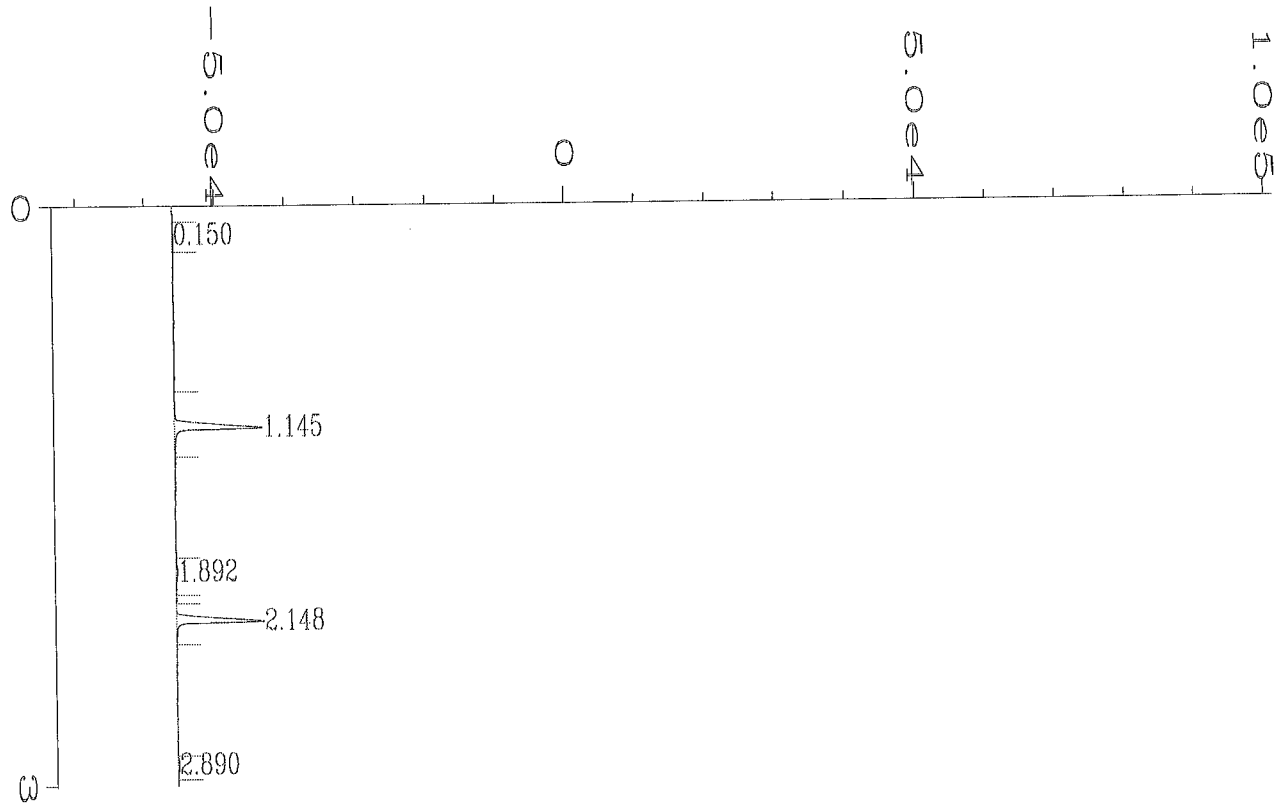
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614453PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-411
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:20 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:39 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614453PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	248537	239235	BB S	0.030	99.7462
2	0.298	632	225	BV T	0.043	0.2538

Total area = 249169

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614453A.D
Operator : SW
Instrument : GCL
Sample Name : T-411
Run Time Bar Code:
Acquired on : 08 Sep 26 06:15 PM
Report Created on: 09 Aug 26 12:59 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614453A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.150	1204	164	VV	0.105	2.6081
2	1.145	22678	12917	PV	0.036	49.1080
3	1.892	1220	257	VV	0.060	2.6425
4	2.148	20298	12401	PV	0.025	43.9542
5	2.890	779	212	VV	0.048	1.6872

Total area = 46179

Sample Data Packages

SDG Number **226144**

Lab Id Number **54**

Client ID T-412

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 54

File Name: 2614454A
Description: T-412
Can/Tube#: 503
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:07
Date Analyzed: 09/01/26 **Time:** 20:25
Can Dilution Factor: 1.51

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.573	0.613	ND	5,725	6,126	ND	ND
7782-44-7	Oxygen	0.075	0.080	15.88	753	806	158,808	
630-08-0	Carbon Monoxide	0.015	0.016	ND	151	161	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	4.93	151	161	49,270	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614454A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	54		SF:	2	
Description:	T-412		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 11:07	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:25	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	503				
Can Factor	1.51				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**23737**
7727-37-9	Nitrogen	03	2.05	2.02	**157512**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**15895**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

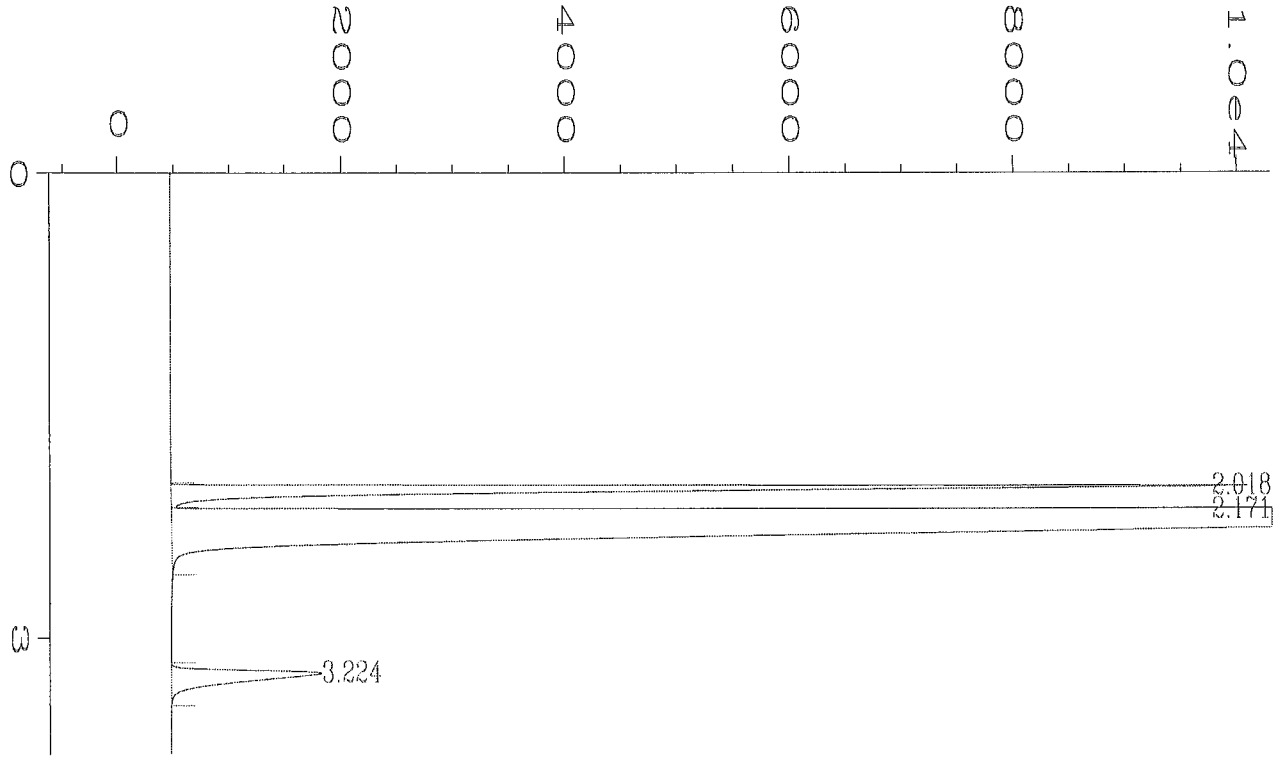
Laboratory Number: 54

File Name:	2614454A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.51				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.51		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.573	0.613	0.573	0.613	5,725	6,126	U
Oxygen	32.00	15.88	15.88	15.88	158,808	15.88	15.88	500	0.075	0.081	0.075	0.080	753	806	
Nitrogen	28.01	79.19	79.19	79.19	791,923	79.19	79.19	1000	0.151	0.161	0.151	0.162	1,507	1,612	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	151	161	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	151	161	U
Carbon Dioxide	44.01	4.93	4.93	4.93	49,270	4.93	4.93	100	0.015	0.016	0.015	0.016	151	161	
Sum - N2		20.81	100.00												
Sum		100.0													
Total Nitrogen		97.23													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614454MA.D
Operator : SW
Instrument : GCL
Sample Name : T-412
Run Time Bar Code:
Acquired on : 01 Sep 26 08:25 PM
Report Created on: 03 Sep 26 01:39 PM

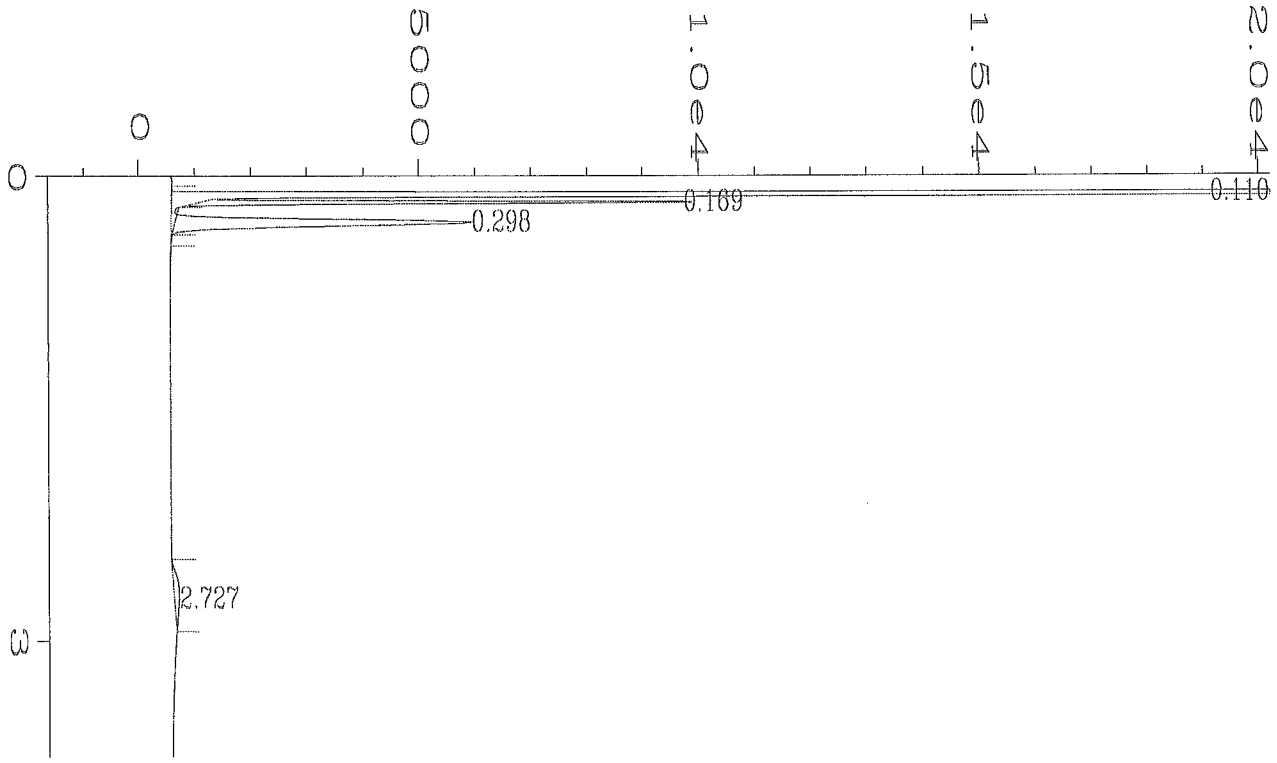
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614454MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.018	23737	9655	BV	0.034	12.6570
2	2.171	157512	22099	VB	0.095	83.9873
3	3.224	6293	1340	BB	0.071	3.3557

Total area = 187543

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614454PA.D
Operator : SW
Instrument : GCL
Sample Name : T-412
Run Time Bar Code:
Acquired on : 01 Sep 26 08:25 PM
Report Created on: 03 Sep 26 01:40 PM

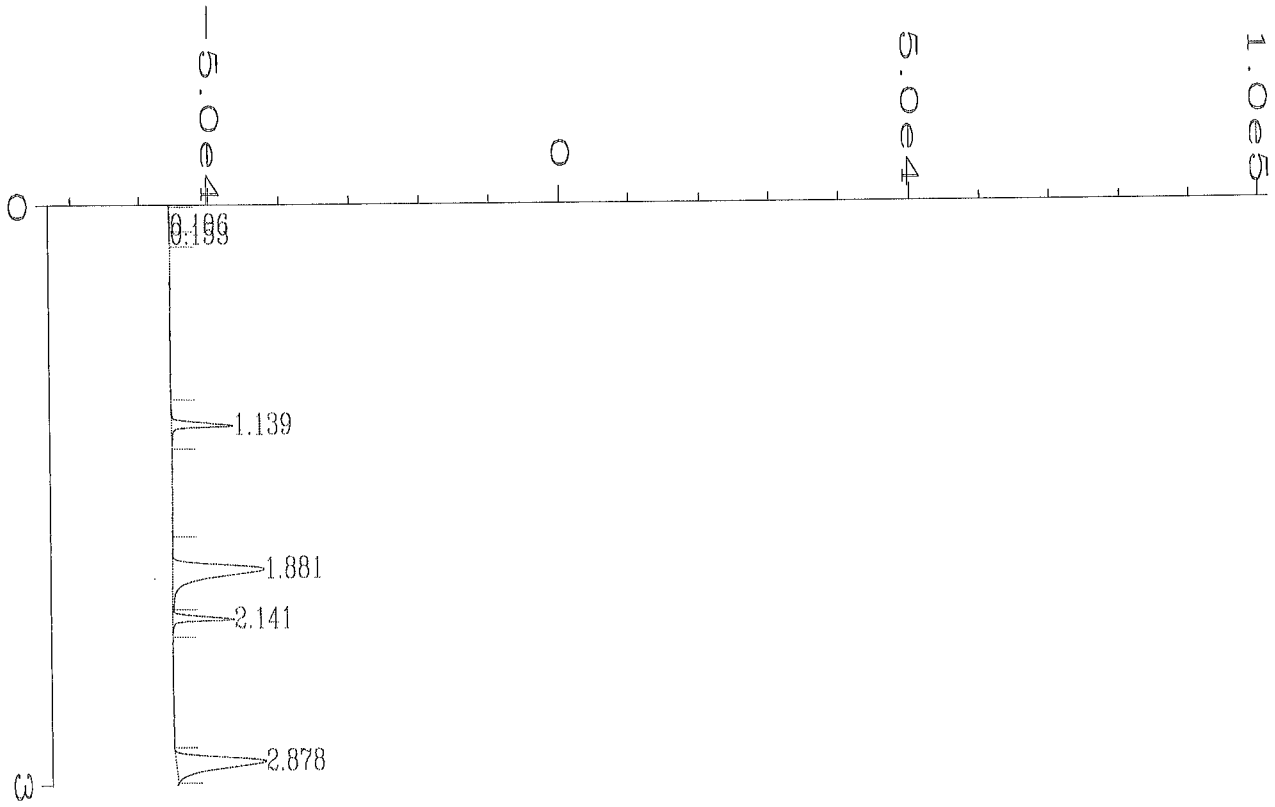
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614454PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	233424	239240	BB S	0.106	89.3503
2	0.169	10371	8779	BV T	0.019	3.9697
3	0.298	15895	5322	PB T	0.047	6.0844
4	2.727	1556	95	BB	0.223	0.5956

Total area = 261246

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614454A.D
Operator : SW
Instrument : GCL
Sample Name : T-412
Run Time Bar Code:
Acquired on : 08 Sep 26 06:23 PM
Report Created on: 09 Aug 26 01:00 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614454A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.106	401	106	BV	0.052	0.2925
2	0.153	196	102	VV	0.028	0.1430
3	1.139	14397	8914	PV	0.025	10.4920
4	1.881	56684	13170	VV	0.065	41.3100
5	2.141	14136	8886	VV	0.025	10.3023
6	2.878	51401	12973	PBA	0.061	37.4602

Total area = 137216

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Sample Data Packages

SDG Number **226144**

Lab Id Number **55**

Client ID T-413

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 55

File Name: 2614455A
Description: T-413
Can/Tube#: 695
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:31
Can Dilution Factor: 1.47

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.558	0.597	ND	5,582	5,973	ND	ND
7782-44-7	Oxygen	0.073	0.078	15.91	734	786	159,104	
630-08-0	Carbon Monoxide	0.015	0.016	ND	147	157	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	4.36	147	157	43,592	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614455A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	55		SF:	2	
Description:	T-413		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 11:19	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:31	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	695				
Can Factor	1.47				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	24393
7727-37-9	Nitrogen	03	2.05	2.02	157722
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		14425

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

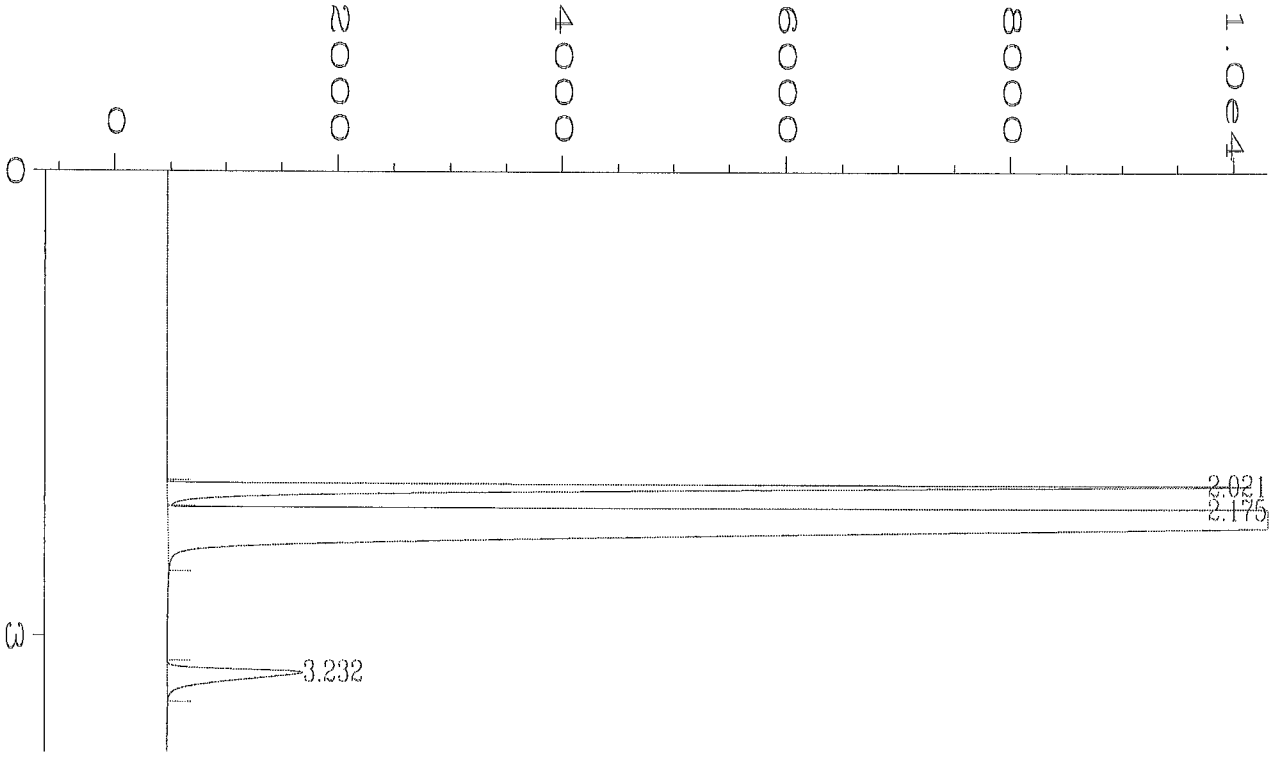
SDG: 226144
Laboratory Number: 55

File Name:	2614455A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.47				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.47		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.558	0.597	0.558	0.597	5,582	5,973	U
Oxygen	32.00	15.91	15.91	15.91	159,104	15.91	15.91	500	0.073	0.079	0.073	0.078	734	786	
Nitrogen	28.01	79.73	79.73	79.73	797,304	79.73	79.73	1000	0.147	0.157	0.147	0.157	1,469	1,572	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	147	157	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	147	157	U
Carbon Dioxide	44.01	4.36	4.36	4.36	43,592	4.36	4.36	100	0.015	0.016	0.015	0.016	147	157	
Sum - N2		20.27	100.00												
Sum		100.0													
Total Nitrogen		94.92													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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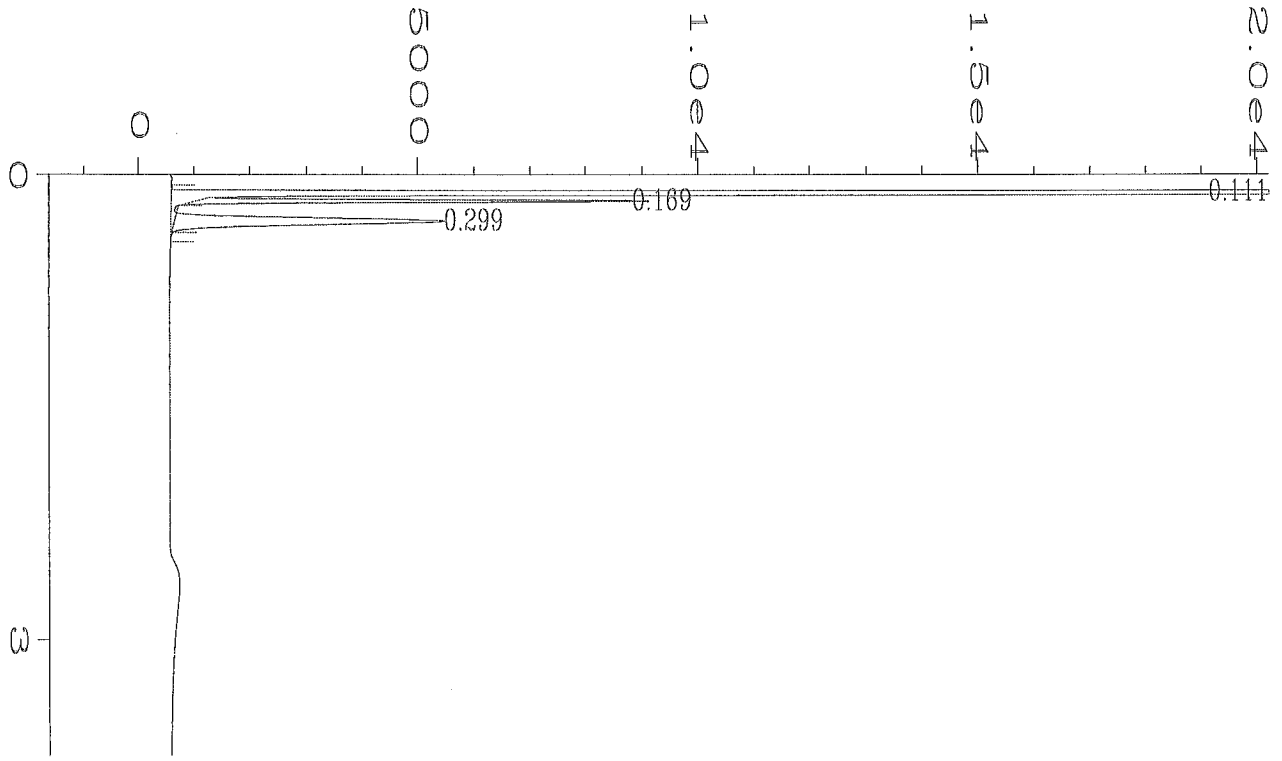
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614455MA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-413
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:31 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:40 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614455MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.021	24393	9631	BV	0.035	12.9852
2	2.175	157722	22002	VB	0.095	83.9600
3	3.232	5738	1218	BB	0.071	3.0548

Total area = 187854

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614455PA.D
Operator : SW
Instrument : GCL
Sample Name : T-413
Run Time Bar Code:
Acquired on : 01 Sep 26 08:31 PM
Report Created on: 03 Sep 26 01:40 PM

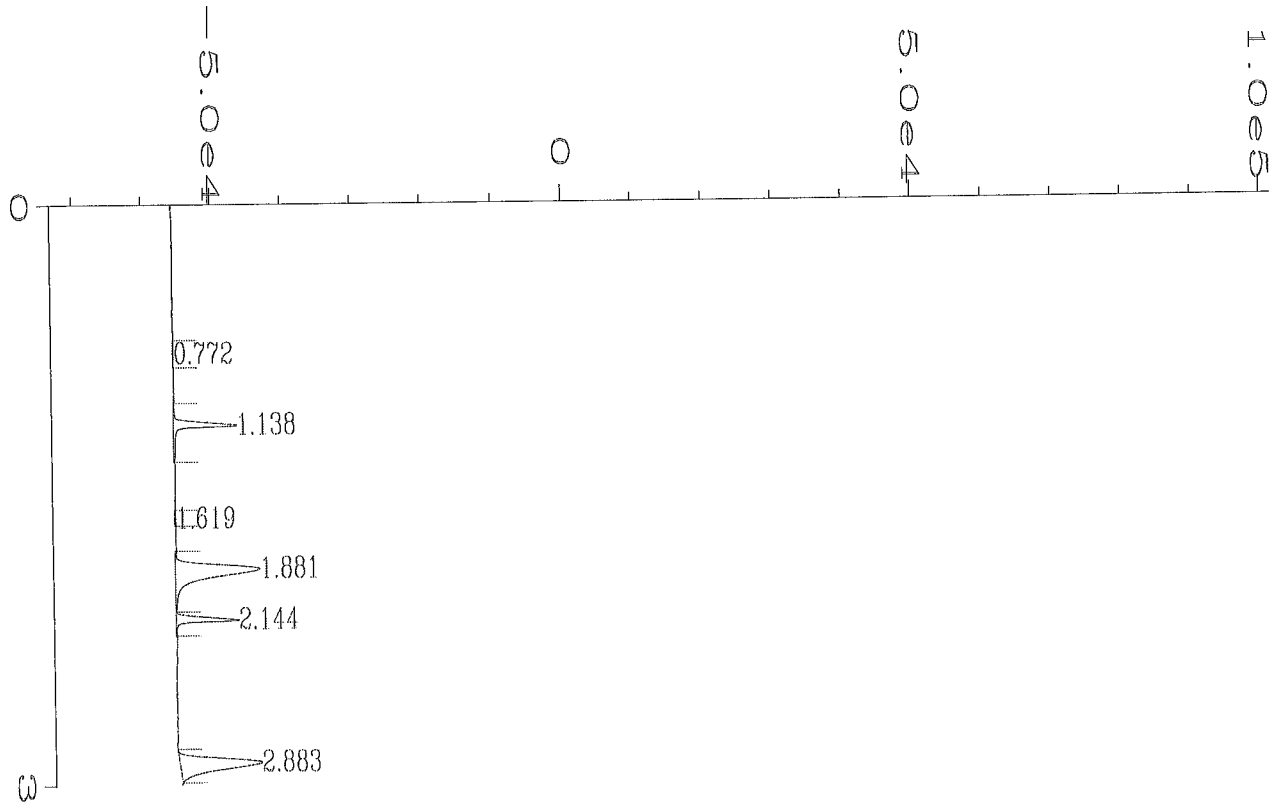
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614455PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	233797	240949	BB S	0.015	90.7286
2	0.169	9467	8013	BV T	0.019	3.6737
3	0.299	14425	4852	PB T	0.047	5.5977

Total area = 257688

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614455A.D
Operator : SW
Instrument : GCL
Sample Name : T-413
Run Time Bar Code:
Acquired on : 08 Sep 26 06:27 PM
Report Created on: 09 Aug 26 01:00 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614455A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.772	856	147	VV	0.089	0.6418
2	1.138	17742	9203	VV	0.029	13.2973
3	1.619	717	187	VV	0.064	0.5377
4	1.881	53211	12142	VV	0.067	39.8816
5	2.144	14493	9129	VV	0.025	10.8622
6	2.883	46404	11816	PBA	0.061	34.7794

Total area = 133424

Sample Data Packages

SDG Number 226144

Lab Id Number 56

Client ID T-414

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 56

File Name: 2614456A
Description: T-414
Can/Tube#: 738
QC_Batch: 090126-GCO

Date Sampled: 07/23/26 **Time:** 11:19
Date Analyzed: 09/01/26 **Time:** 20:37
Can Dilution Factor: 1.28

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.488	0.522	ND	4,877	5,218	ND	ND
7782-44-7	Oxygen	0.064	0.068	18.46	642	687	184,600	
630-08-0	Carbon Monoxide	0.013	0.014	ND	128	137	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	128	137	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614456A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	56		SF:	2	
Description:	T-414		Not Detected Flag:	ND	
Date Sampled:	07/23/26	Time: 11:19	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:37	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	738				
Can Factor	1.28				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**32392**
7727-37-9	Nitrogen	03	2.05	2.02	**166666**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

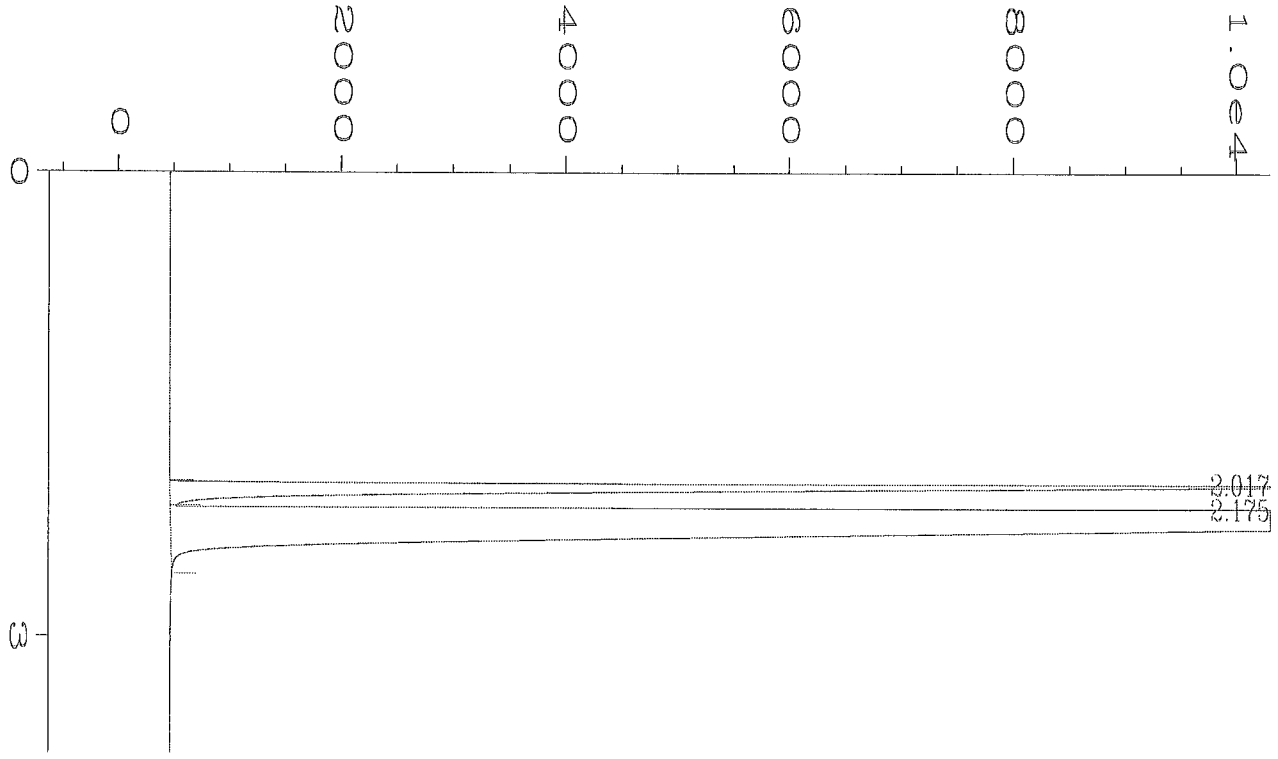
Laboratory Number: 56

File Name:	2614456A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.28				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.28		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.488	0.522	0.488	0.522	4,877	5,218	U
Oxygen	32.00	18.46	18.46	18.46	184,600	18.46	18.46	500	0.064	0.069	0.064	0.068	642	687	
Nitrogen	28.01	81.54	81.54	81.54	815,400	81.54	81.54	1000	0.128	0.137	0.128	0.137	1,283	1,373	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	128	137	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	128	137	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	128	137	U
Sum - N2		18.46	100.00												
Sum		100.0													
Total Nitrogen		87.64													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614456MA.D
Operator : SW
Instrument : GCL
Sample Name : T-414
Run Time Bar Code:
Acquired on : 01 Sep 26 08:37 PM
Report Created on: 03 Sep 26 01:40 PM

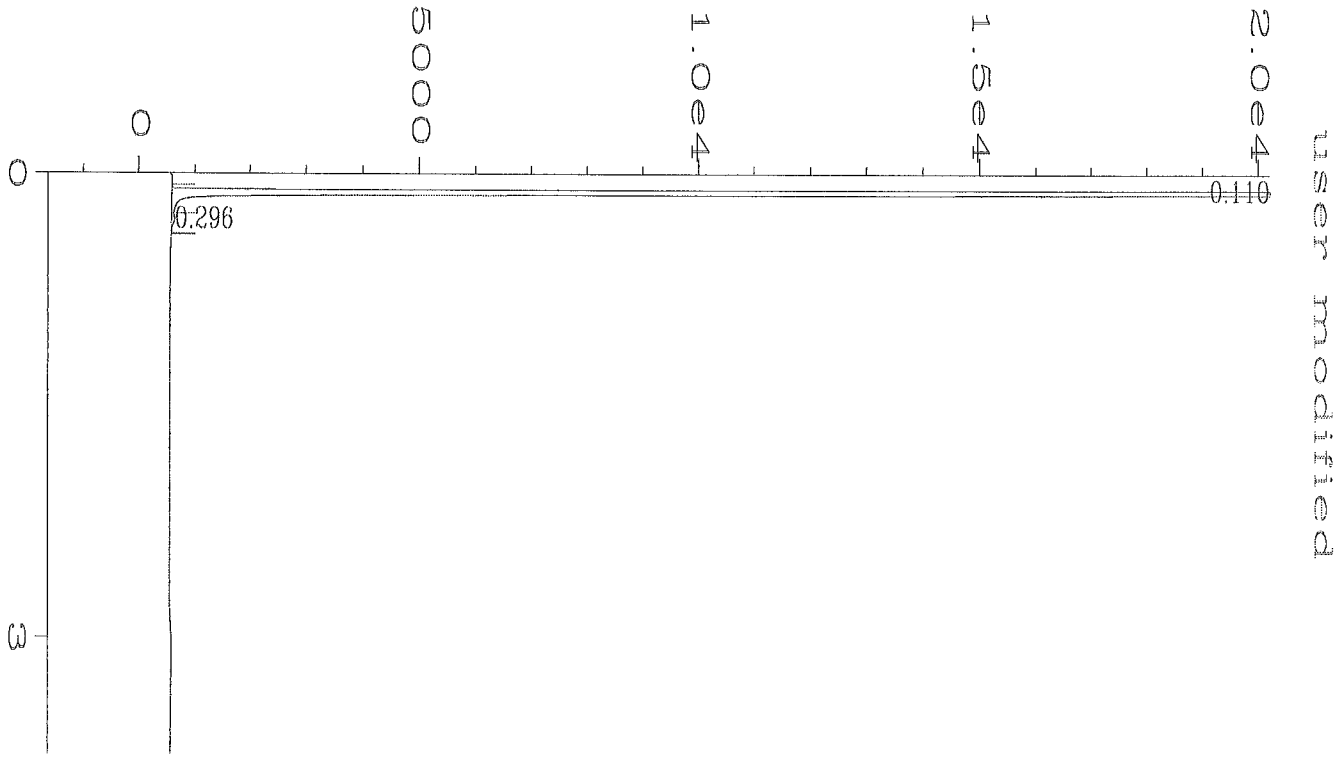
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614456MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.017	32392	11496	BV	0.047	16.2727
2	2.175	166666	22591	VB	0.095	83.7273

Total area = 199058

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614456PA.D
Operator : SW
Instrument : GCL
Sample Name : T-414
Run Time Bar Code:
Acquired on : 01 Sep 26 08:37 PM
Report Created on: 03 Sep 26 01:41 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

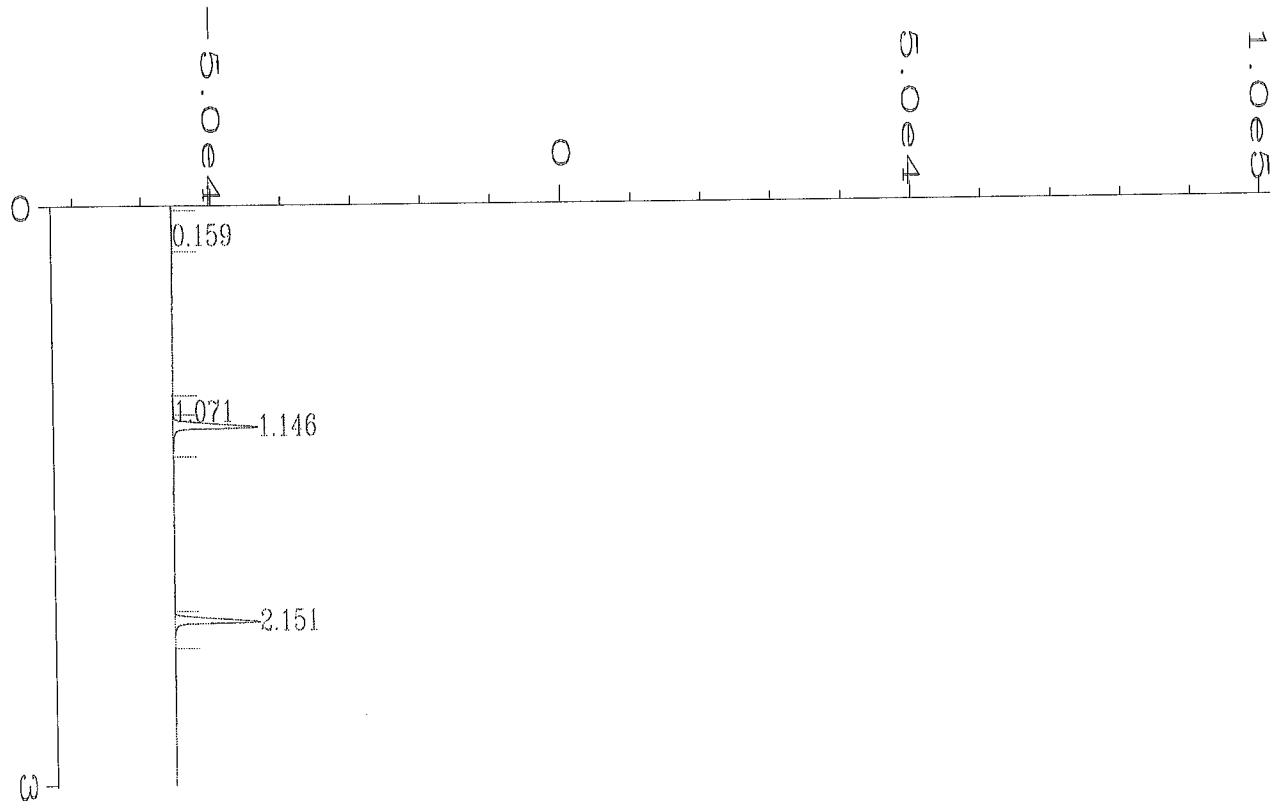
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614456PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	260711	250888	BB S	0.016	99.9060
2	0.296	245	62	MM	0.066	0.0940

Total area = 260956

User Modified

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614456A.D
Operator : SW
Instrument : GCL
Sample Name : T-414
Run Time Bar Code:
Acquired on : 08 Sep 26 06:33 PM
Report Created on: 09 Aug 26 01:01 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614456A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.159	780	119	BV	0.096	1.8899
2	1.071	370	132	PV	0.037	0.8964
3	1.146	20435	12223	VV	0.026	49.5422
4	2.151	19663	11982	BV	0.026	47.6715

Total area = 41247

Sample Data Packages

SDG Number **226144**

Lab Id Number **57**

Client ID T-501

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 57

File Name: 2614457A
Description: T-501
Can/Tube#: 895
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:42
Can Dilution Factor: 1.41

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.536	0.574	ND	5,360	5,735	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.11	705	755	181,087	
630-08-0	Carbon Monoxide	0.014	0.015	ND	141	151	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	141	151	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614457A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	57		SF:	2	
Description:	T-501		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 9:22	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:42	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	895				
Can Factor	1.41				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**28912**
7727-37-9	Nitrogen	03	2.05	2.02	**168318**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

Laboratory Number: 57

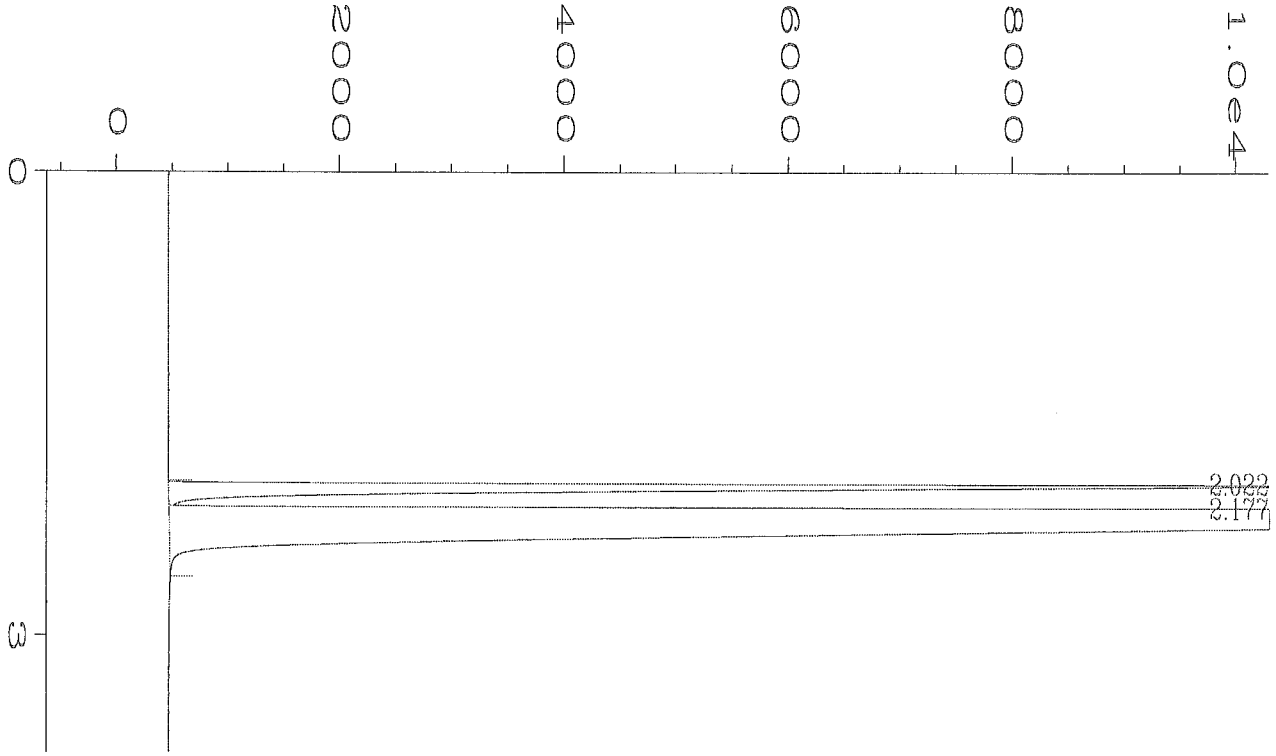
File Name:	2614457A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.41				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.41		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.536	0.574	0.536	0.574	5,360	5,735	U
Oxygen	32.00	18.11	18.11	18.11	181,087	18.11	18.11	500	0.071	0.075	0.071	0.076	705	755	
Nitrogen	28.01	81.89	81.89	81.89	818,913	81.89	81.89	1000	0.141	0.151	0.141	0.151	1,411	1,509	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	141	151	U
Sum - N2		18.11	100.00												
Sum		100.0													
Total Nitrogen		97.28													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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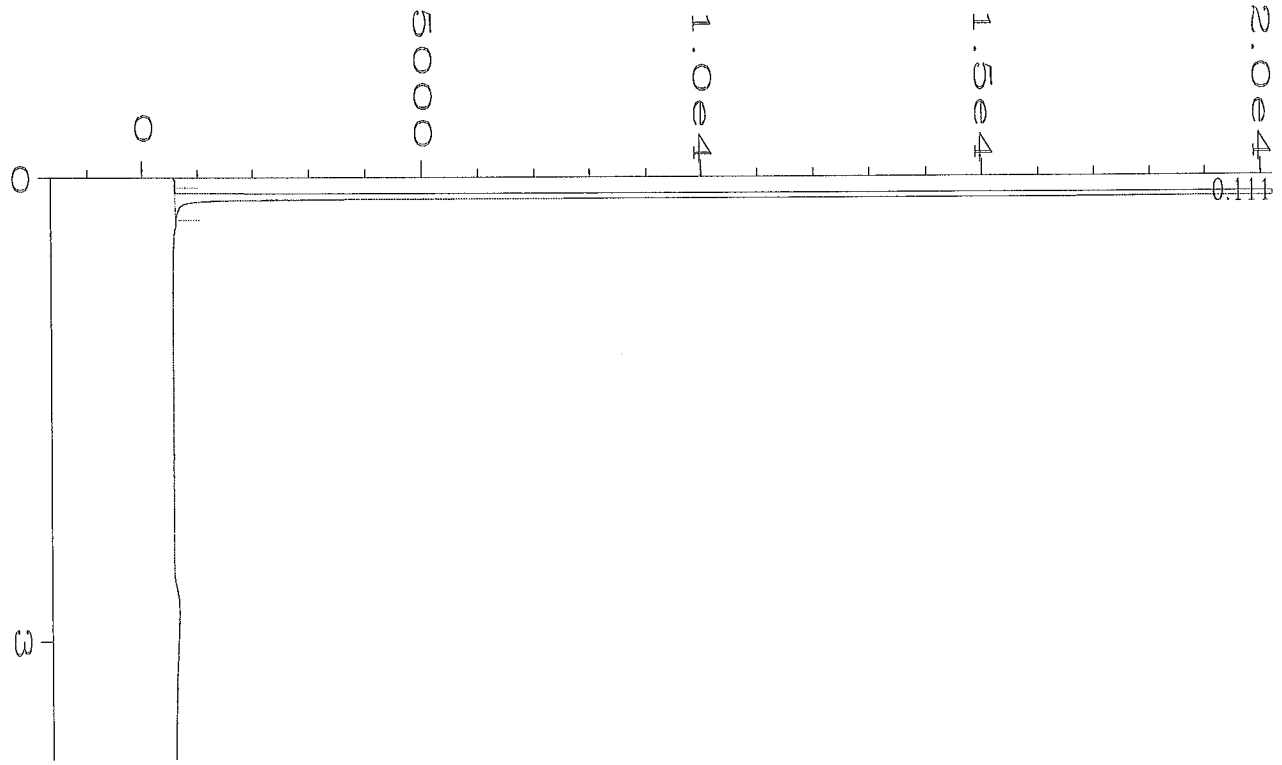
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614457MA.D
Operator : SW Page Number : 1
Instrument : GCL Vial Number :
Sample Name : T-501 Injection Number :
Run Time Bar Code: Sequence Line :
Acquired on : 01 Sep 26 08:42 PM Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:41 PM Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614457MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.022	28912	10642	BV	0.045	14.6591
2	2.177	168318	22667	VB	0.100	85.3409

Total area = 197231

==========



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Area Percent Report

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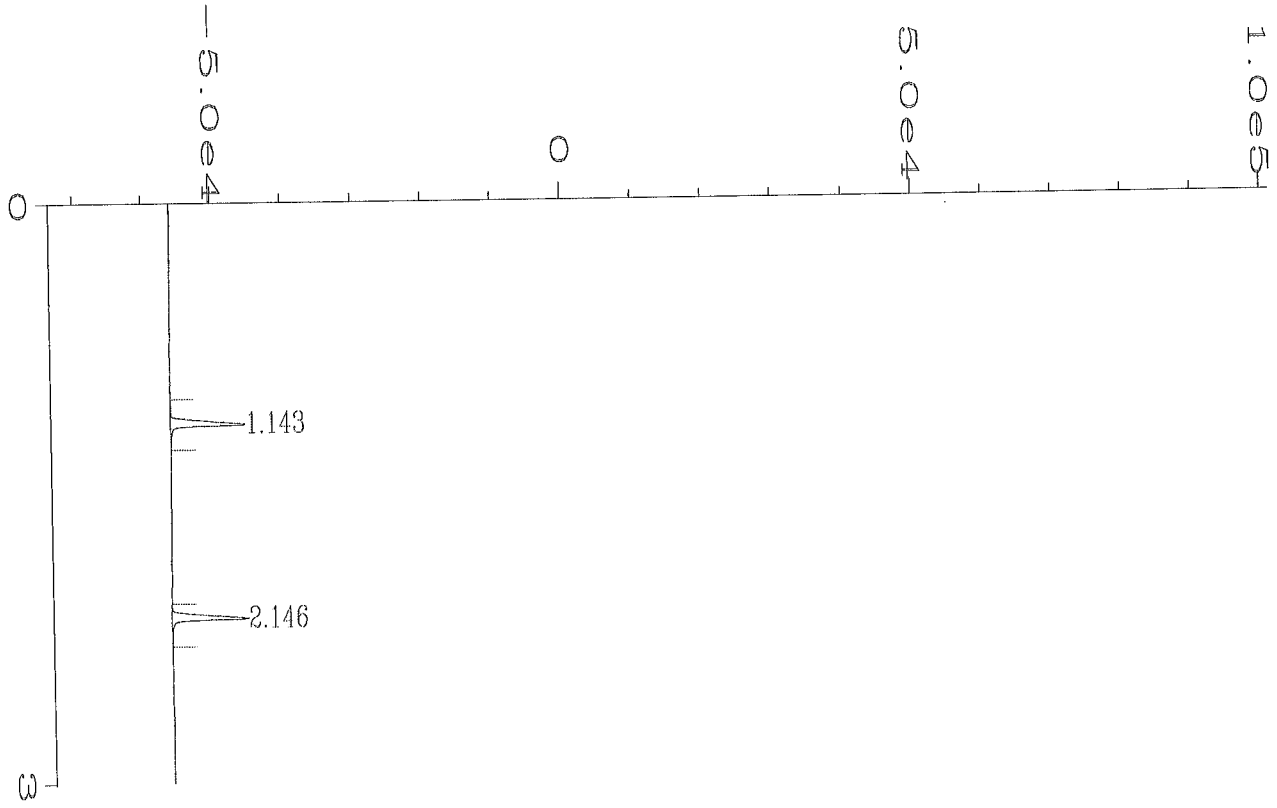
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614457PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-501
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:42 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:41 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614457PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	252149	256454	BB S	0.015	100.0000

Total area = 252149

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614457A.D
Operator : SW
Instrument : GCL
Sample Name : T-501
Run Time Bar Code:
Acquired on : 08 Sep 26 06:37 PM
Report Created on: 09 Aug 26 01:01 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614457A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.143	18294	10794	BV	0.026	50.2976
2	2.146	18078	11099	VV	0.034	49.7024

Total area = 36372

Sample Data Packages

SDG Number 226144

Lab Id Number 58

Client ID T-502

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 58

File Name: 2614458A
Description: T-502
Can/Tube#: 728
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:22
Date Analyzed: 09/01/26 **Time:** 20:48
Can Dilution Factor: 1.34

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,074	5,429	ND	ND
7782-44-7	Oxygen	0.067	0.072	20.11	668	714	201,125	
630-08-0	Carbon Monoxide	0.013	0.014	ND	134	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	134	143	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614458A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	58			SF:	2
Description:	T-502			Not Detected Flag:	ND
Date Sampled:	07/24/26	Time:	9:22	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	20:48	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	728				
Can Factor	1.34				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**33920**
7727-37-9	Nitrogen	03	2.05	2.02	**163495**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

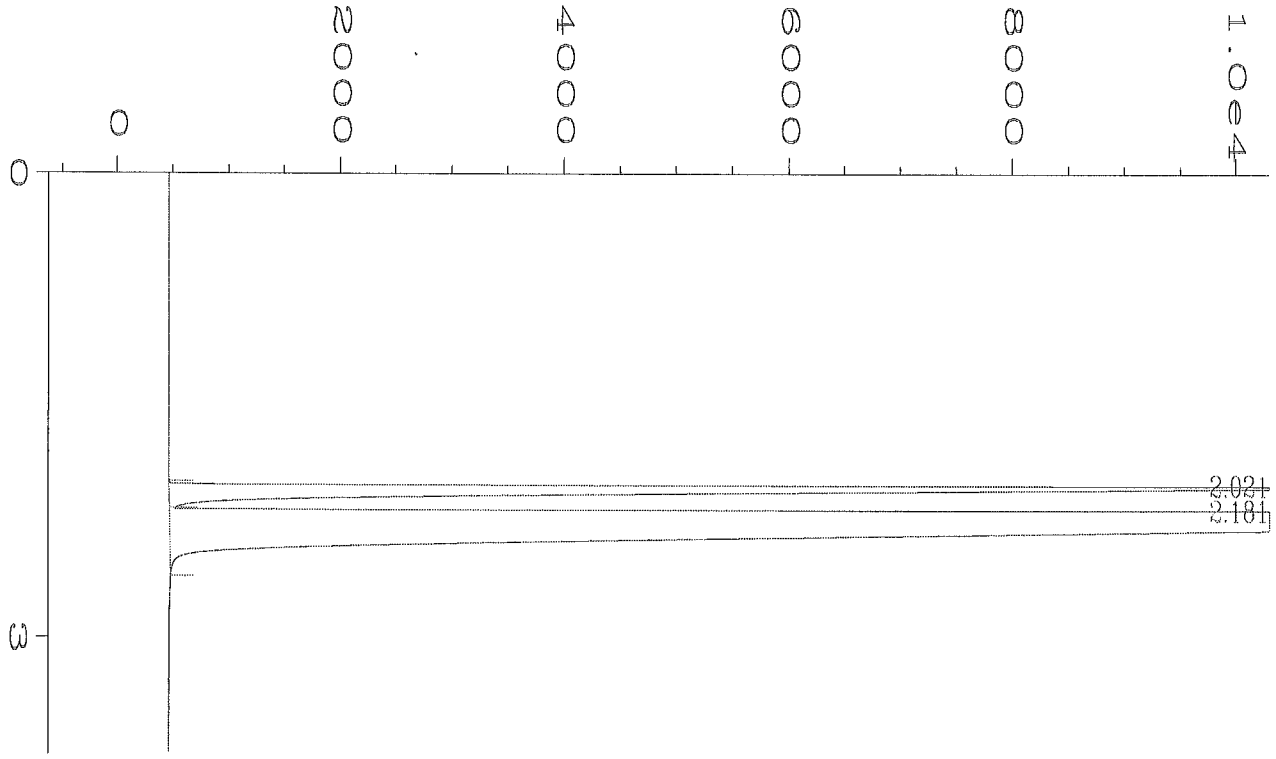
Laboratory Number: 58

File Name:	2614458A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.34				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.34		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.507	0.543	0.507	0.542	5,074	5,429	U
Oxygen	32.00	20.11	20.11	20.11	201,125	20.11	20.11	500	0.067	0.071	0.067	0.072	668	714	
Nitrogen	28.01	79.89	79.89	79.89	798,875	79.89	79.89	1000	0.134	0.143	0.134	0.143	1,335	1,429	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	134	143	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	134	143	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	134	143	U
Sum - N2		20.11	100.00												
Sum		100.0													
Total Nitrogen		89.45													

006788 of 006978

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614458MA.D
Operator : SW
Instrument : GCL
Sample Name : T-502
Run Time Bar Code:
Acquired on : 01 Sep 26 08:48 PM
Report Created on: 03 Sep 26 01:42 PM

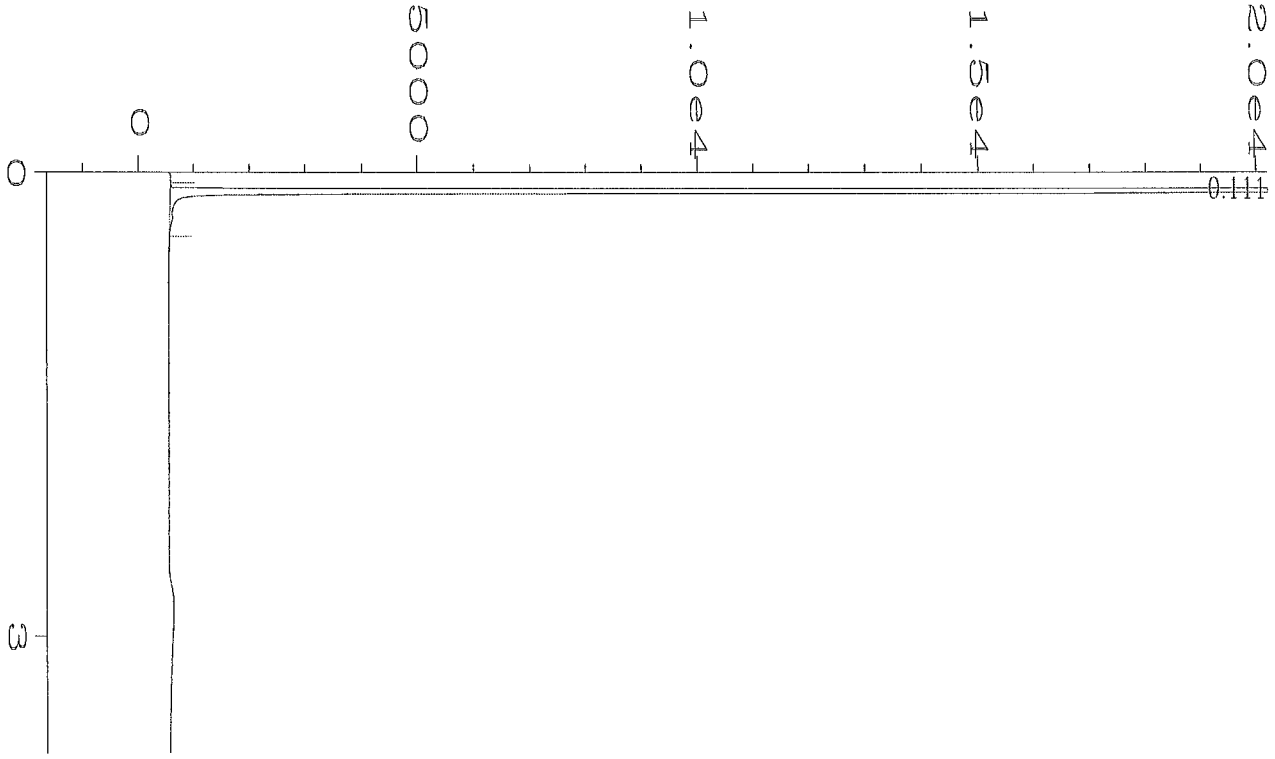
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614458MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.021	33920	12010	BV	0.038	17.1821
2	2.181	163495	22450	VB	0.098	82.8179

Total area = 197415

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Area Percent Report

==========

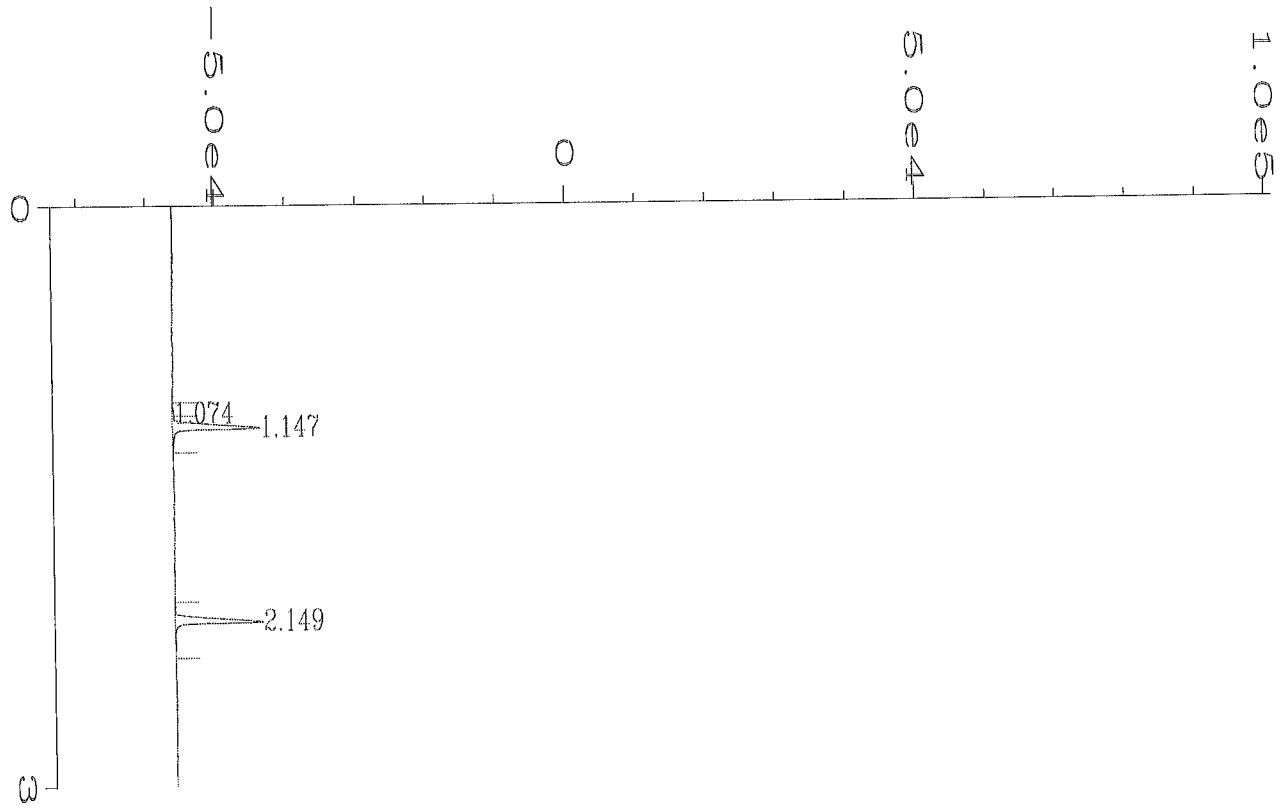
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614458PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-502
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 08:48 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:43 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614458PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	251285	261555	BB S	0.015	100.0000

Total area = 251285

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614458A.D
Operator : SW
Instrument : GCL
Sample Name : T-502
Run Time Bar Code:
Acquired on : 08 Sep 26 06:40 PM
Report Created on: 09 Aug 26 01:01 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614458A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.074	481	213	PV	0.038	1.1152
2	1.147	21666	12605	VV	0.027	50.1902
3	2.149	21020	13005	PV	0.034	48.6946

Total area = 43167

Sample Data Packages

SDG Number **226144**

Lab Id Number **59**

Client ID T-503

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 59

File Name: 2614459A
Description: T-503
Can/Tube#: 858
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:29
Date Analyzed: 09/01/26 **Time:** 20:53
Can Dilution Factor: 1.42

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.540	0.578	ND	5,397	5,775	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.25	710	760	182,476	
630-08-0	Carbon Monoxide	0.014	0.015	ND	142	152	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.13	142	152	1,347	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614459A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	59		SF:	2	
Description:	T-503		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 9:29	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 20:53	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	858				
Can Factor	1.42				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**28932**
7727-37-9	Nitrogen	03	2.05	2.02	**168782**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**461**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

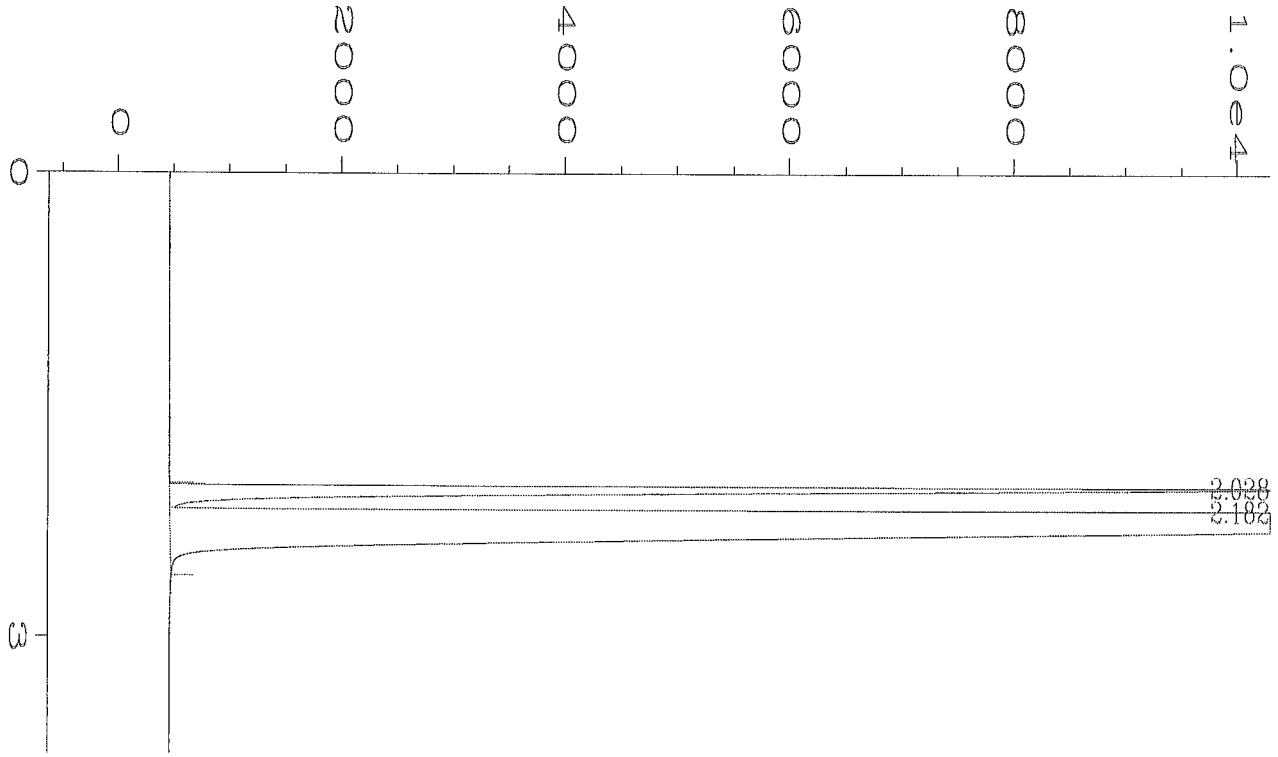
Laboratory Number: 59

File Name:	2614459A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.42				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.42		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.540	0.578	0.540	0.578	5,397	5,775	U
Oxygen	32.00	18.25	18.25	18.25	182,476	18.25	18.25	500	0.071	0.076	0.071	0.076	710	760	
Nitrogen	28.01	81.62	81.62	81.62	816,177	81.62	81.62	1000	0.142	0.152	0.142	0.152	1,420	1,520	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	142	152	U
Carbon Dioxide	44.01	0.13	0.13	0.13	1,347	0.13	0.13	100	0.014	0.015	0.014	0.015	142	152	
Sum - N2		18.38	100.00												
Sum		100.0													
Total Nitrogen		98.22													

Confidential

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614459MA.D
Operator : SW
Instrument : GCL
Sample Name : T-503
Run Time Bar Code:
Acquired on : 01 Sep 26 08:53 PM
Report Created on: 03 Sep 26 01:43 PM

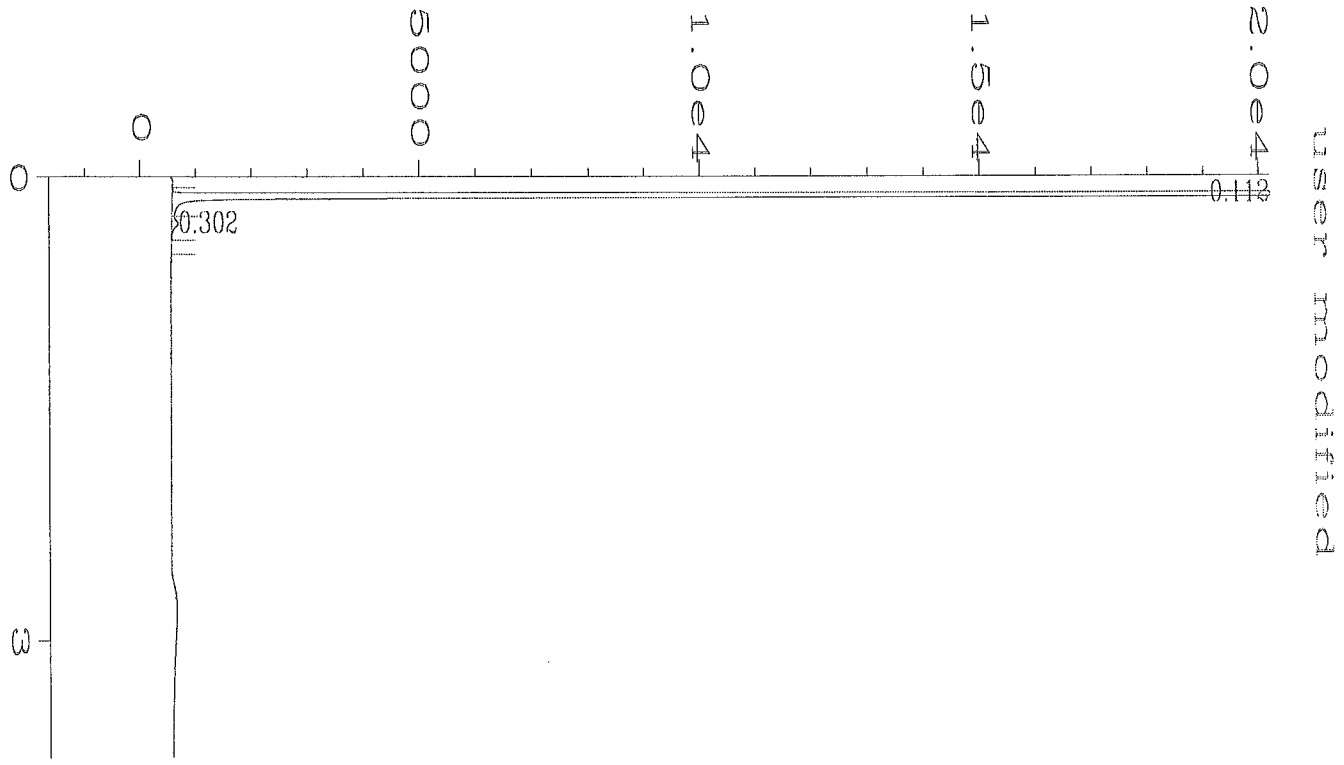
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614459MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.028	28932	10971	BV	0.036	14.6331
2	2.182	168782	23018	VB	0.090	85.3669

Total area = 197714

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614459PA.D
Operator : SW
Instrument : GCL
Sample Name : T-503
Run Time Bar Code:
Acquired on : 01 Sep 26 08:53 PM
Report Created on: 03 Sep 26 01:43 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

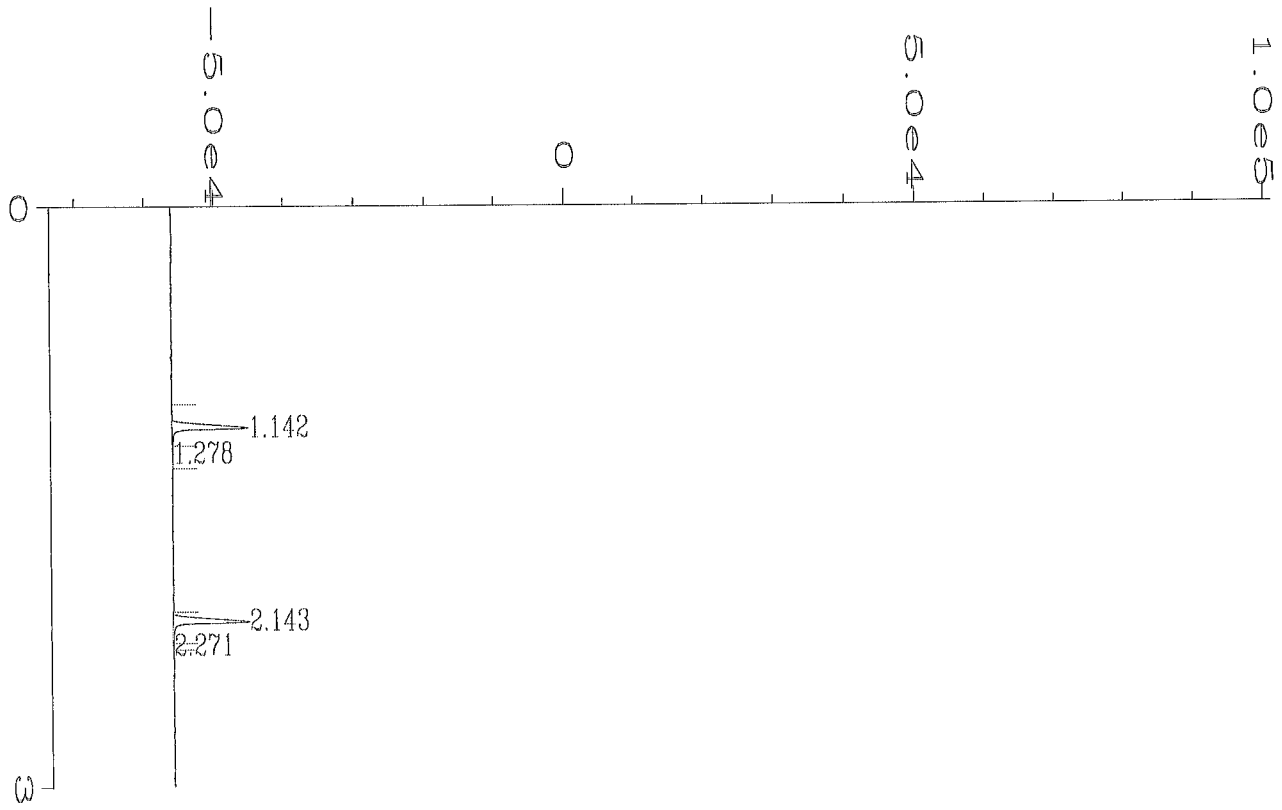
Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614459PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.112	255264	239212	BB S	0.037	99.8195
2	0.302	461	121	MM	0.064	0.1805

Total area = 255725

User Modified

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Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614459A.D
Operator : SW
Instrument : GCL
Sample Name : T-503
Run Time Bar Code:
Acquired on : 08 Sep 26 06:44 PM
Report Created on: 09 Aug 26 01:01 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614459A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.142	18091	11139	PV	0.025	48.9480
2	1.278	364	101	VB	0.048	0.9851
3	2.143	18388	11097	VV	0.026	49.7522
4	2.271	116	97	PV	0.020	0.3147

Total area = 36959

Sample Data Packages

SDG Number **226144**

Lab Id Number **60**

Client ID T-504

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 60

File Name: 2614460A
Description: T-504
Can/Tube#: 556
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 9:21
Date Analyzed: 09/01/26 **Time:** 20:59
Can Dilution Factor: 1.46

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.554	0.593	ND	5,543	5,931	ND	ND
7782-44-7	Oxygen	0.073	0.078	18.57	729	780	185,742	
630-08-0	Carbon Monoxide	0.015	0.016	ND	146	156	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	0.13	146	156	1,266	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614460A			Method:	D1945
SDG:	226144			Cal Update:	4/19/24
Lab Id:	60			SF:	2
Description:	T-504			Not Detected Flag:	ND
Date Sampled:	07/24/26	Time:	9:21	Matrix	AA
Date Received:	07/24/26	Time:	16:10	Type	TRG
Date Analyzed:	09/01/26	Time:	20:59	Instrument	GCO
QCBatch	090126-GCO			Flux Factor:	0.385 mg/m2*min
Can Number	556				
Can Factor	1.46				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**28678**
7727-37-9	Nitrogen	03	2.05	2.02	**168268**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**422**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

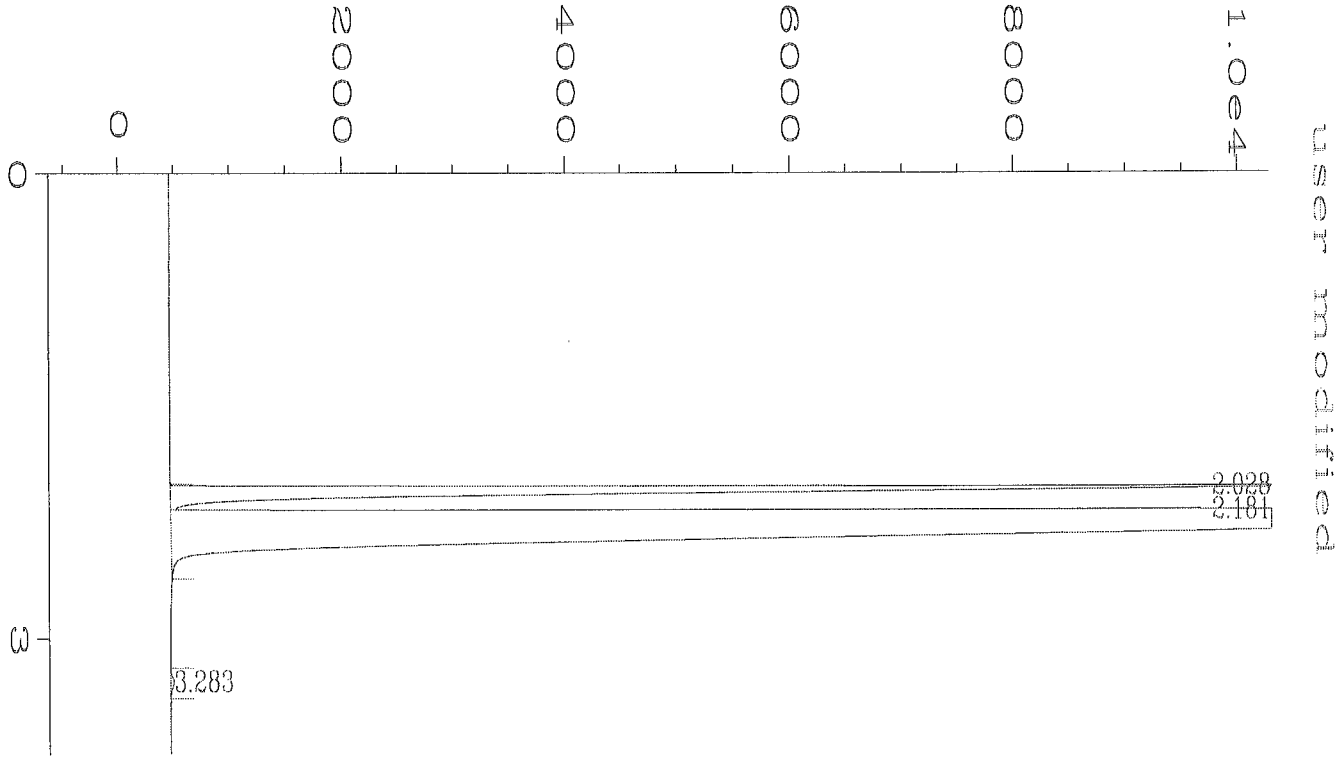
Laboratory Number: 60

File Name:	2614460A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.46				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.46		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.554	0.593	0.554	0.593	5,543	5,931	U
Oxygen	32.00	18.57	18.57	18.57	185,742	18.57	18.57	500	0.073	0.078	0.073	0.078	729	780	
Nitrogen	28.01	81.30	81.30	81.30	812,992	81.30	81.30	1000	0.146	0.156	0.146	0.156	1,459	1,561	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	146	156	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	146	156	U
Carbon Dioxide	44.01	0.13	0.13	0.13	1,266	0.13	0.13	100	0.015	0.016	0.015	0.016	146	156	
Sum - N2		18.70	100.00												
Sum		100.0													
Total Nitrogen		100.56													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614460MA.D
Operator : SW
Instrument : GCL
Sample Name : T-504
Run Time Bar Code:
Acquired on : 01 Sep 26 08:59 PM
Report Created on: 03 Sep 26 01:44 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

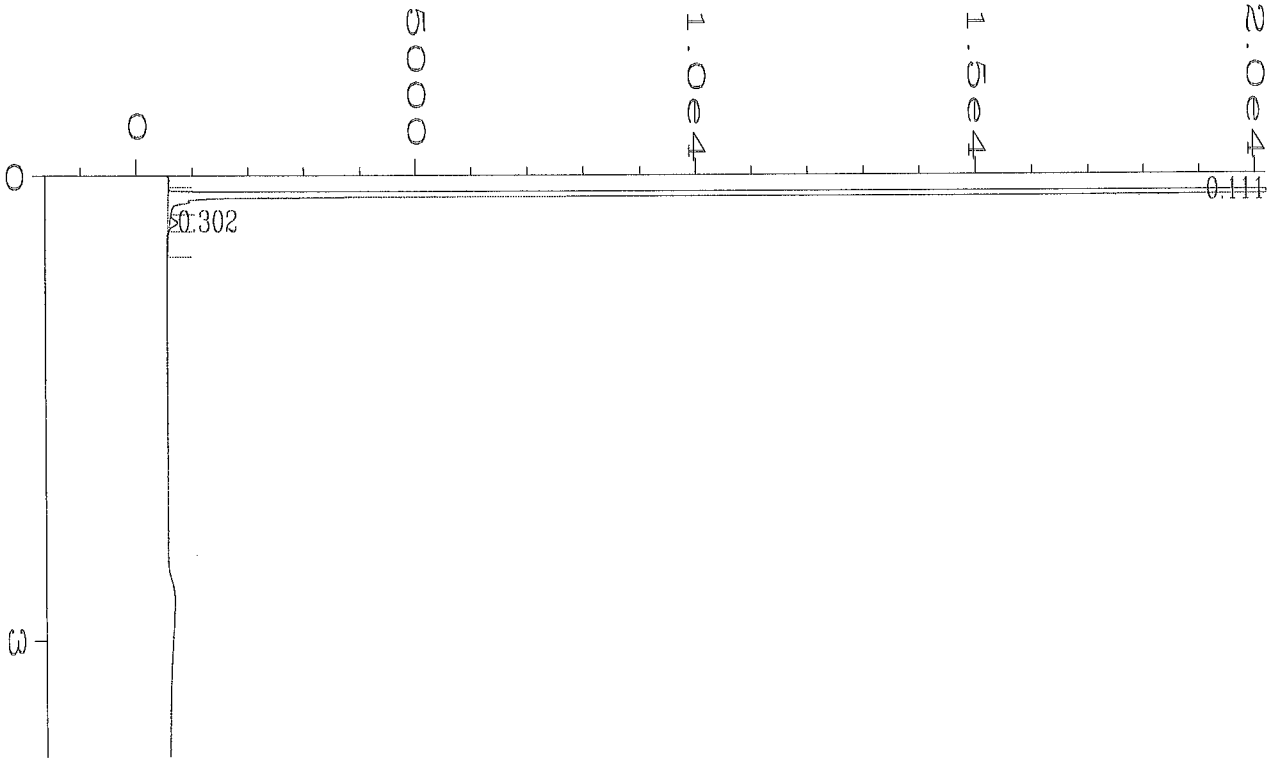
Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614460MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.028	28678	10896	BV	0.036	14.5500
2	2.181	168268	22819	VB	0.098	85.3708
3	3.283	156	32	MM	0.081	0.0793

Total area = 197103

User Modified

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614460PA.D
Operator : SW
Instrument : GCL
Sample Name : T-504
Run Time Bar Code:
Acquired on : 01 Sep 26 08:59 PM
Report Created on: 03 Sep 26 01:44 PM

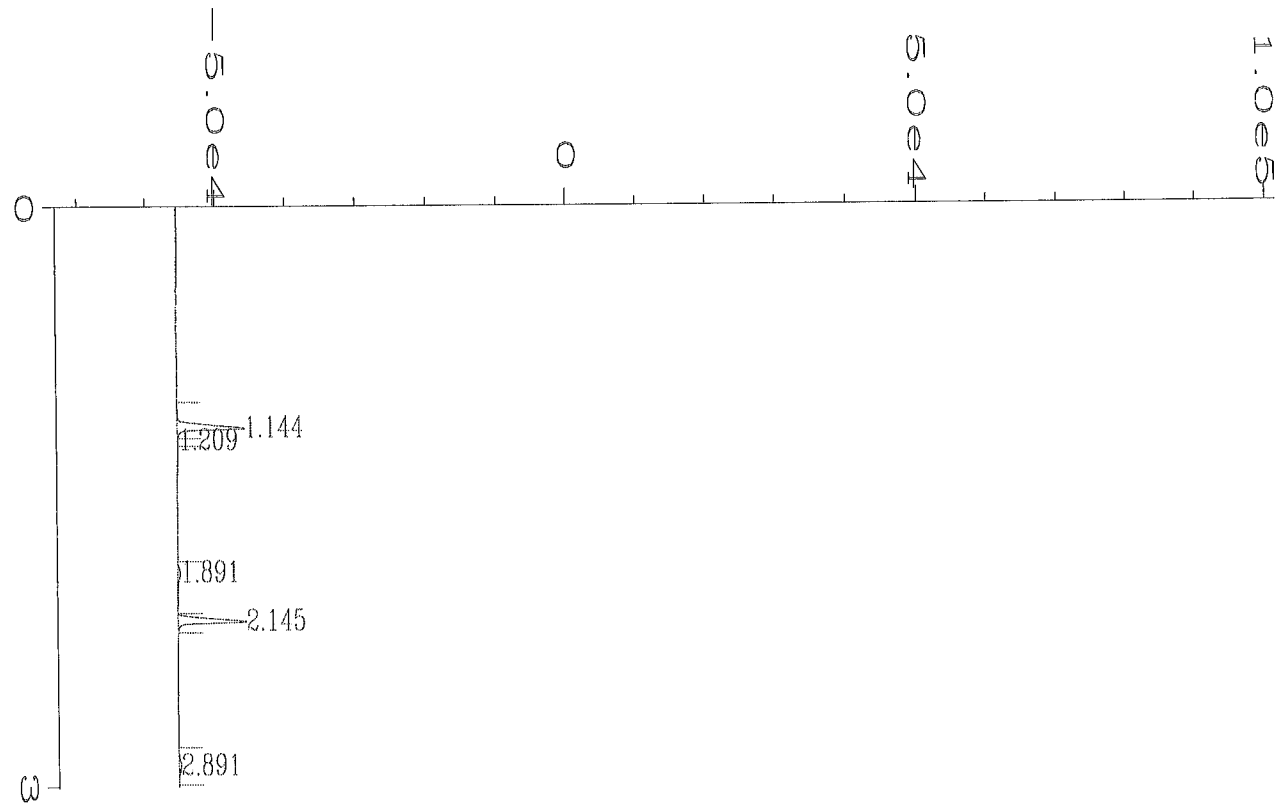
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614460PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	254429	261642	BB S	0.015	99.8344
2	0.302	422	144	BV T	0.042	0.1656

Total area = 254851

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614460B.D
Operator : SW
Instrument : GCL
Sample Name : T-504
Run Time Bar Code:
Acquired on : 08 Sep 26 06:56 PM
Report Created on: 09 Aug 26 01:02 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614460B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.144	15930	9740	PV	0.026	46.2326
2	1.209	136	94	VV	0.024	0.3938
3	1.891	1866	365	VV	0.068	5.4149
4	2.145	15168	10047	PV	0.033	44.0215
5	2.891	1357	330	PBA	0.053	3.9371

Total area = 34456

Sample Data Packages

SDG Number 226144

Lab Id Number 61

Client ID T-505

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 61

File Name: 2614461A
Description: T-505
Can/Tube#: 627
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:36
Date Analyzed: 09/01/26 **Time:** 21:04
Can Dilution Factor: 1.49

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.564	0.603	ND	5,645	6,040	ND	ND
7782-44-7	Oxygen	0.074	0.079	18.26	743	795	182,592	
630-08-0	Carbon Monoxide	0.015	0.016	ND	149	159	ND	ND
124-38-9	Carbon Dioxide	0.015	0.016	ND	149	159	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614461A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	61		SF:	2	
Description:	T-505		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 10:36	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:04	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	627				
Can Factor	1.49				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	27681
7727-37-9	Nitrogen	03	2.05	2.02	169458
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

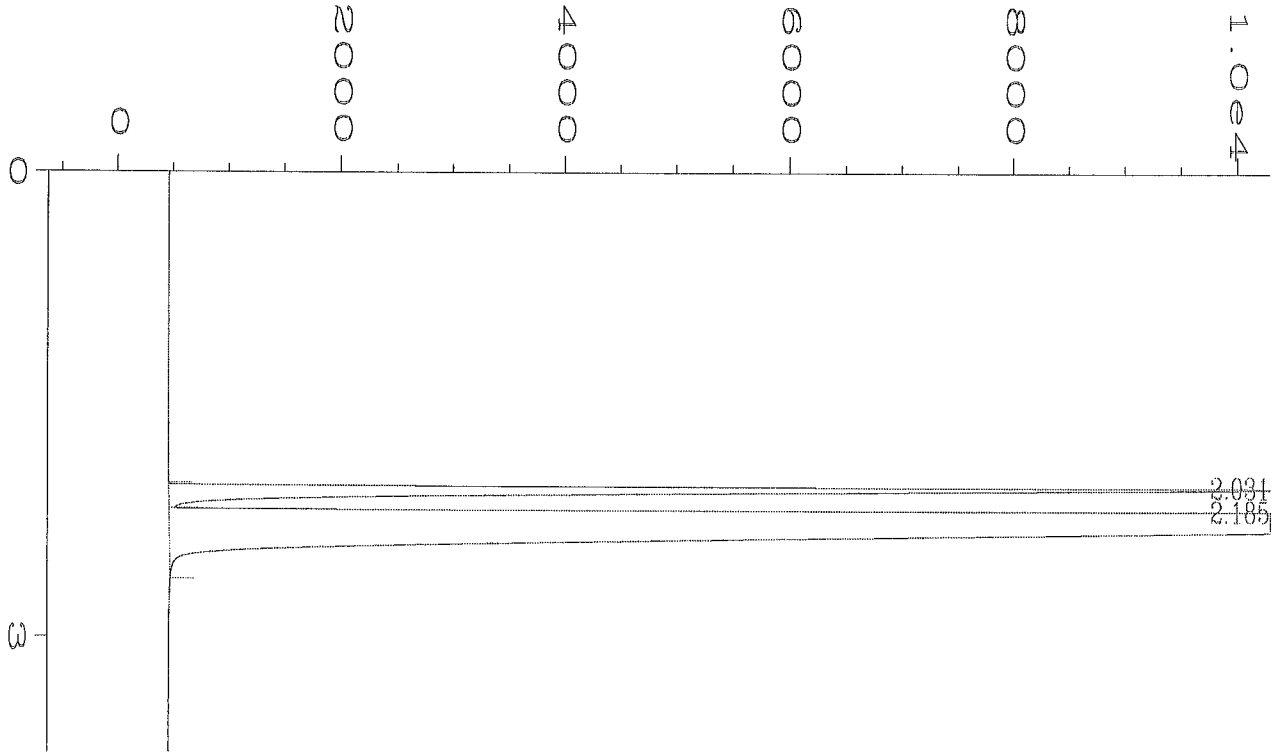
Laboratory Number: 61

File Name:	2614461A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.49				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.49		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.564	0.604	0.564	0.603	5,645	6,040	U
Oxygen	32.00	18.26	18.26	18.26	182,592	18.26	18.26	500	0.074	0.079	0.074	0.079	743	795	
Nitrogen	28.01	81.74	81.74	81.74	817,408	81.74	81.74	1000	0.149	0.159	0.149	0.159	1,486	1,590	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	149	159	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	149	159	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.015	0.016	0.015	0.016	149	159	U
Sum - N2		18.26	100.00												
Sum		100.0													
Total Nitrogen		103.14													

9966 1888

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614461MA.D
Operator : SW
Instrument : GCL
Sample Name : T-505
Run Time Bar Code:
Acquired on : 01 Sep 26 09:04 PM
Report Created on: 03 Sep 26 01:44 PM

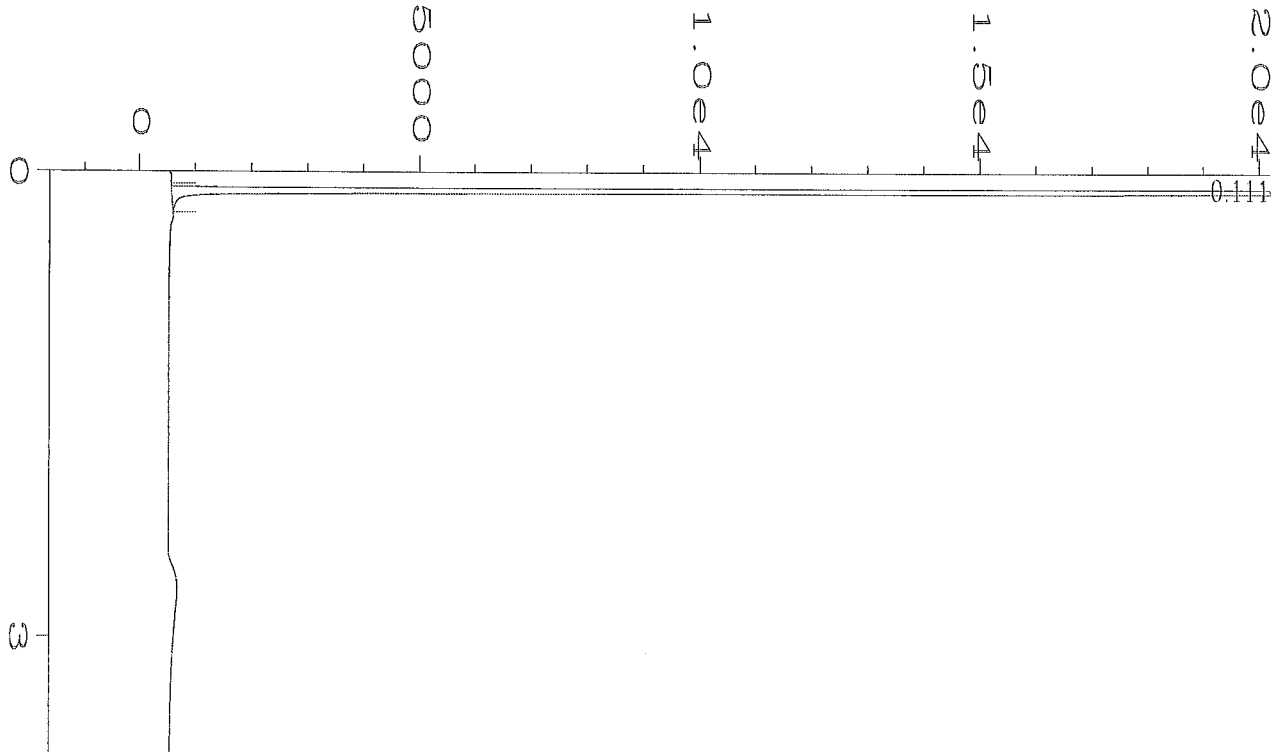
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614461MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.031	27681	10615	BV	0.035	14.0415
2	2.185	169458	22850	VB	0.096	85.9585

Total area = 197139

==========



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614461PA.D
Operator : SW
Instrument : GCL
Sample Name : T-505
Run Time Bar Code:
Acquired on : 01 Sep 26 09:04 PM
Report Created on: 03 Sep 26 01:44 PM

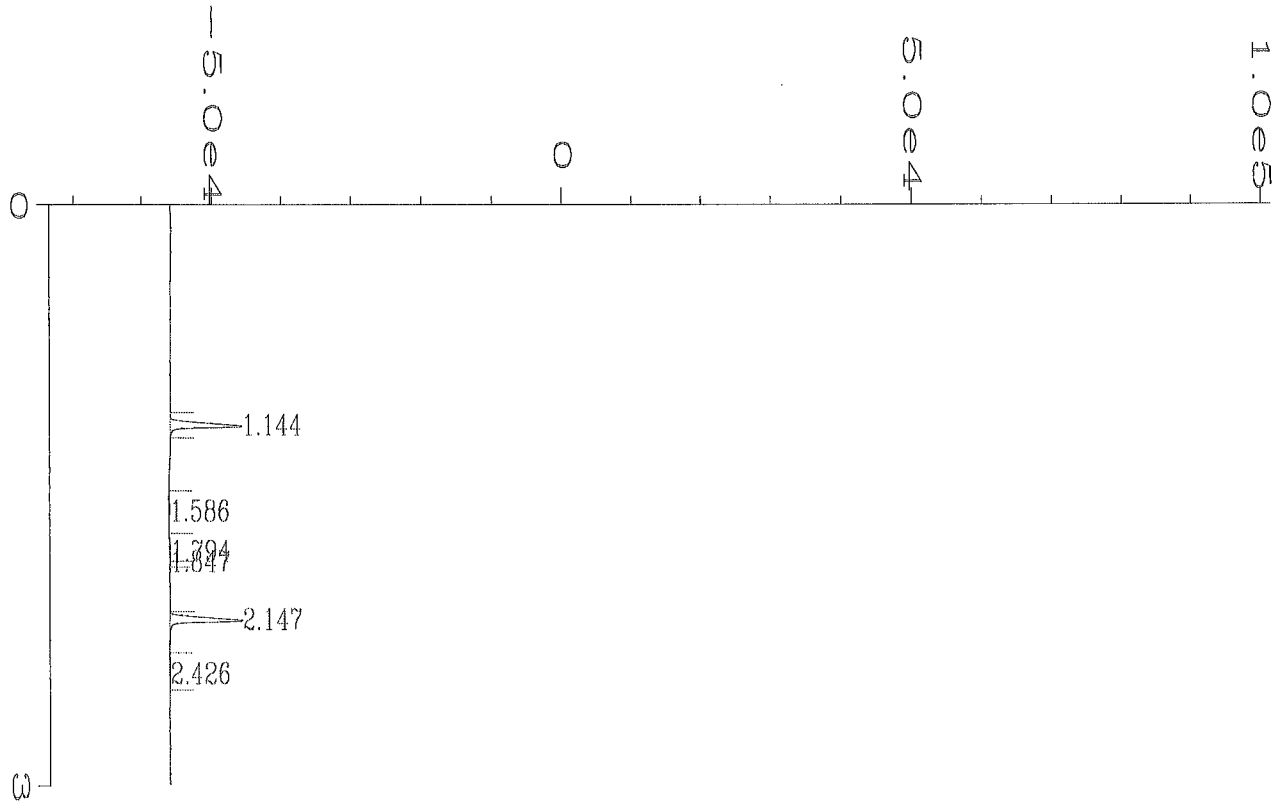
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614461PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	253341	256594	BB S	0.016	100.0000

Total area = 253341

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614461A.D
Operator : SW
Instrument : GCL
Sample Name : T-505
Run Time Bar Code:
Acquired on : 08 Sep 26 07:00 PM
Report Created on: 09 Aug 26 01:03 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614461A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.144	16514	10396	PV	0.025	45.3880
2	1.586	1054	162	PV	0.093	2.8973
3	1.794	892	142	PV	0.099	2.4518
4	1.847	60	46	VV	0.021	0.1642
5	2.147	17079	10531	BV	0.025	46.9397
6	2.426	786	126	PV	0.096	2.1590

Total area = 36384

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 62

Client ID T-506

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

SDG: 226144
Analytical Method: D1945
Laboratory Number: 62

File Name: 2614462A
Description: T-506
Can/Tube#: 760
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:31
Date Analyzed: 09/01/26 **Time:** 21:09
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.526	0.563	ND	5,256	5,624	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.57	692	740	175,657	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	148	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	148	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614462A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	62		SF:	2	
Description:	T-506		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 10:31	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:09	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	760				
Can Factor	1.38				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28600
7727-37-9	Nitrogen	03	2.05	2.02	168297
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

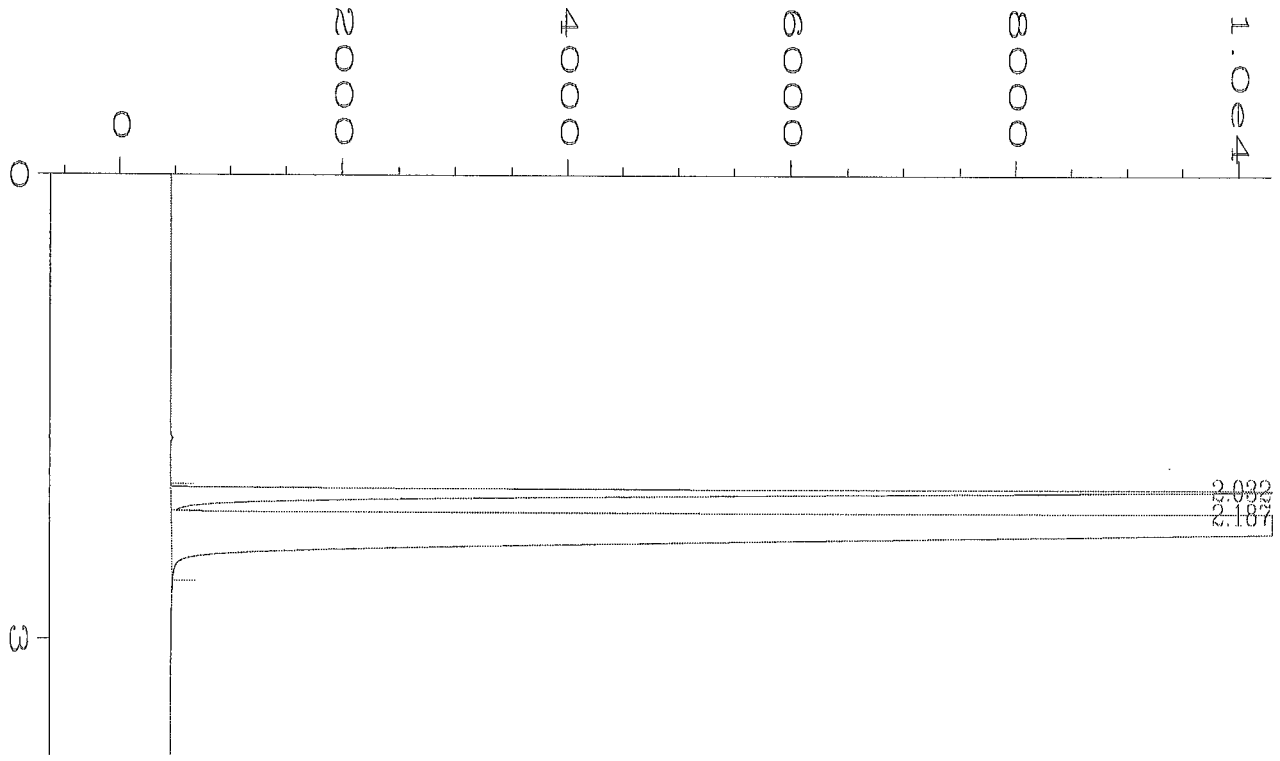
SDG: 226144

Laboratory Number: 62

File Name:	2614462A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.38				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.38		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.526	0.562	0.526	0.563	5,256	5,624	U
Oxygen	32.00	17.57	17.57	17.57	175,657	17.57	17.57	500	0.069	0.074	0.069	0.074	692	740	
Nitrogen	28.01	82.43	82.43	82.43	824,343	82.43	82.43	1000	0.138	0.148	0.138	0.148	1,383	1,480	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	148	U
Sum - N2		17.57	100.00												
Sum		100.0													
Total Nitrogen		95.38													

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614462MA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-506
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:09 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:45 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614462MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.032	28600	10534	BV	0.045	14.5254
2	2.187	168297	22640	VB	0.097	85.4746

Total area = 196897

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Area Percent Report

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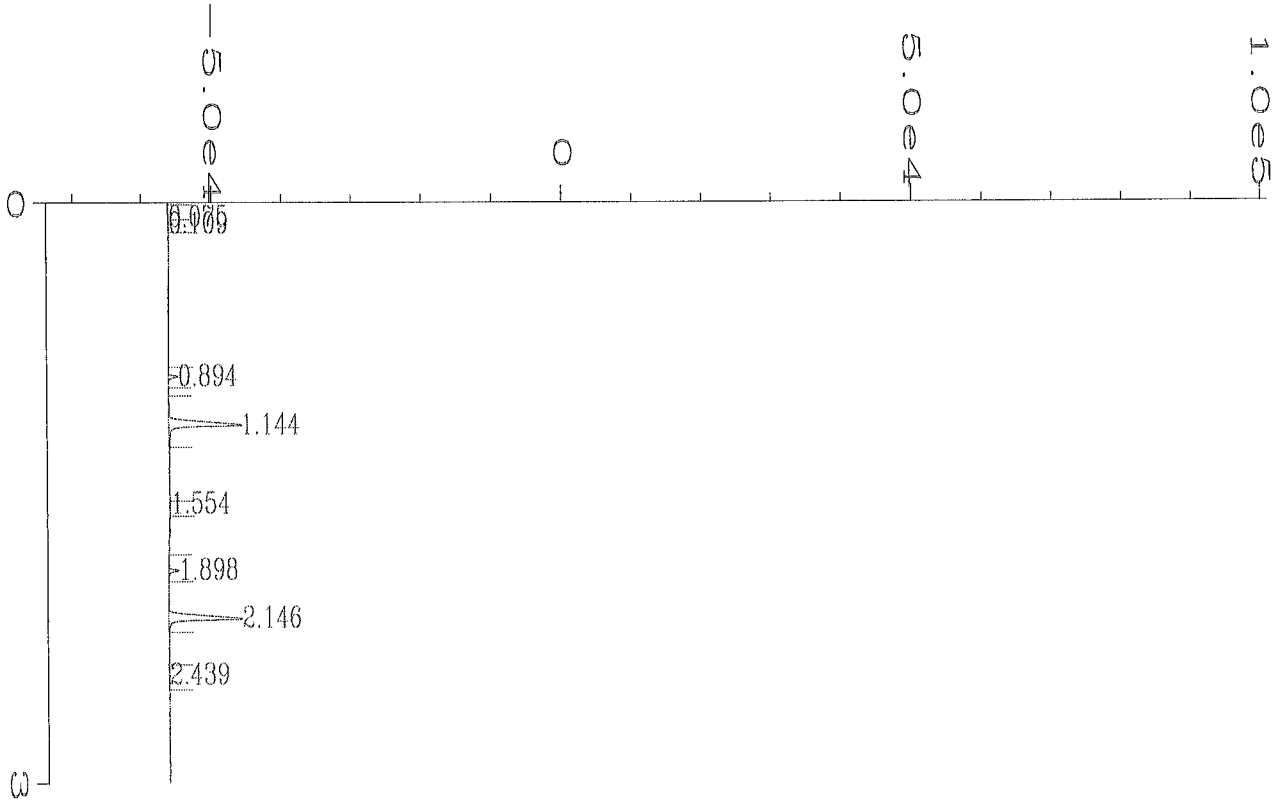
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614462PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-506
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:09 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:45 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614462PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	249098	265462	BB S	0.015	100.0000

Total area = 249098

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614462A.D
Operator : SW
Instrument : GCL
Sample Name : T-506
Run Time Bar Code:
Acquired on : 08 Sep 26 07:03 PM
Report Created on: 09 Aug 26 01:04 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614462A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.075	135	99	BV	0.023	0.3394
2	0.109	296	110	VV	0.048	0.7428
3	0.894	1234	1390	PV	0.014	3.0987
4	1.144	18317	10491	PV	0.026	46.0018
5	1.554	212	156	VB	0.023	0.5330
6	1.898	1555	1460	PV	0.016	3.9041
7	2.146	17528	10677	PV	0.026	44.0196
8	2.439	542	121	PV	0.057	1.3606

Total area = 39819

Sample Data Packages

SDG Number 226144

Lab Id Number 63

Client ID T-507

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 63

File Name: 2614463A
Description: T-507
Can/Tube#: 696
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:37
Date Analyzed: 09/01/26 **Time:** 21:15
Can Dilution Factor: 1.33

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.507	0.542	ND	5,072	5,428	ND	ND
7782-44-7	Oxygen	0.067	0.072	17.30	667	714	173,000	
630-08-0	Carbon Monoxide	0.013	0.014	ND	133	143	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	0.09	133	143	895	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614463A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	63		SF:	2	
Description:	T-507		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 10:37	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:15	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	696				
Can Factor	1.33				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29187
7727-37-9	Nitrogen	03	2.05	2.02	166522
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		326

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

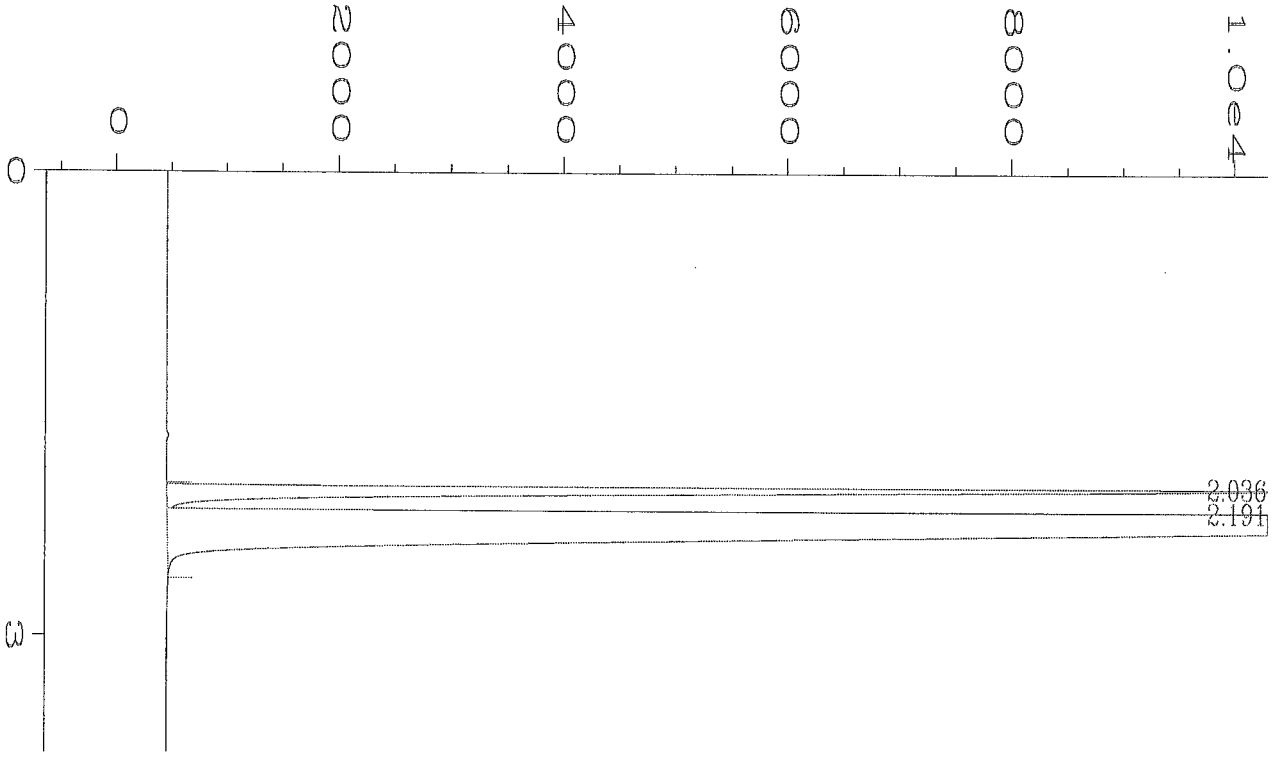
Laboratory Number: 63

File Name:	2614463A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.33				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.33		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.507	0.543	0.507	0.542	5,072	5,428	U
Oxygen	32.00	17.30	17.30	17.30	173,000	17.30	17.30	500	0.067	0.071	0.067	0.072	667	714	
Nitrogen	28.01	82.61	82.61	82.61	826,105	82.61	82.61	1000	0.133	0.143	0.133	0.142	1,335	1,428	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	133	143	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	133	143	U
Carbon Dioxide	44.01	0.09	0.09	0.09	895	0.09	0.09	100	0.013	0.014	0.013	0.014	133	143	
Sum - N2		17.39	100.00												
Sum		100.0													
Total Nitrogen		91.07													

82261886

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614463MA.D
Operator : SW
Instrument : GCL
Sample Name : T-507
Run Time Bar Code:
Acquired on : 01 Sep 26 09:15 PM
Report Created on: 03 Sep 26 01:45 PM

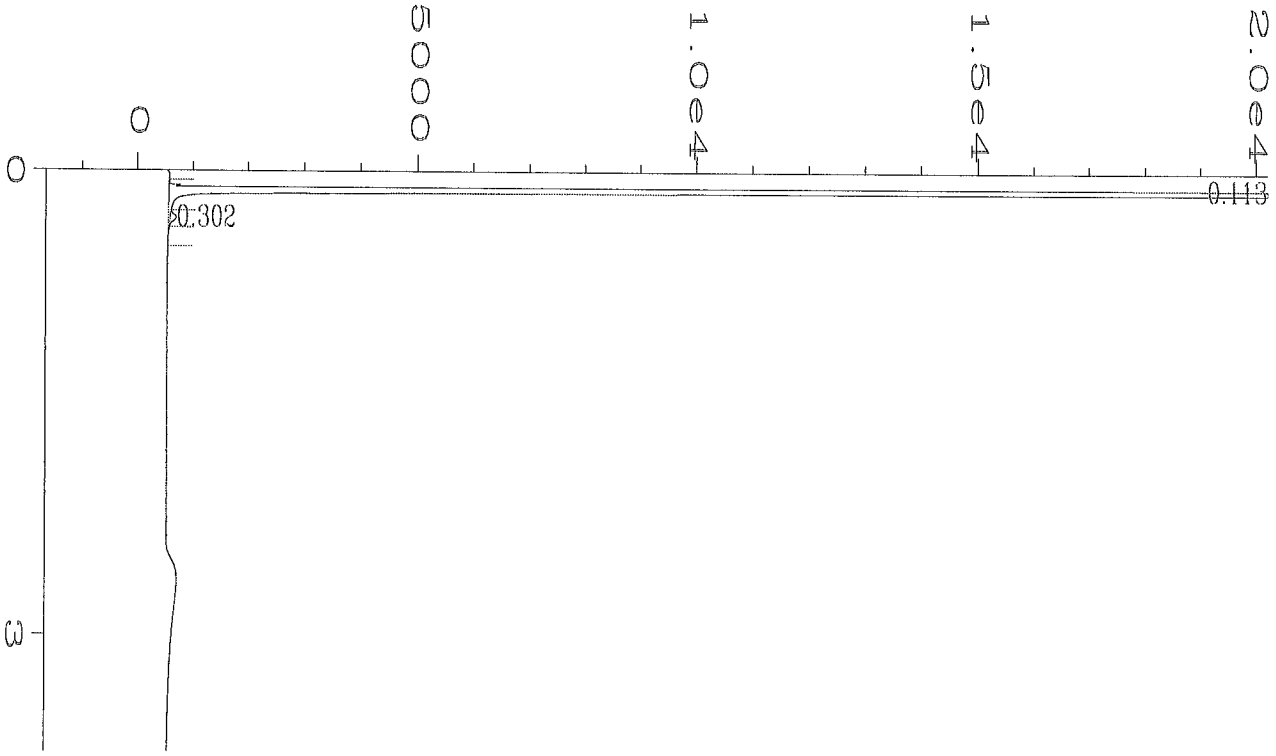
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614463MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.036	29187	10630	BV	0.046	14.9136
2	2.191	166522	22565	VB	0.099	85.0864

Total area = 195709

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614463PA.D
Operator : SW
Instrument : GCL
Sample Name : T-507
Run Time Bar Code:
Acquired on : 01 Sep 26 09:15 PM
Report Created on: 03 Sep 26 01:45 PM

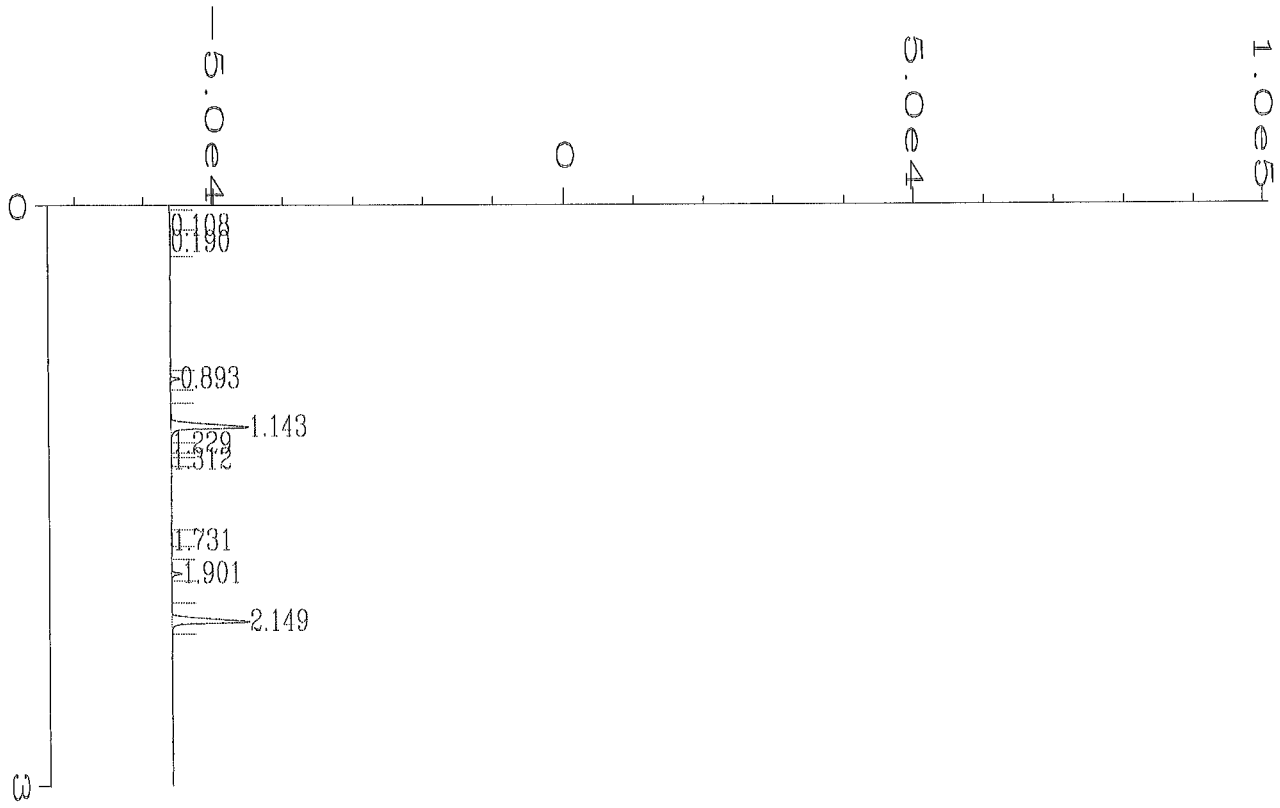
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614463PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.113	247793	233002	BB S	0.037	99.8687
2	0.302	326	113	BV T	0.044	0.1313

Total area = 248119

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614463A.D
Operator : SW
Instrument : GCL
Sample Name : T-507
Run Time Bar Code:
Acquired on : 08 Sep 26 07:07 PM
Report Created on: 09 Aug 26 01:05 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614463A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.108	416	93	BV	0.071	1.0296
2	0.190	611	128	VB	0.069	1.5096
3	0.893	1317	1432	VV	0.022	3.2552
4	1.143	18625	11216	PV	0.026	46.0521
5	1.229	183	132	VV	0.023	0.4514
6	1.312	96	106	VB	0.017	0.2374
7	1.731	339	154	BV	0.032	0.8394
8	1.901	1455	1466	PV	0.015	3.5985
9	2.149	17402	11216	BV	0.025	43.0268

Total area = 40444

Sample Data Packages

SDG Number 226144

Lab Id Number 64

Client ID T-508

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 64

File Name: 2614464A
Description: T-508
Can/Tube#: 768
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 10:33
Date Analyzed: 09/01/26 **Time:** 21:21
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.524	0.561	ND	5,236	5,602	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.31	689	737	173,096	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	0.14	138	147	1,383	

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614464A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	64		SF:	2	
Description:	T-508		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 10:33	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:21	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	768				
Can Factor	1.38				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**28292**
7727-37-9	Nitrogen	03	2.05	2.02	**167481**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**488**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

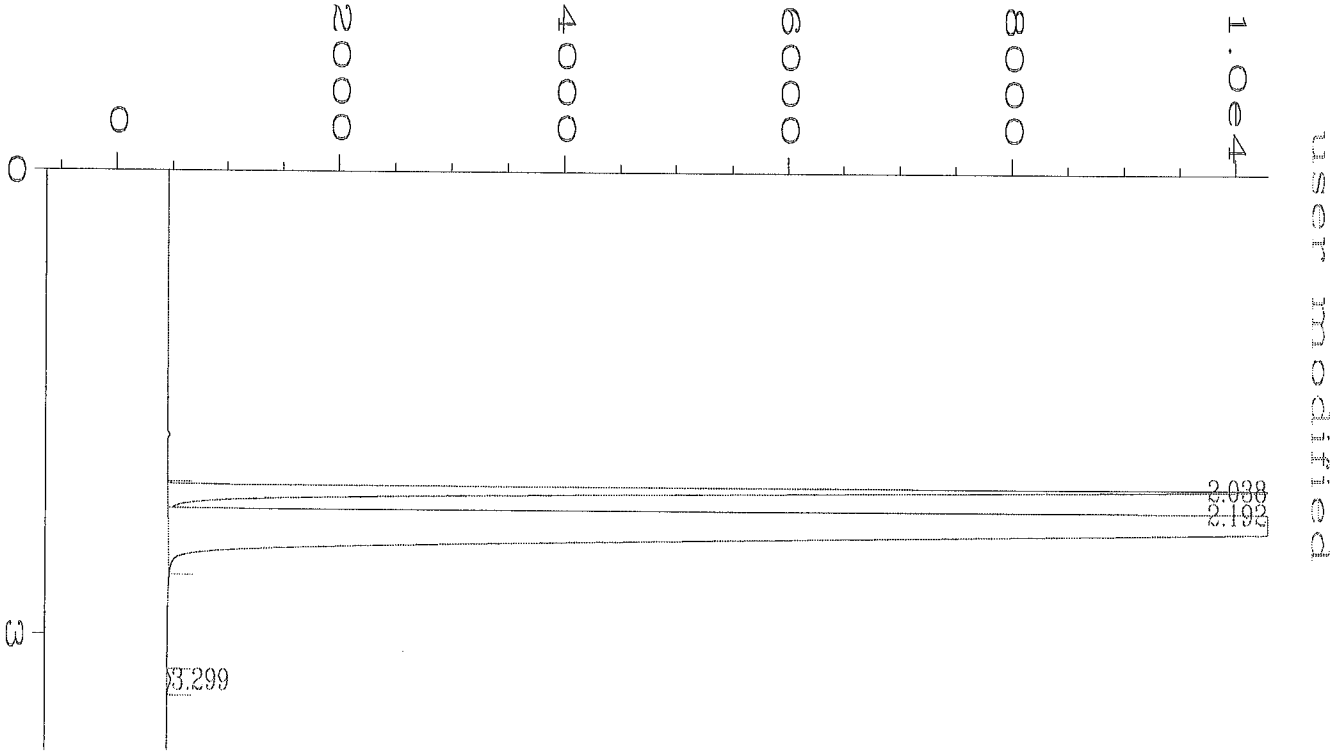
SDG: 226144
Laboratory Number: 64

File Name:	2614464A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.38				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.38		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.524	0.560	0.524	0.561	5,236	5,602	U
Oxygen	32.00	17.31	17.31	17.31	173,096	17.31	17.31	500	0.069	0.074	0.069	0.074	689	737	
Nitrogen	28.01	82.55	82.55	82.55	825,521	82.55	82.55	1000	0.138	0.147	0.138	0.148	1,378	1,474	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	147	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	147	U
Carbon Dioxide	44.01	0.14	0.14	0.14	1,383	0.14	0.14	100	0.014	0.015	0.014	0.015	138	147	
Sum - N2		17.45	100.00												
Sum		100.0													
Total Nitrogen		94.55													

8260B

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	=	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614464MA.D
Operator : SW
Instrument : GCL
Sample Name : T-508
Run Time Bar Code:
Acquired on : 01 Sep 26 09:21 PM
Report Created on: 03 Sep 26 01:46 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

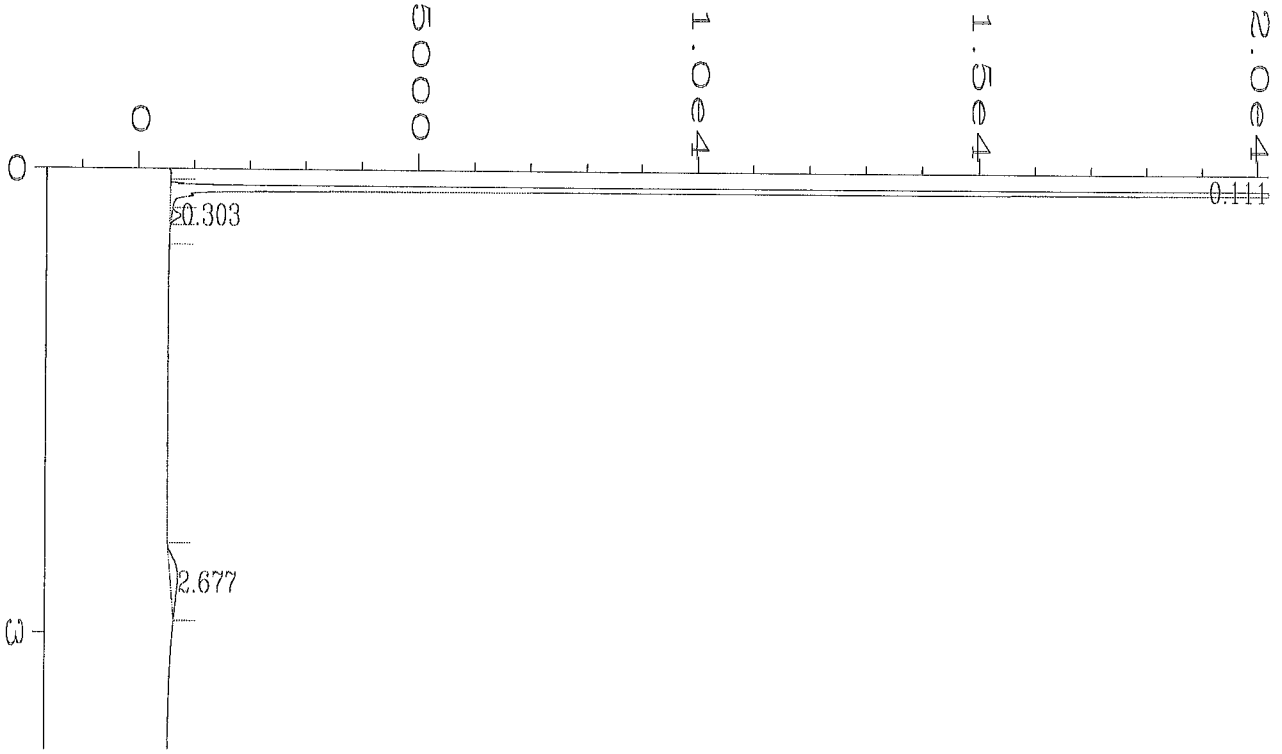
Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614464MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.038	28292	10654	BV	0.036	14.4401
2	2.192	167481	22723	VB	0.098	85.4798
3	3.299	157	35	MM	0.075	0.0801

Total area = 195931

User Modified

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614464PA.D
Operator : SW
Instrument : GCL
Sample Name : T-508
Run Time Bar Code:
Acquired on : 01 Sep 26 09:21 PM
Report Created on: 03 Sep 26 01:46 PM

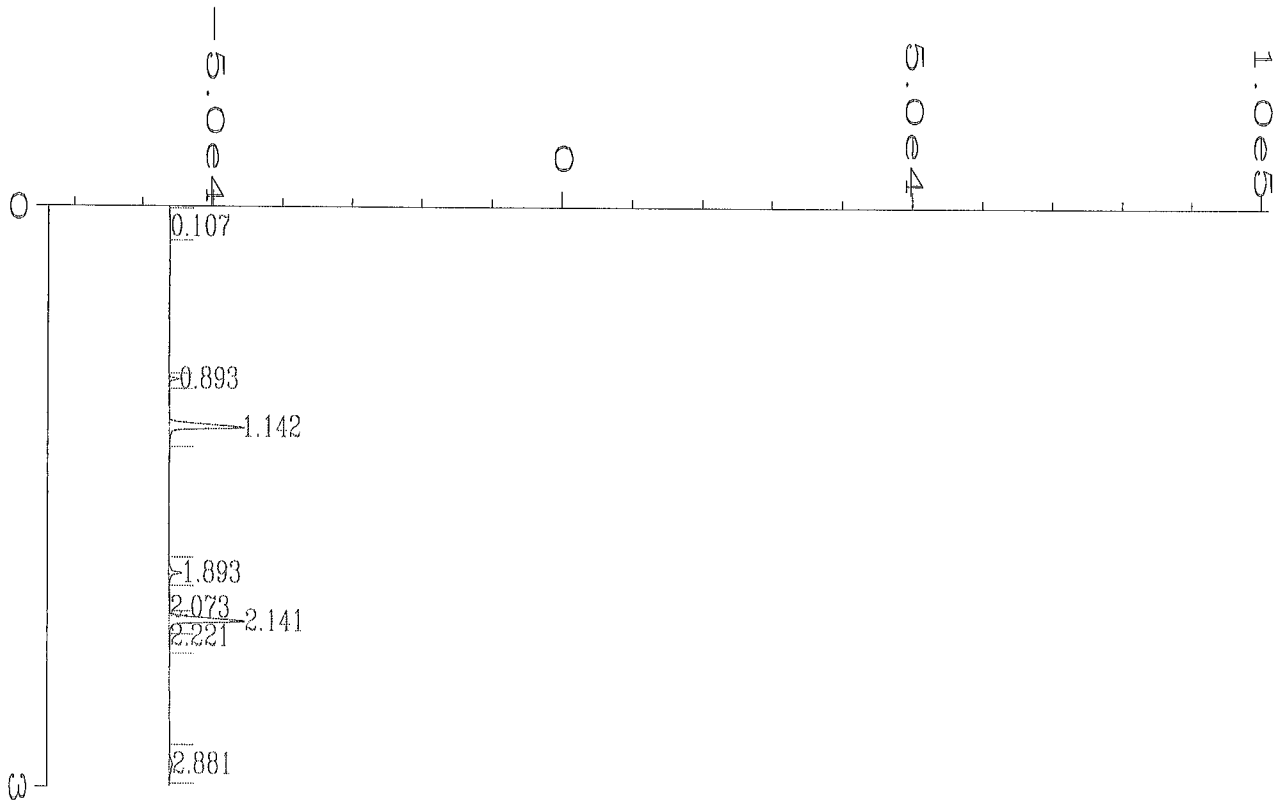
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614464PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	255441	255972	BB S	0.016	98.9084
2	0.303	488	170	BV T	0.044	0.1891
3	2.677	2331	129	BB	0.269	0.9025

Total area = 258260

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614464A.D
Operator : SW
Instrument : GCL
Sample Name : T-508
Run Time Bar Code:
Acquired on : 08 Sep 26 07:10 PM
Report Created on: 09 Aug 26 01:05 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614464A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.107	509	95	BV	0.071	1.2199
2	0.893	1213	1439	BV	0.019	2.9088
3	1.142	17336	11087	PV	0.034	41.5694
4	1.893	2667	1819	PV	0.028	6.3949
5	2.073	699	108	VV	0.099	1.6755
6	2.141	17377	10736	VV	0.025	41.6661
7	2.221	330	108	VV	0.051	0.7924
8	2.881	1573	369	BBA	0.058	3.7728

Total area = 41704

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Sample Data Packages

SDG Number **226144**

Lab Id Number **65**

Client ID T-509

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 65

File Name: 2614465A
Description: T-509
Can/Tube#: 837
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:47
Date Analyzed: 09/01/26 **Time:** 21:26
Can Dilution Factor: 1.38

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.524	0.561	ND	5,235	5,602	ND	ND
7782-44-7	Oxygen	0.069	0.074	17.55	689	737	175,544	
630-08-0	Carbon Monoxide	0.014	0.015	ND	138	147	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	138	147	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614465A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	65		SF:	2	
Description:	T-509		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 11:47	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:26	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	837				
Can Factor	1.38				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	28695
7727-37-9	Nitrogen	03	2.05	2.02	169061
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144

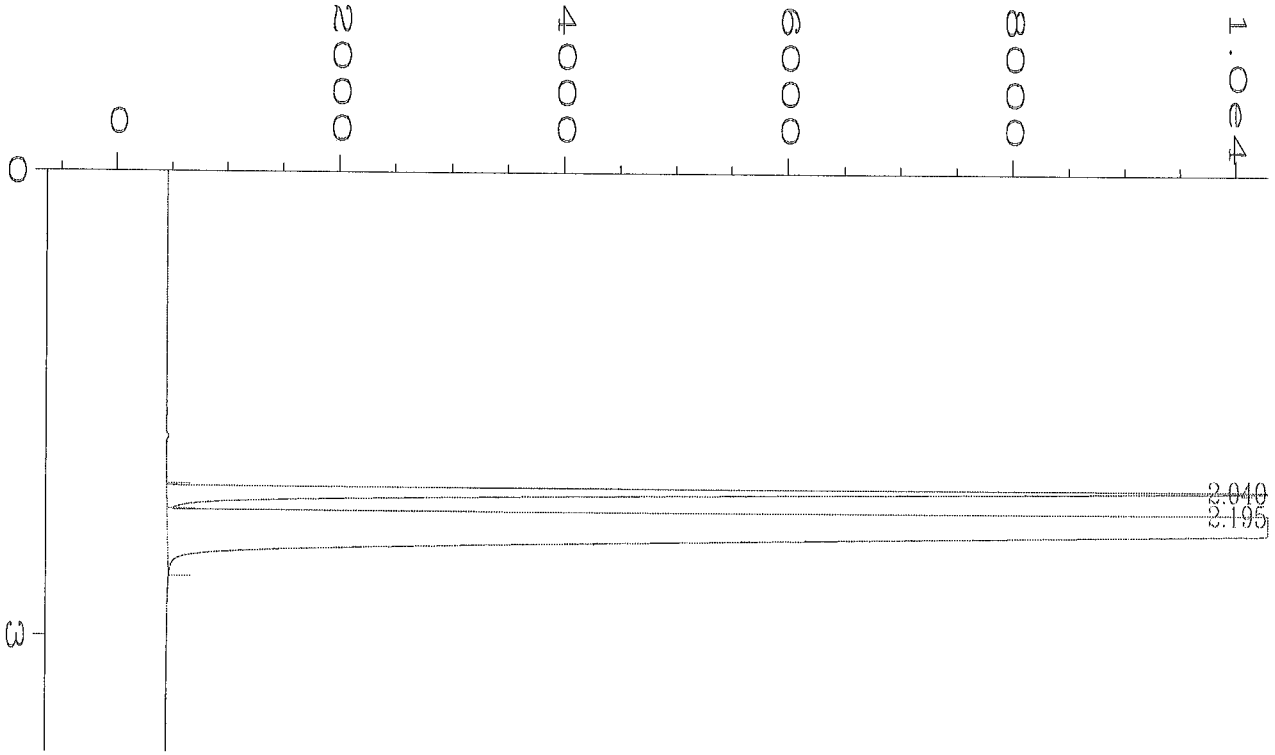
Laboratory Number: 65

File Name:	2614465A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.38				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.38		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.524	0.560	0.524	0.561	5,235	5,602	U
Oxygen	32.00	17.55	17.55	17.55	175,544	17.55	17.55	500	0.069	0.074	0.069	0.074	689	737	
Nitrogen	28.01	82.45	82.45	82.45	824,456	82.45	82.45	1000	0.138	0.147	0.138	0.148	1,378	1,474	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	147	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	147	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	138	147	U
Sum - N2		17.55	100.00												
Sum		100.0													
Total Nitrogen		95.43													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614465MA.D
Operator : SW
Instrument : GCL
Sample Name : T-509
Run Time Bar Code:
Acquired on : 01 Sep 26 09:26 PM
Report Created on: 03 Sep 26 01:46 PM

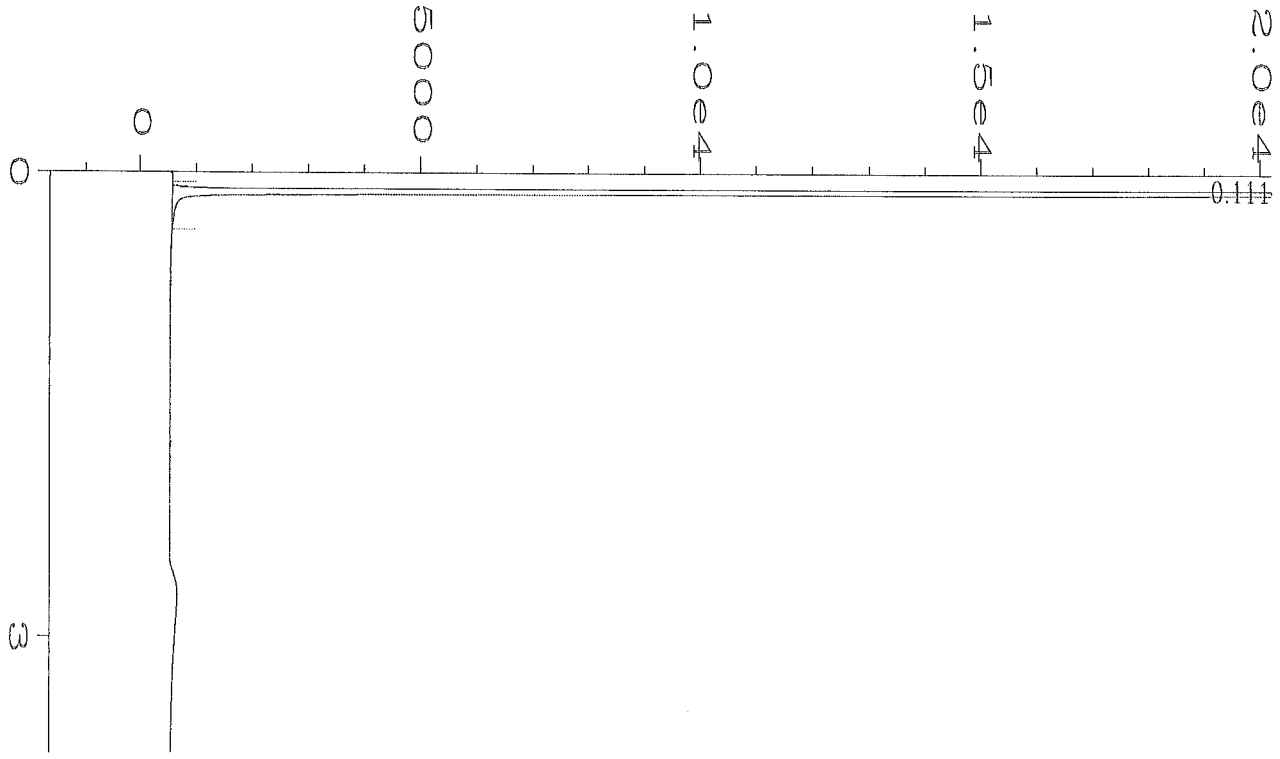
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614465MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.040	28695	10551	BV	0.037	14.5101
2	2.195	169061	22712	VB	0.099	85.4899

Total area = 197755

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Area Percent Report

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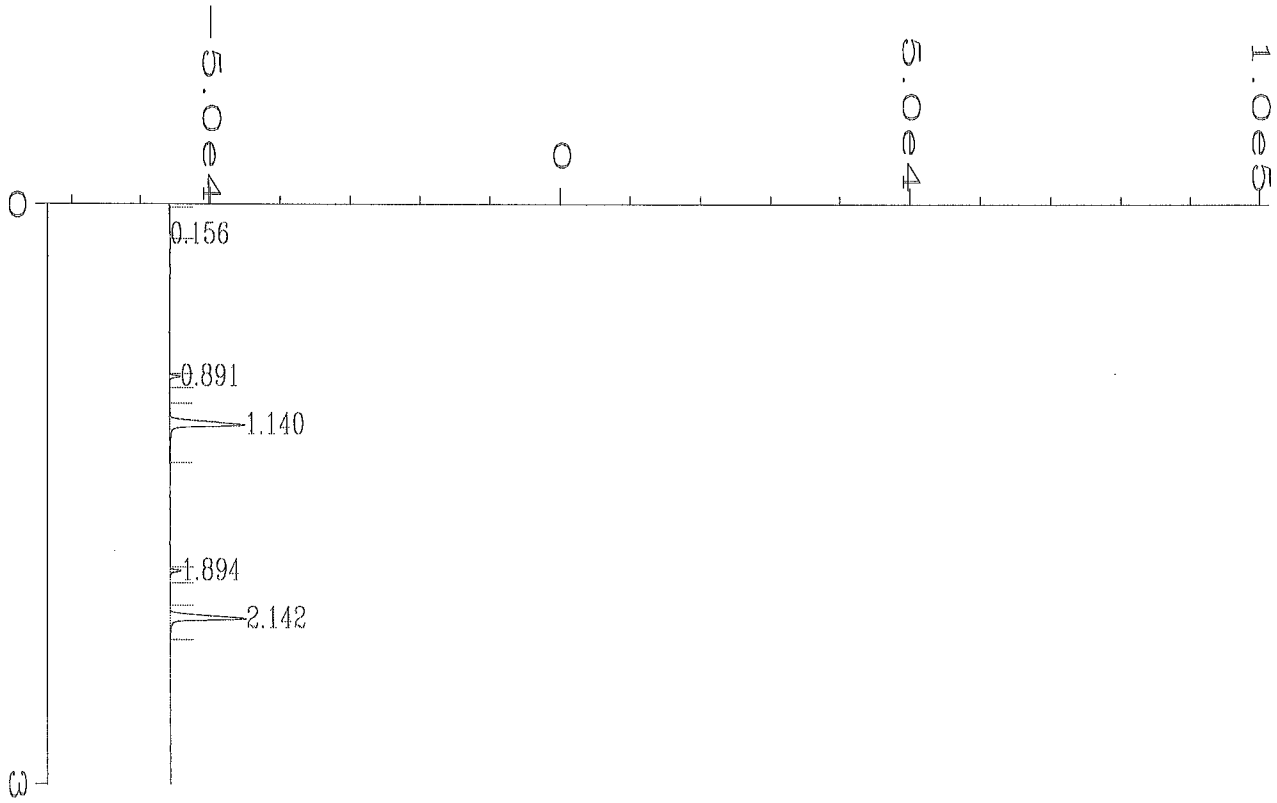
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614465PA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-509
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:26 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:47 PM
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614465PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	258253	254580	BB S	0.016	100.0000

Total area = 258253

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614465A.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-509
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 07:14 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 01:05 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614465A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.156	482	57	BV	0.121	1.2188
2	0.891	1384	1616	VV	0.014	3.4980
3	1.140	18915	10968	PV	0.026	47.8195
4	1.894	1409	1627	VV	0.021	3.5613
5	2.142	17365	11254	BV	0.038	43.9024

Total area = 39554

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Sample Data Packages

SDG Number **226144**

Lab Id Number **66**

Client ID T-510

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 66

File Name: 2614466A
Description: T-510
Can/Tube#: 647
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:32
Can Dilution Factor: 1.25

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.476	0.509	ND	4,761	5,094	ND	ND
7782-44-7	Oxygen	0.063	0.067	18.08	626	670	180,753	
630-08-0	Carbon Monoxide	0.013	0.014	ND	125	134	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	125	134	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614466A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	66		SF:	2	
Description:	T-510		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 11:44	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:32	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	647				
Can Factor	1.25				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		**0**
7782-44-7	Oxygen	02	1.83	1.87	**32493**
7727-37-9	Nitrogen	03	2.05	2.02	**165062**
74-82-8	Methane	04	2.86		**0**
630-08-0	Carbon Monoxide	05	2.95	3.12	**0**
124-38-9	Carbon Dioxide	06	0.30		**0**

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

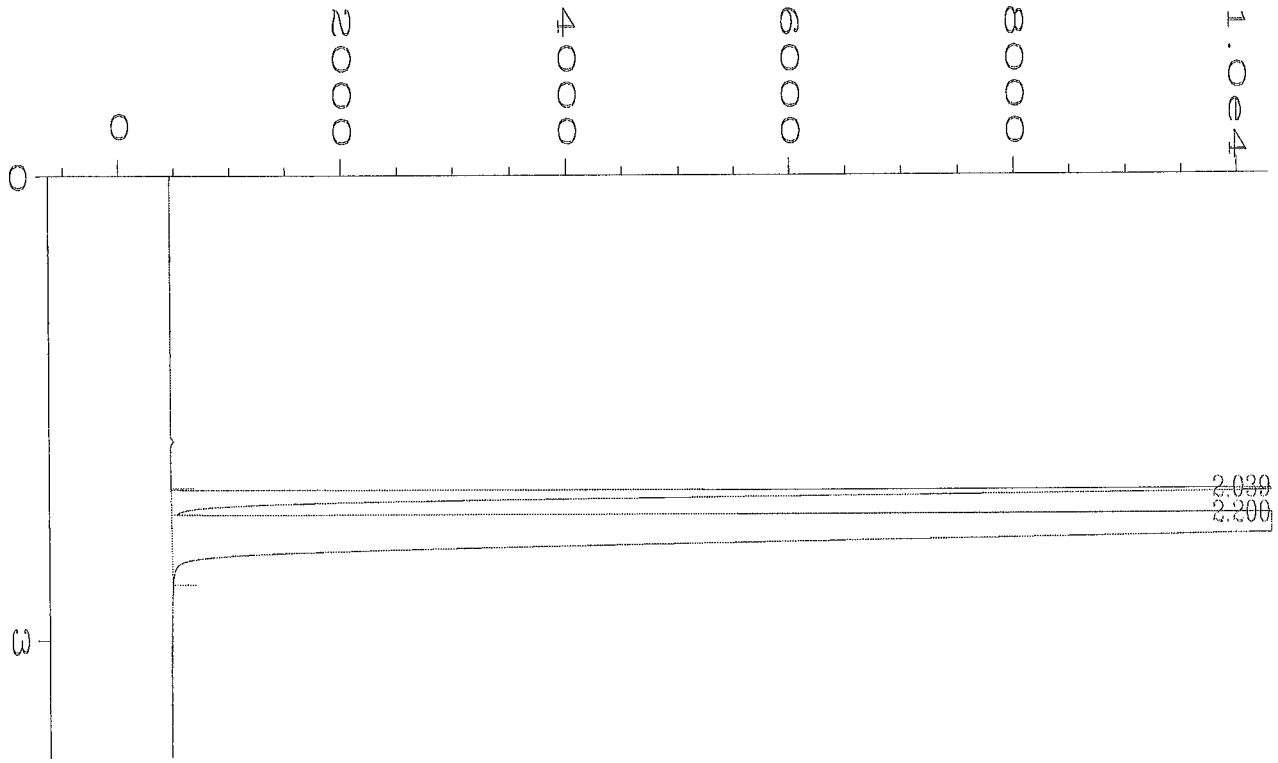
SDG: 226144
Laboratory Number: 66

File Name:	2614466A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.25				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.25		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.476	0.509	0.476	0.509	4,761	5,094	U
Oxygen	32.00	18.08	18.08	18.08	180,753	18.08	18.08	500	0.063	0.067	0.063	0.067	626	670	
Nitrogen	28.01	81.92	81.92	81.92	819,247	81.92	81.92	1000	0.125	0.134	0.125	0.134	1,253	1,340	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	125	134	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	125	134	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.013	0.013	0.014	125	134	U
Sum - N2		18.08	100.00												
Sum		100.0													
Total Nitrogen		84.72													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614466MA.D
Operator : SW
Instrument : GCL
Sample Name : T-510
Run Time Bar Code:
Acquired on : 01 Sep 26 09:32 PM
Report Created on: 03 Sep 26 01:47 PM

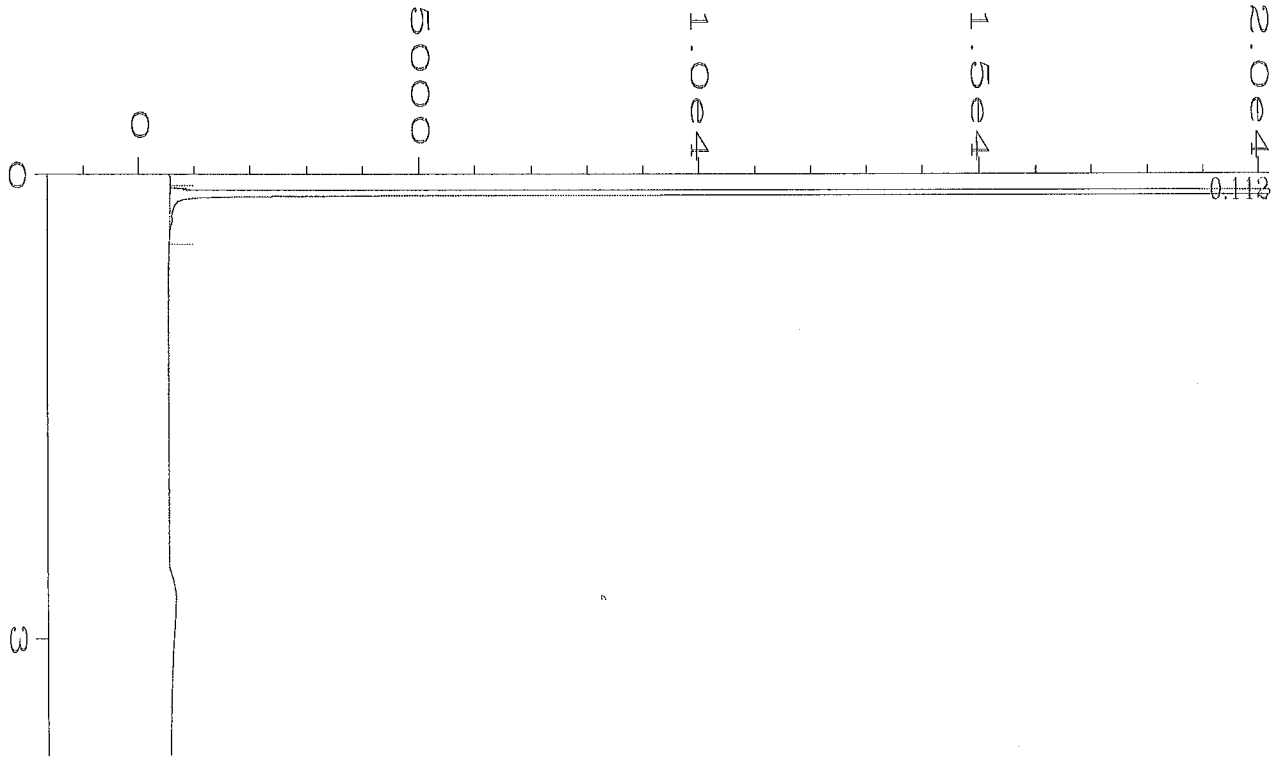
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614466MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.039	32493	11371	BV	0.048	16.4477
2	2.200	165062	22205	VB	0.094	83.5523

Total area = 197555

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614466PA.D
Operator : SW
Instrument : GCL
Sample Name : T-510
Run Time Bar Code:
Acquired on : 01 Sep 26 09:32 PM
Report Created on: 03 Sep 26 01:47 PM

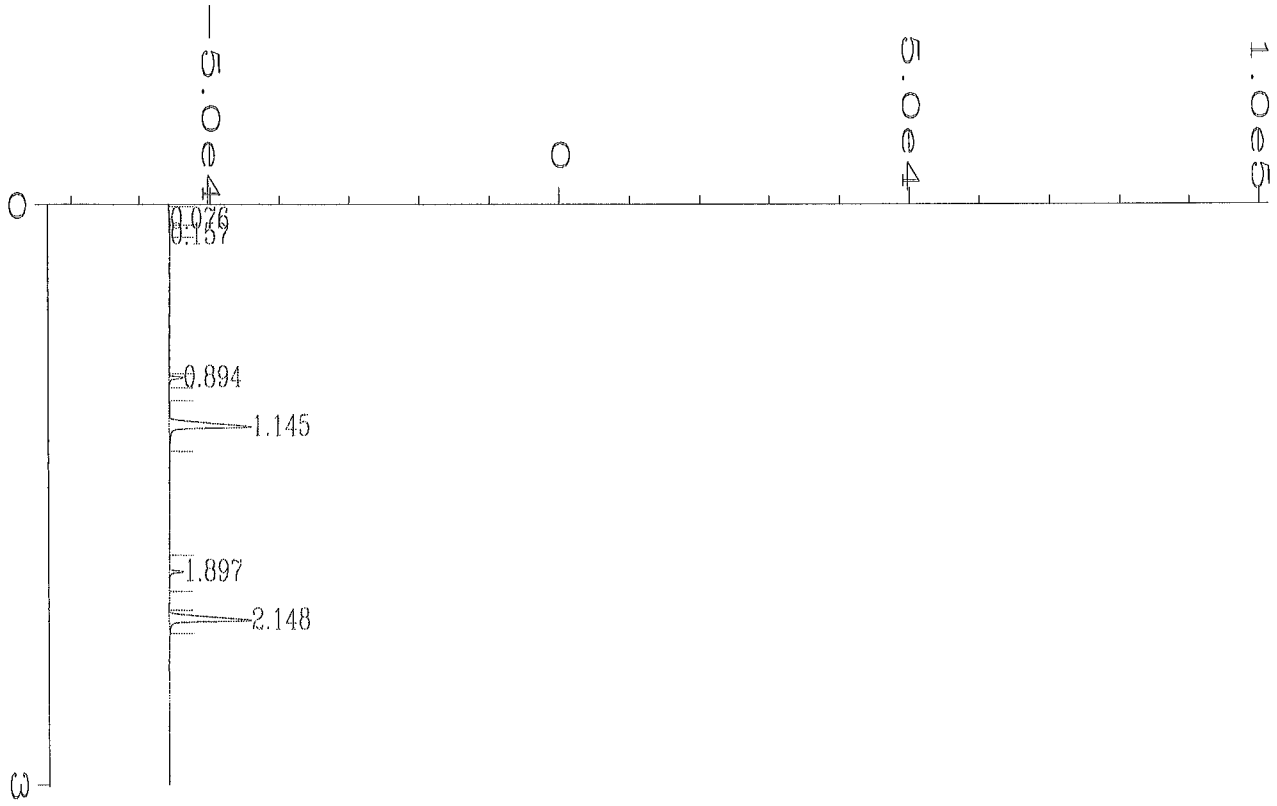
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614466PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.112	251636	232794	BB S	0.035	100.0000

Total area = 251636

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614466B.D
Operator : SW
Instrument : GCL
Sample Name : T-510
Run Time Bar Code:
Acquired on : 08 Sep 26 07:21 PM
Report Created on: 09 Aug 26 01:06 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614466B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.076	420	106	BV	0.055	0.9841
2	0.157	120	39	VV	0.052	0.2805
3	0.894	1654	1984	VV	0.020	3.8745
4	1.145	19887	11933	PV	0.039	46.5749
5	1.897	1825	1970	BB	0.024	4.2731
6	2.148	18793	11660	BV	0.026	44.0130

Total area = 42698

==========

Sample Data Packages

SDG Number 226144

Lab Id Number 67

Client ID T-511

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 67

File Name: 2614467A
Description: T-511
Can/Tube#: 786
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:40
Date Analyzed: 09/01/26 **Time:** 21:38
Can Dilution Factor: 1.31

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.500	0.535	ND	4,997	5,347	ND	ND
7782-44-7	Oxygen	0.066	0.071	17.62	657	704	176,246	
630-08-0	Carbon Monoxide	0.013	0.014	ND	131	141	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	131	141	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614467A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	67		SF:	2	
Description:	T-511		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 11:40	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:38	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	786				
Can Factor	1.31				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	30184
7727-37-9	Nitrogen	03	2.05	2.02	167272
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

SDG: 226144
Laboratory Number: 67

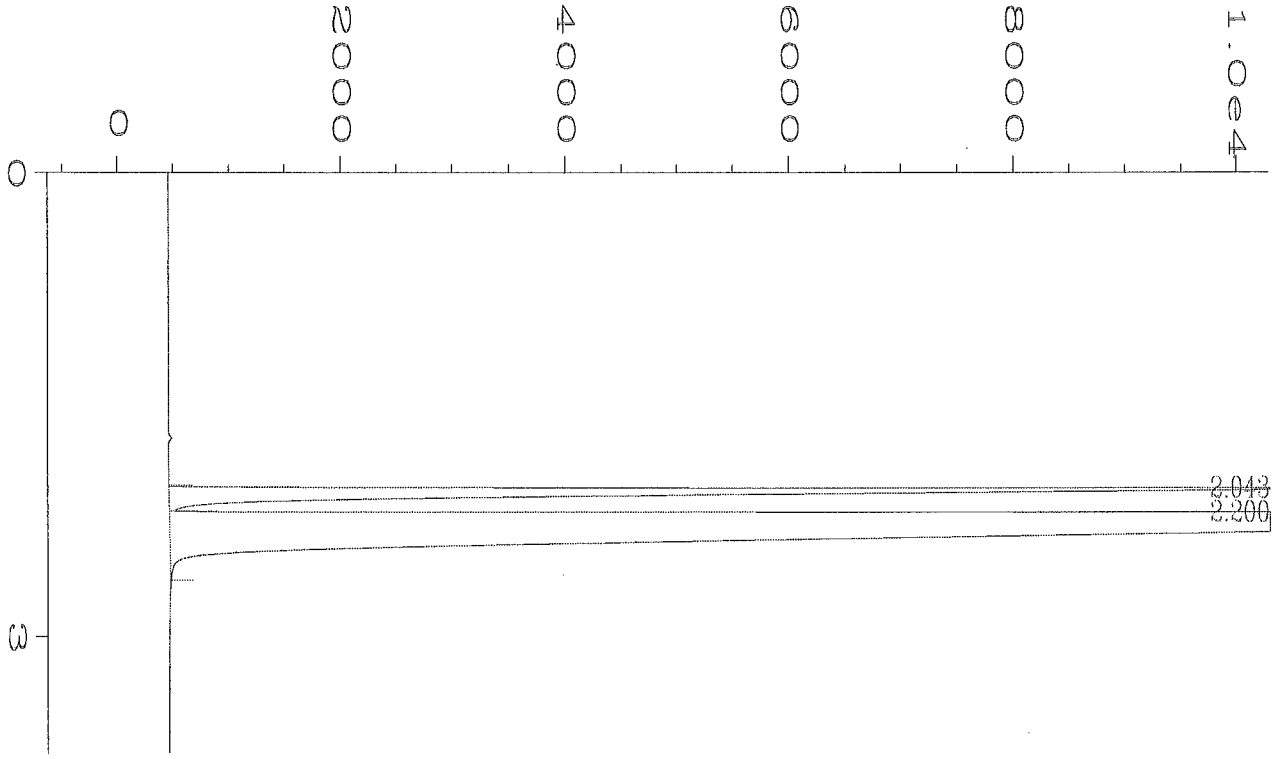
File Name:	2614467A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.31				
Air Volume:	0.50 ml		Temp	25	C
Base Volume	0.50 ml		Atm P	760.0	torr
Dilution Factor	1.31		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.500	0.535	0.500	0.535	4,997	5,347	U
Oxygen	32.00	17.62	17.62	17.62	176,246	17.62	17.62	500	0.066	0.070	0.066	0.071	657	704	
Nitrogen	28.01	82.38	82.38	82.38	823,754	82.38	82.38	1000	0.131	0.141	0.131	0.140	1,315	1,407	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	141	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	141	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	131	141	U
Sum - N2		17.62	100.00												
Sum		100.0													
Total Nitrogen		90.12													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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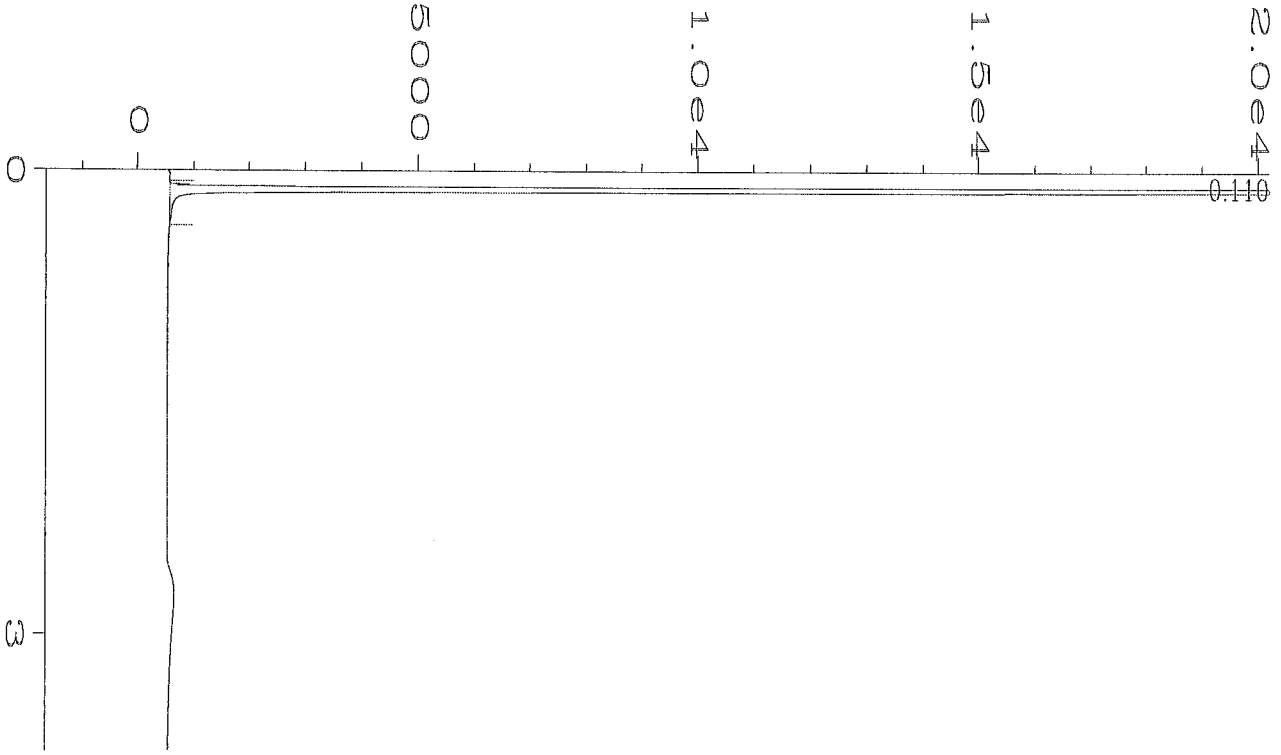
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614467MA.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-511
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 09:38 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:47 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614467MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.043	30184	10836	BV	0.037	15.2864
2	2.200	167272	22448	VB	0.098	84.7136

Total area = 197456

==========



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614467PA.D
Operator : SW
Instrument : GCL
Sample Name : T-511
Run Time Bar Code:
Acquired on : 01 Sep 26 09:38 PM
Report Created on: 03 Sep 26 01:47 PM

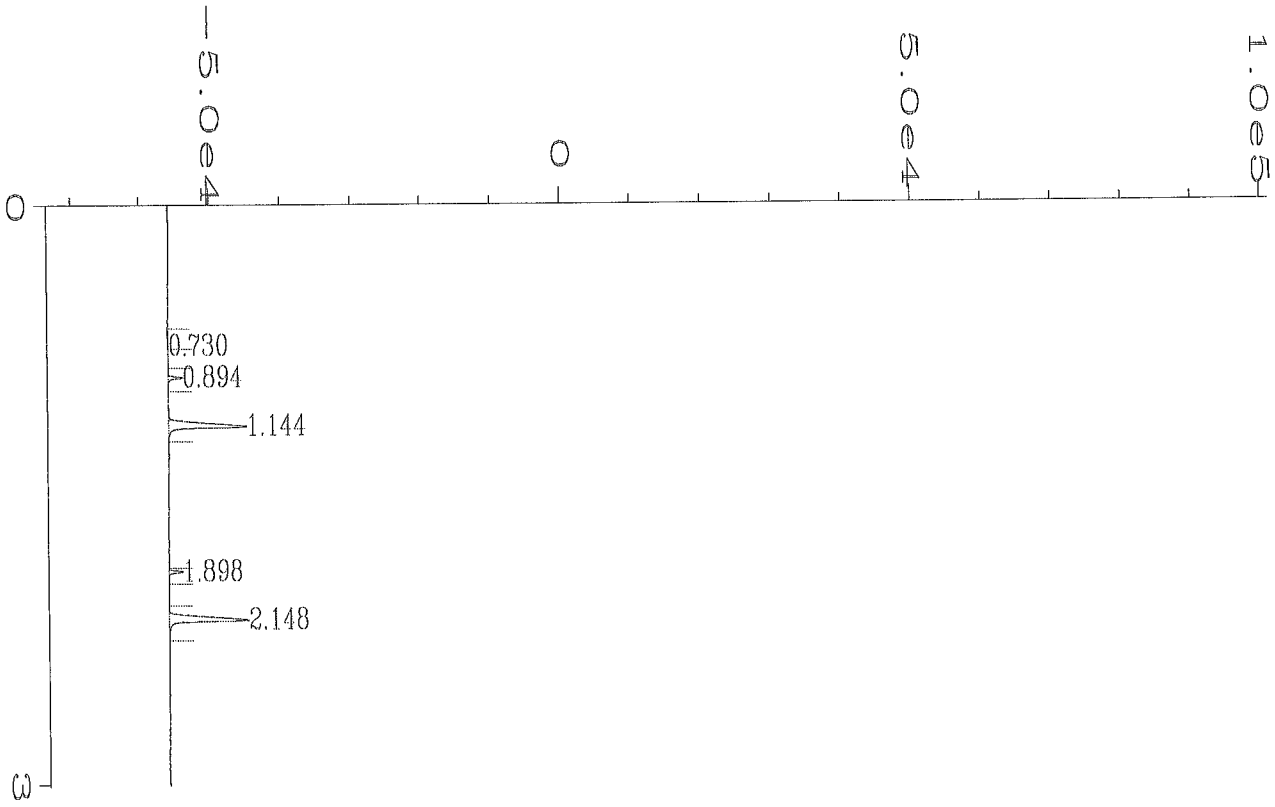
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614467PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.110	255248	247291	BB S	0.016	100.0000

Total area = 255248

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614467A.D
Operator : SW
Instrument : GCL
Sample Name : T-511
Run Time Bar Code:
Acquired on : 08 Sep 26 07:25 PM
Report Created on: 09 Aug 26 01:06 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614467A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.730	488	118	PV	0.062	1.1783
2	0.894	1979	2143	VV	0.023	4.7763
3	1.144	18578	11262	VV	0.026	44.8428
4	1.898	1821	2104	BV	0.020	4.3962
5	2.148	18562	11363	PV	0.025	44.8063

Total area = 41428

Sample Data Packages

SDG Number 226144

Lab Id Number 68

Client ID T-512

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 68

File Name: 2614468A
Description: T-512
Can/Tube#: 877
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:44
Date Analyzed: 09/01/26 **Time:** 21:43
Can Dilution Factor: 1.44

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.549	0.587	ND	5,490	5,875	ND	ND
7782-44-7	Oxygen	0.072	0.077	18.70	722	773	187,031	
630-08-0	Carbon Monoxide	0.014	0.015	ND	144	155	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	144	155	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614468A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	68		SF:	2	
Description:	T-512		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 11:44	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:43	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	877				
Can Factor	1.44				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29153
7727-37-9	Nitrogen	03	2.05	2.02	168983
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

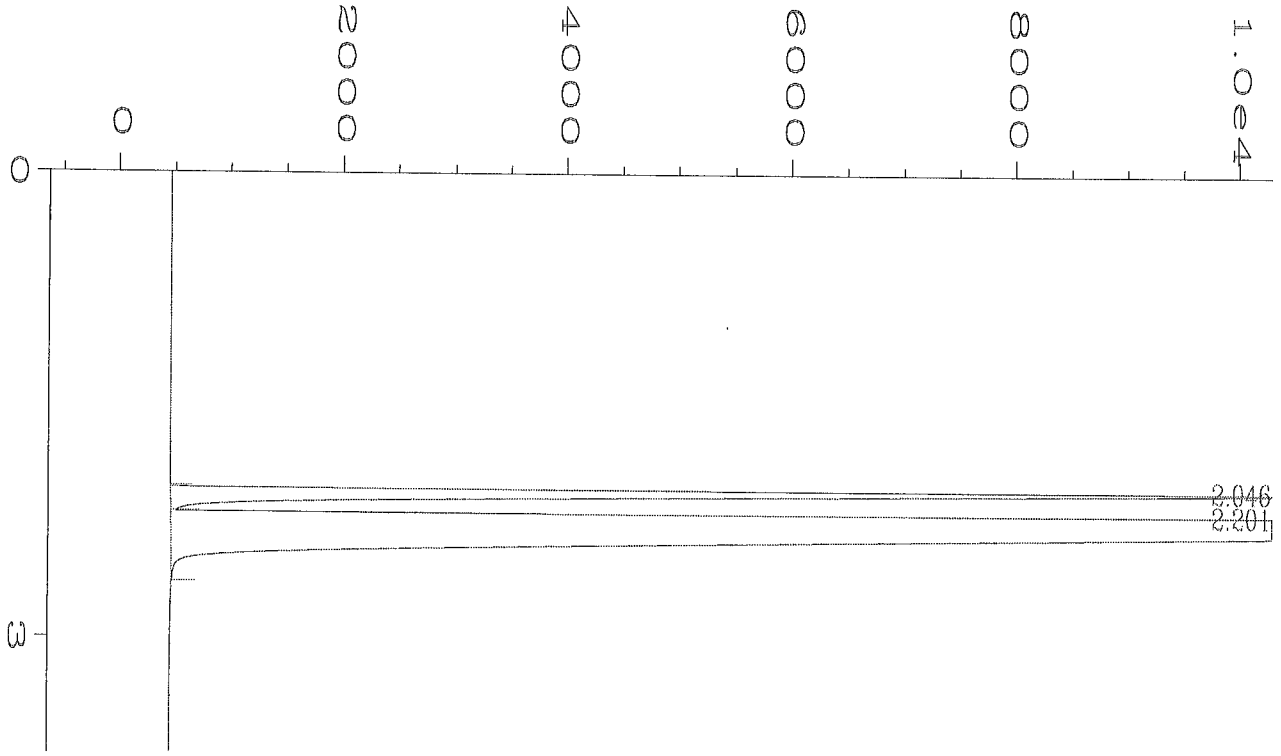
SDG: 226144
Laboratory Number: 68

File Name:	2614468A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.44				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.44		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.549	0.587	0.549	0.587	5,490	5,875	U
Oxygen	32.00	18.70	18.70	18.70	187,031	18.70	18.70	500	0.072	0.077	0.072	0.077	722	773	
Nitrogen	28.01	81.30	81.30	81.30	812,969	81.30	81.30	1000	0.144	0.155	0.144	0.154	1,445	1,546	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	144	155	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	144	155	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	144	155	U
Sum - N2		18.70	100.00												
Sum		100.0													
Total Nitrogen		100.03													

1/30/2026

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614468MA.D
Operator : SW
Instrument : GCL
Sample Name : T-512
Run Time Bar Code:
Acquired on : 01 Sep 26 09:43 PM
Report Created on: 03 Sep 26 01:48 PM

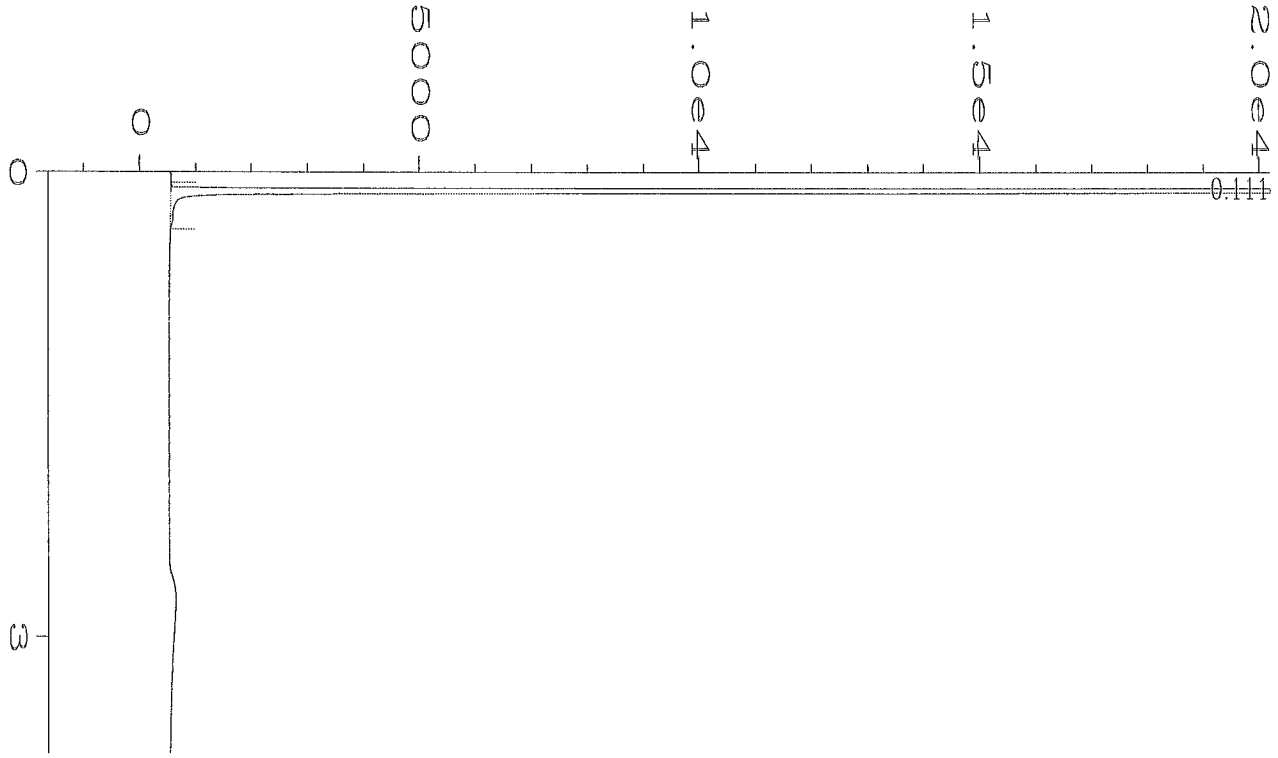
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614468MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.046	29153	10571	BV	0.046	14.7134
2	2.201	168983	22604	VB	0.103	85.2866

Total area = 198136

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Area Percent Report

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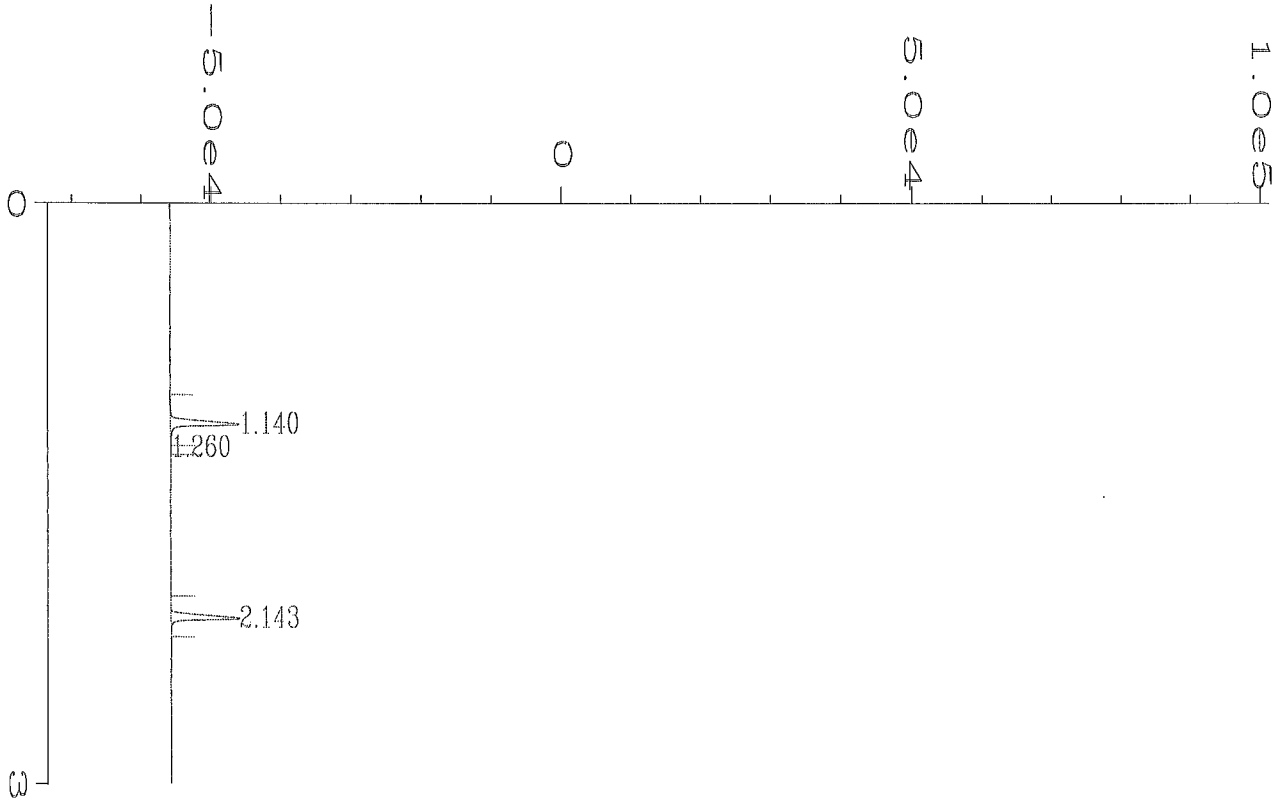
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614468PA.D
Operator : SW Page Number : 1
Instrument : GCL Vial Number :
Sample Name : T-512 Injection Number :
Run Time Bar Code: Sequence Line :
Acquired on : 01 Sep 26 09:43 PM Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:48 PM Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614468PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.111	257897	254301	BB S	0.016	100.0000

Total area = 257897

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614468B.D
Operator : SW
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : T-512
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 08 Sep 26 07:39 PM
Instrument Method: AST1946H.MTH
Report Created on: 09 Aug 26 01:06 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614468B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.140	17033	10021	BV	0.026	51.6918
2	1.260	109	65	VB	0.028	0.3315
3	2.143	15809	9981	PV	0.025	47.9768

Total area = 32950

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **69**

Client ID T-513

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 69

File Name: 2614469A
Description: T-513
Can/Tube#: 892
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 11:48
Date Analyzed: 09/01/26 **Time:** 21:43
Can Dilution Factor: 1.32

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.503	0.538	ND	5,032	5,384	ND	ND
7782-44-7	Oxygen	0.066	0.071	18.49	662	708	184,943	
630-08-0	Carbon Monoxide	0.013	0.014	ND	132	142	ND	ND
124-38-9	Carbon Dioxide	0.013	0.014	ND	132	142	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614469A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	69		SF:	2	
Description:	T-513		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 11:48	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:43	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	892				
Can Factor	1.32				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	31452
7727-37-9	Nitrogen	03	2.05	2.02	166494
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

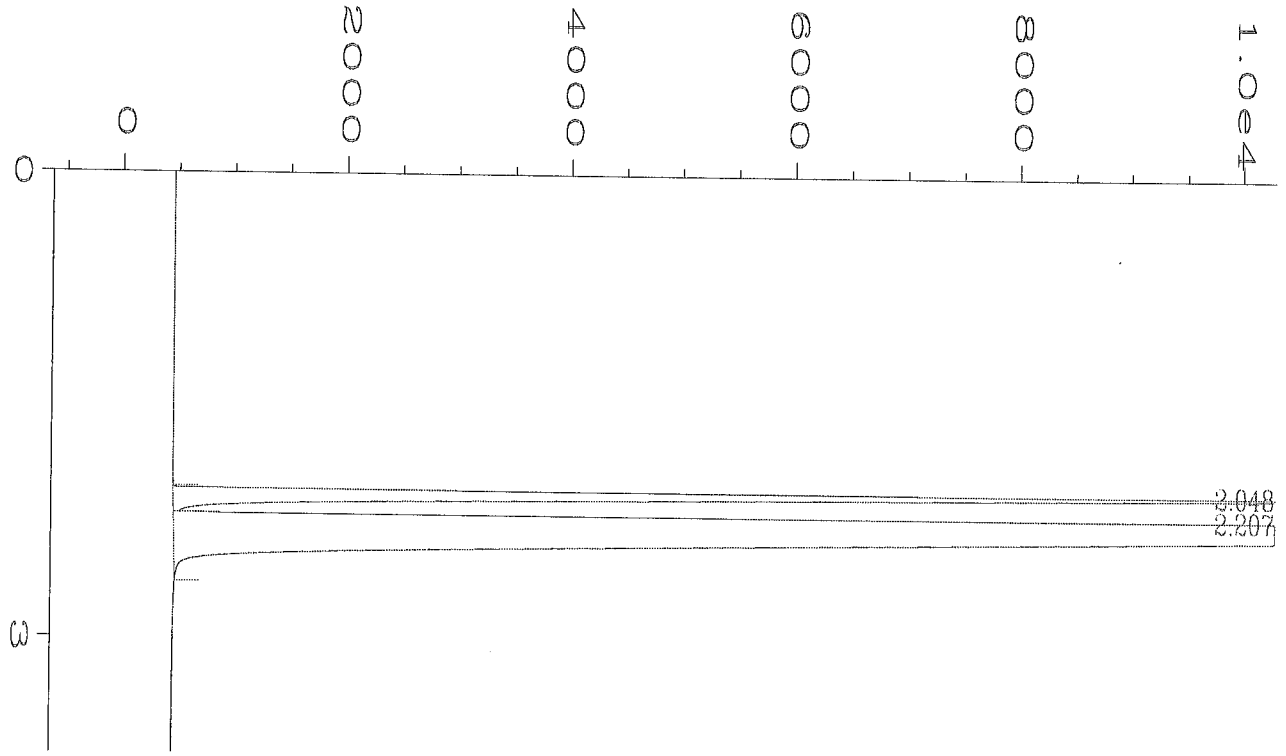
SDG: 226144
Laboratory Number: 69

File Name:	2614469A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	**No**	
Can Factor	1.32				
Air Volume:	0.50	ml	Temp	**25**	C
Base Volume	0.50	ml	Atm P	**760.0**	torr
Dilution Factor	1.32		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	**1.07**	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.503	0.538	0.503	0.538	5,032	5,384	U
Oxygen	32.00	18.49	18.49	18.49	184,943	18.49	18.49	500	0.066	0.071	0.066	0.071	662	708	
Nitrogen	28.01	81.51	81.51	81.51	815,057	81.51	81.51	1000	0.132	0.142	0.132	0.141	1,324	1,417	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	142	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	142	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.013	0.014	0.013	0.014	132	142	U
Sum - N2		18.49	100.00												
Sum		100.0													
Total Nitrogen		90.33													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614469MA.D
Operator : SW
Instrument : GCL
Sample Name : T-513
Run Time Bar Code:
Acquired on : 01 Sep 26 09:48 PM
Report Created on: 03 Sep 26 01:49 PM

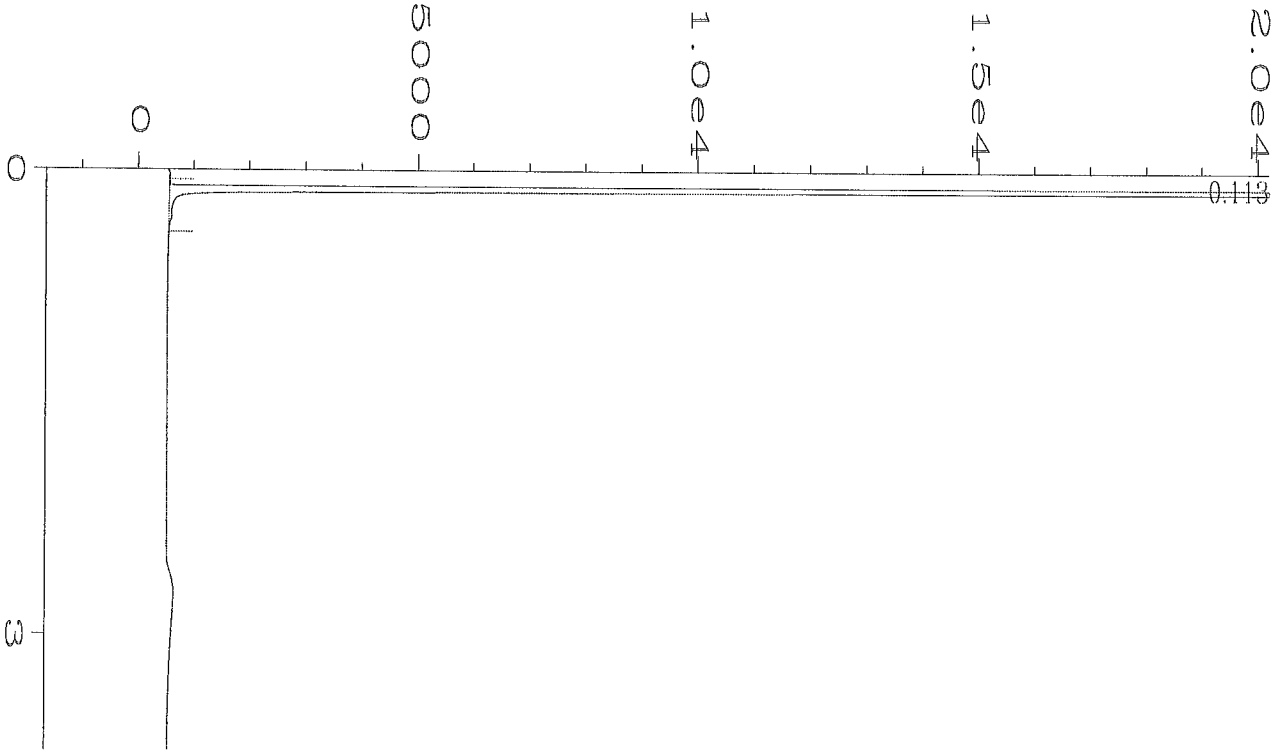
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614469MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.048	31452	11308	BV	0.038	15.8891
2	2.207	166494	22359	VB	0.098	84.1109

Total area = 197946

==========



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614469PA.D
Operator : SW
Instrument : GCL
Sample Name : T-513
Run Time Bar Code:
Acquired on : 01 Sep 26 09:48 PM
Report Created on: 03 Sep 26 01:49 PM

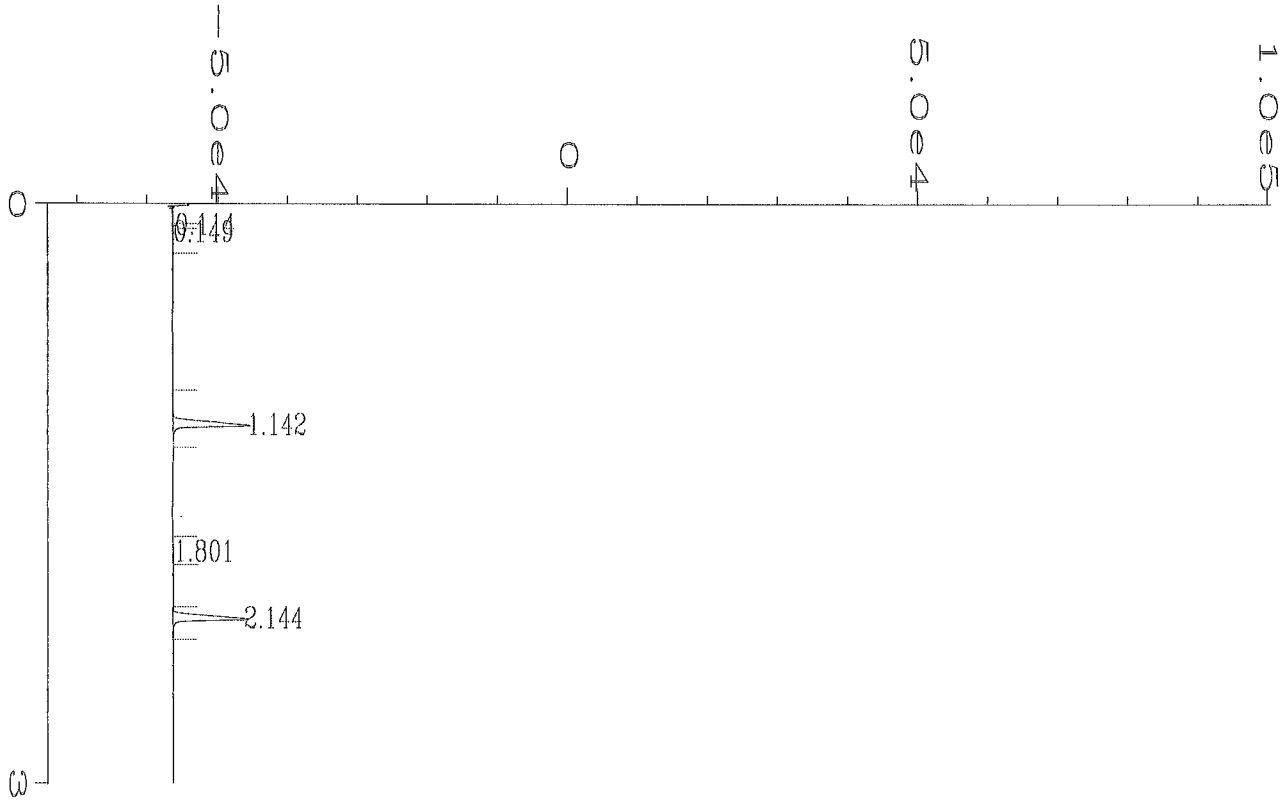
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614469PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.113	250908	236846	BB S	0.036	100.0000

Total area = 250908

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614469A.D
Operator : SW
Instrument : GCL
Sample Name : T-513
Run Time Bar Code:
Acquired on : 08 Sep 26 07:32 PM
Report Created on: 09 Aug 26 01:07 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614469A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.114	252	474	PV	0.011	0.6885
2	0.149	633	299	VB	0.050	1.7268
3	1.142	18039	11269	PV	0.035	49.1909
4	1.801	392	117	PV	0.068	1.0687
5	2.144	17355	10409	VV	0.026	47.3250

Total area = 36672

==========

Sample Data Packages

SDG Number **226144**

Lab Id Number **70**

Client ID T-514

Analytical Method ASTM D1945

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ANALYTICAL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD

Analytical Method: D1945

SDG: 226144
Laboratory Number: 70

File Name: 2614470A
Description: T-514
Can/Tube#: 775
QC_Batch: 090126-GCO

Date Sampled: 07/24/26 **Time:** 12:05
Date Analyzed: 09/01/26 **Time:** 21:54
Can Dilution Factor: 1.43

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.542	0.580	ND	5,420	5,799	ND	ND
7782-44-7	Oxygen	0.071	0.076	18.55	713	763	185,527	
630-08-0	Carbon Monoxide	0.014	0.015	ND	143	153	ND	ND
124-38-9	Carbon Dioxide	0.014	0.015	ND	143	153	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	2614470A		Method:	D1945	
SDG:	226144		Cal Update:	4/19/24	
Lab Id:	70		SF:	2	
Description:	T-514		Not Detected Flag:	ND	
Date Sampled:	07/24/26	Time: 12:05	Matrix	AA	
Date Received:	07/24/26	Time: 16:10	Type	TRG	
Date Analyzed:	09/01/26	Time: 21:54	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	775				
Can Factor	1.43				
Volume:	0.5				
Type	SA				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	1.83	1.87	29294
7727-37-9	Nitrogen	03	2.05	2.02	171192
74-82-8	Methane	04	2.86		0
630-08-0	Carbon Monoxide	05	2.95	3.12	0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

ASTM D1945 GC/TCD

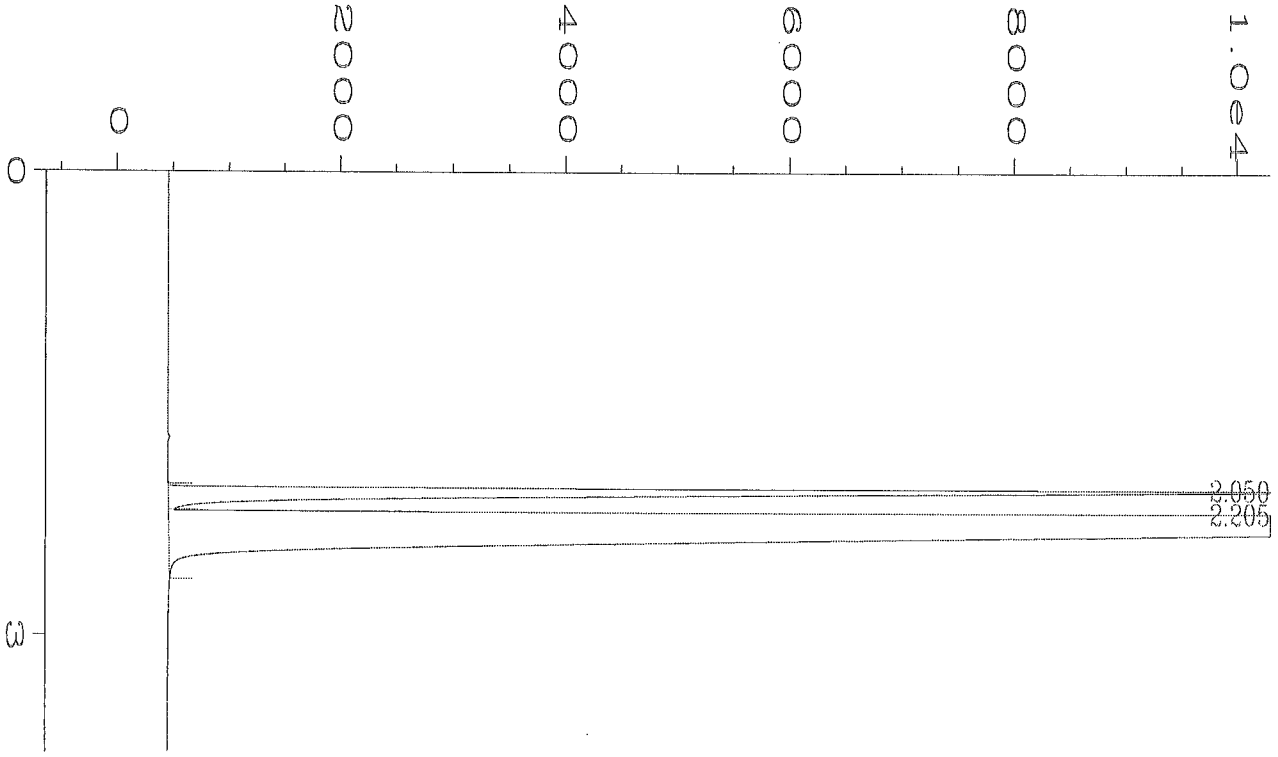
SDG: 226144
Laboratory Number: 70

File Name:	2614470A		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.43				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.43		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.542	0.580	0.542	0.580	5,420	5,799	U
Oxygen	32.00	18.55	18.55	18.55	185,527	18.55	18.55	500	0.071	0.076	0.071	0.076	713	763	
Nitrogen	28.01	81.45	81.45	81.45	814,473	81.45	81.45	1000	0.143	0.153	0.143	0.153	1,426	1,526	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	143	153	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	143	153	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.014	0.015	0.014	0.015	143	153	U
Sum - N2		18.55	100.00												
Sum		100.0													
Total Nitrogen		100.04													

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EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614470MA.D
Operator : SW
Instrument : GCL
Sample Name : T-514
Run Time Bar Code:
Acquired on : 01 Sep 26 09:54 PM
Report Created on: 03 Sep 26 01:49 PM

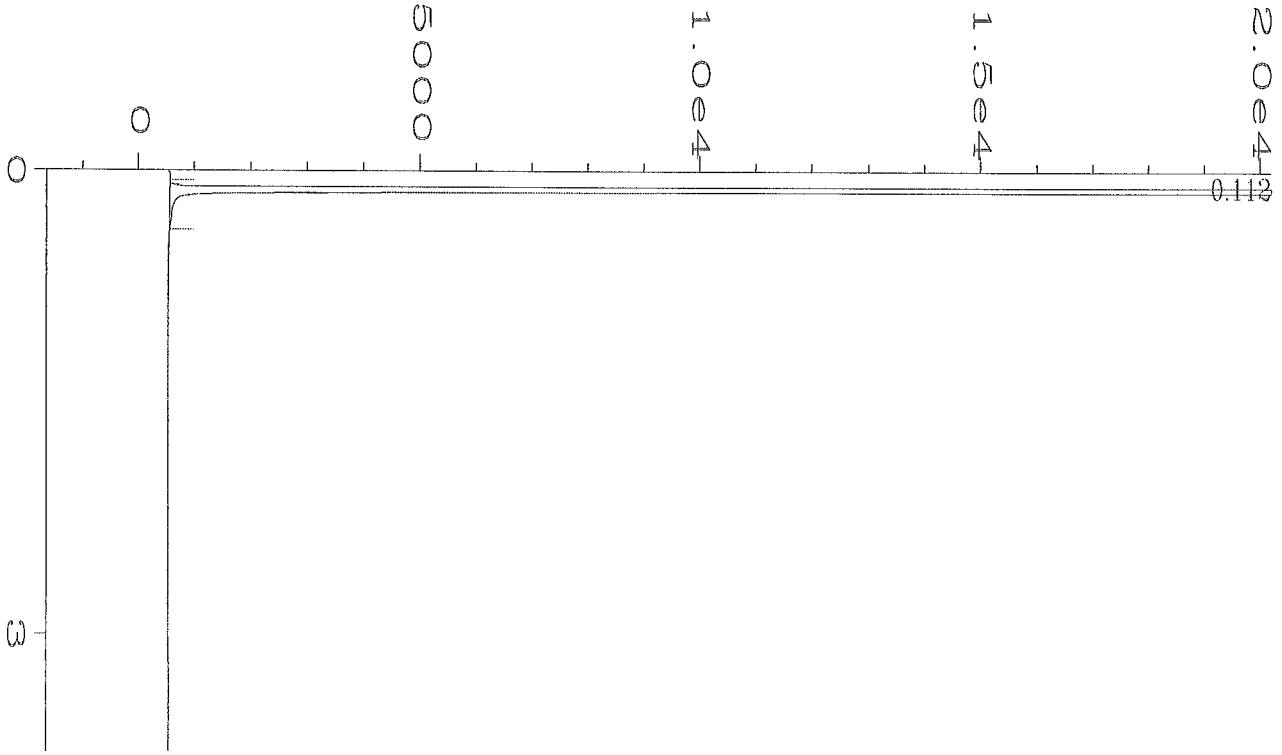
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\614470MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	2.050	29294	10717	BV	0.036	14.6117
2	2.205	171192	22791	VB	0.100	85.3883

Total area = 200487

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\614470PA.D
Operator : SW
Instrument : GCL
Sample Name : T-514
Run Time Bar Code:
Acquired on : 01 Sep 26 09:54 PM
Report Created on: 03 Sep 26 01:50 PM

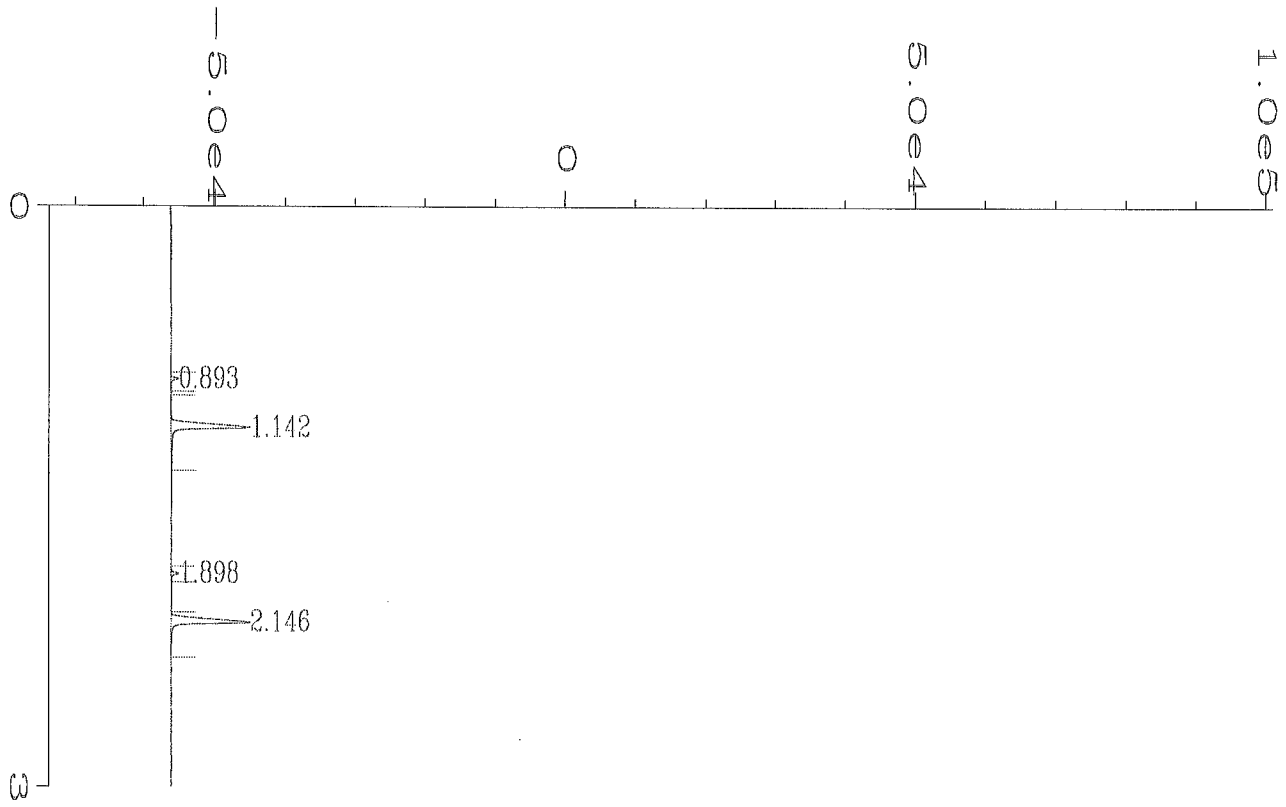
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\614470PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.112	254433	232229	BB S	0.036	100.0000

Total area = 254433

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\2614470A.D
Operator : SW
Instrument : GCL
Sample Name : T-514
Run Time Bar Code:
Acquired on : 08 Sep 26 07:35 PM
Report Created on: 09 Aug 26 01:08 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\2614470A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.893	1136	1069	PV	0.022	2.8578
2	1.142	19515	11399	VV	0.040	49.1031
3	1.898	977	1054	PB	0.014	2.4573
4	2.146	18116	11261	PV	0.025	45.5818

Total area = 39743

Method Blank Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Method Blank QC Batch report for each DAB in this SDG.

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METHOD BLANK REPORT

ENVIRONMENTAL
Analytical Service, Inc.

ASTM D 1945 GC/TCD
Analytical Method: D1945

SDG: LABQC
Laboratory Number: B09016B

File Name: B09016B
Description: METHOD BLANK
Can/Tube#:
QC_Batch: 090126-GCO

Date Sampled: **Time:**
Date Analyzed: 09/01/26 **Time:** 12:46
Can Dilution Factor: 1.00

CAS#	Compound	MDL %	RL %	Result %	MDL ppmv	RL ppmv	Result ppmV	Flag
1333-74-0	Hydrogen	0.380	0.407	ND	3,800	4,066	ND	ND
7782-44-7	Oxygen	0.050	0.054	0.21	500	535	2,060	
630-08-0	Carbon Monoxide	0.010	0.011	ND	100	107	ND	ND
124-38-9	Carbon Dioxide	0.010	0.011	ND	100	107	ND	ND

QUANTITATION REPORT

ASTM D1945 GC/TCD

File Name:	B09016B		Method:	D1945	
SDG:	LABQC		Cal Update:	4/19/24	
Lab Id:	B09016B		SF:	2	
Description:	METHOD BLANK		Not Detected Flag:	ND	
Date Sampled:	NA	Time: NA	Matrix	AA	
Date Received:	NA	Time: NA	Type	TRG	
Date Analyzed:	09/01/26	Time: 12:46	Instrument	GCO	
QCBatch	090126-GCO		Flux Factor:	0.385	mg/m2*min
Can Number	NA				
Can Factor	1.00				
Volume:	0.5				
Type	MB				

CAS#	Compound	Num	STD RT		Sample Area
1333-74-0	Hydrogen	01	0.92		0
7782-44-7	Oxygen	02	2.29	2.31	464
7727-37-9	Nitrogen	03	2.61	2.65	1680
74-82-8	Methane	04	3.67		0
630-08-0	Carbon Monoxide	05	3.95		0
124-38-9	Carbon Dioxide	06	0.30		0

The Hydrogen Area is from the GCO run for Helium and Hydrogen done with Nitrogen carrier gas

For Data Package Print: QUANT, CALC, REPORT

CALCULATIONS

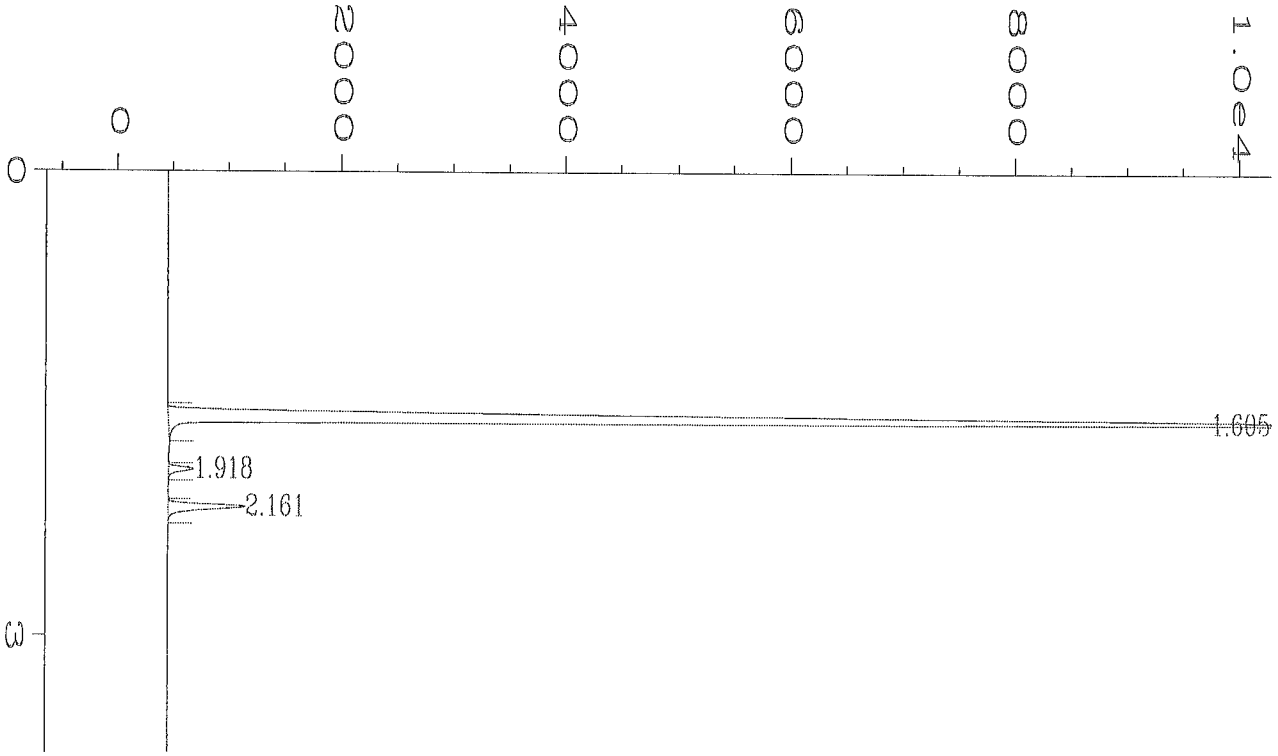
ASTM D1945 GC/TCD

SDG: LABQC
Laboratory Number: B09016E

File Name:	B09016B		Detect Flag:	ND	
QCBatch	090126-GCO		Report Normalized:	No	
Can Factor	1.00				
Air Volume:	0.50	ml	Temp	25	C
Base Volume	0.50	ml	Atm P	760.0	torr
Dilution Factor	1.00		Gas Constant	24.4	
Gas Constant:	24.4		RL Factor	1.07	
Decimal Places:	2				

Compound	MW	Calc Result %	Result %Norm	Fixed Result %	Fixed ResultV ppmv	Fixed ResultQ %	ResultG %	MDL ppmv	MDL %	RL %	Calc Fixed MDL %	Fixed RL %	Fixed MDL ppmv	Fixed RL ppmv	Lab Qual
Hydrogen	2.02	0.00	0.00	ND	ND	0.00		3800	0.380	0.407	0.380	0.407	3,800	4,066	U
Oxygen	32.00	0.21	0.21	0.21	2,060	0.21	0.21	500	0.050	0.054	0.050	0.054	500	535	
Nitrogen	28.01	99.79	99.79	99.79	997,940	99.79	99.79	1000	0.100	0.107	0.100	0.107	1,000	1,070	
Methane	16.04	0.00	0.00	ND	ND	0.00		100	0.010	0.011	0.010	0.011	100	107	U
Carbon Monoxide	28.01	0.00	0.00	ND	ND	0.00		100	0.010	0.011	0.010	0.011	100	107	U
Carbon Dioxide	44.01	0.00	0.00	ND	ND	0.00		100	0.010	0.011	0.010	0.011	100	107	U
Sum - N2		0.21	100.00												
Sum		100.0													
Total Nitrogen		0.69													

EPA Qual	Det Qual	Rpt
	ND	Y
	=	Y
	=	Y
	ND	Y
	ND	Y
	ND	Y



==========

Area Percent Report

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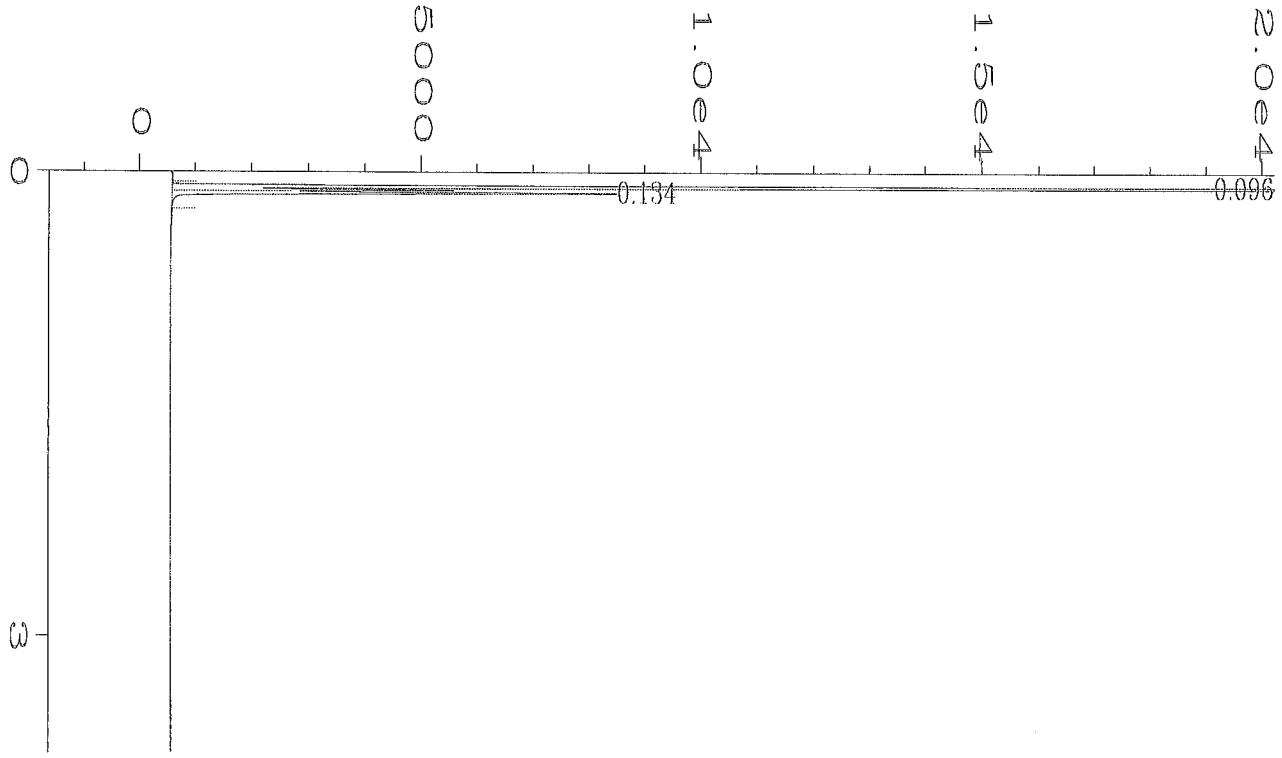
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\B09016MB.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : METHOD BLANK
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 12:46 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Aug 26 04:19 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\B09016MB.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.605	33297	12719	BB	0.035	93.9499
2	1.918	464	226	BB	0.032	1.3091
3	2.161	1680	695	BB	0.037	4.7410

Total area = 35442

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\B09016PB.D
Operator : DA
Instrument : GCL
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 01 Sep 26 12:46 PM
Report Created on: 03 Sep 26 01:08 PM

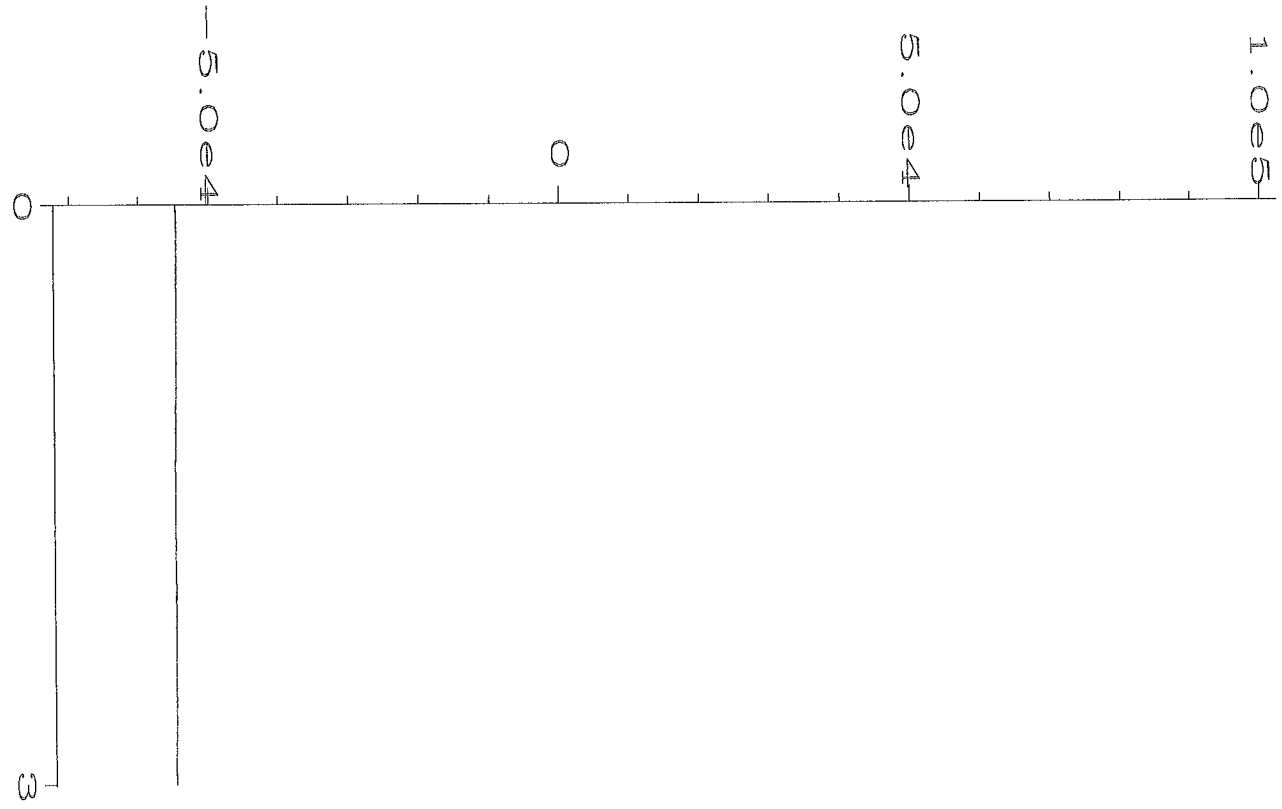
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\B09016PB.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.096	52180	78543	BV	0.014	88.3013
2	0.134	6913	8040	VB	0.014	11.6987

Total area = 59093

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\B09086A.D
Operator : DA
Instrument : GCL
Sample Name : METHOD BLANK
Run Time Bar Code:
Acquired on : 08 Sep 26 01:59 PM
Report Created on: 09 Aug 26 12:32 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\B09086A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %

No results to report

==========

LCS/LCD Data Packages

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument.
The DAB identifier is on each analytial report in the field called QC Batch.
There will be one LCS/LCD report for each QC Batch (DAB) in this SDG.

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QUALITY CONTROL REPORT

ENVIRONMENTAL
Analytical Service, Inc.

Laboratory Control Spike and Laboratory Control Duplicate

ASTM D 1945 GC/TCD
Analytical Method: D1945

Date: 09/01/26
QC_Batch: 090126-GCO

CAS#	Compound	LCS Recovery %	Flag	LCD Recovery %	Flag	Spike Limit LCL %	Spike Limit UCL %	Duplicate %	Duplicate Limit %	Flag
7782-44-7	Oxygen	92		101		70	130	10	25	
7727-37-9	Nitrogen	103		129		70	130	22	25	
74-82-8	Methane	75		76		70	130	2	25	
630-08-0	Carbon Monoxide	98		100		70	130	2	25	
124-38-9	Carbon Dioxide	109		108		70	130	1	25	

QUANTITATION REPORT

ASTM D 1945 GC/TCD

	LCS		LCD			
File Name:	**QC09016C**		**QC09016B**	Method:	**D1945**	D1945
SDG:	**LABQC**		**LABQC**	SF:	**2**	D1946
Lab Id:	**QC09016C**		**QC09016B**	Detect Flag:	**ND**	3C
Description:	**ST61561**		**ST61561**	Matrix:	**AA**	
Time:	**12:07**	Time:	**12:12**	Type:	**TRG**	
Date Analyzed:	**09/01/26**			Instrument:	**GCO**	
QC Batch	**090126-GCO**					

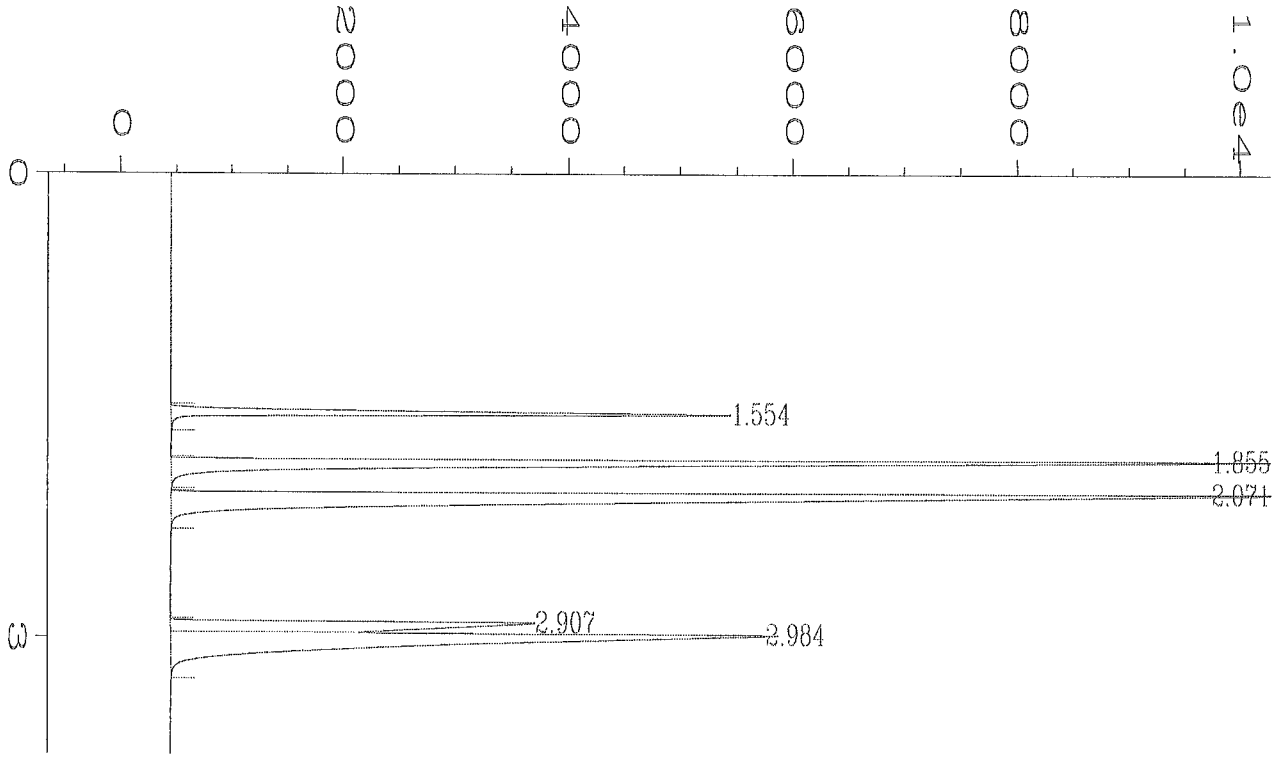
CAS#	Compound	Num	Column	STD RT	STD Conc.	ST63400 Standard Area	C LCS Area	B LCD Area
7782-44-7	Oxygen	01	MS	1.97	2.49	**5152**	23224	25694
7727-37-9	Nitrogen	02	MS	2.07	4.84	**10023**	35361	44164
74-82-8	Methane	03	MS	2.66	3.97	**5638**	10913	11109
630-08-0	Carbon Monoxide	04	MS	2.43	5.15	**10876**	25114	25534
124-38-9	Carbon Dioxide	05	PQ	0.33	4.80	**20611**	47545	47292

QUANTITATION REPORT

ASTM D 1945 GC/TCD

	LCS		LCD			
				Method:	D1945	D1945
File Name:	QC09016C		QC09016B	SF:	2	D1946
SDG:	LABQC		LABQC	Detect Flag:	ND	3C
Lab Id:	QC09016C		QC09016B	Matrix:	AA	
Description:	ST61561		ST61561	Type:	TRG	
Time:	12:07	Time:	12:12	Instrument:	GCO	
Date Analyzed:	09/01/26					
QC Batch	090126-GCO					

						ST63400	C	B
			Column	STD	STD	Standard	LCS	LCD
CAS#	Compound	Num		RT	Conc.	Area	Area	Area
7782-44-7	Oxygen	01	MS	1.97	2.49	**5152**	23224	25694
7727-37-9	Nitrogen	02	MS	2.07	4.84	**10023**	35361	44164
74-82-8	Methane	03	MS	2.66	3.97	**5638**	10913	11109
630-08-0	Carbon Monoxide	04	MS	2.43	5.15	**10876**	25114	25534
124-38-9	Carbon Dioxide	05	PQ	0.33	4.80	**20611**	47545	47292



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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901MC.D
Operator : DA
Page Number : 1
Instrument : GCL
Vial Number :
Sample Name : ST63484
Injection Number :
Run Time Bar Code:
Sequence Line :
Acquired on : 01 Sep 26 12:16 PM
Instrument Method: ASTM1946.MTH
Report Created on: 03 Sep 26 01:07 PM
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901MC.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.554	8732	5054	BB	0.026	8.4496
2	1.855	23224	10184	BB	0.031	22.4725
3	2.071	35361	9971	BB	0.048	34.2165
4	2.907	10913	3253	BV	0.051	10.5602
5	2.984	25114	5417	VB	0.060	24.3010

Total area = 103345

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901PC.D
Operator : DA
Instrument : GCL
Sample Name : ST63484
Run Time Bar Code:
Acquired on : 01 Sep 26 12:16 PM
Report Created on: 03 Sep 26 01:07 PM

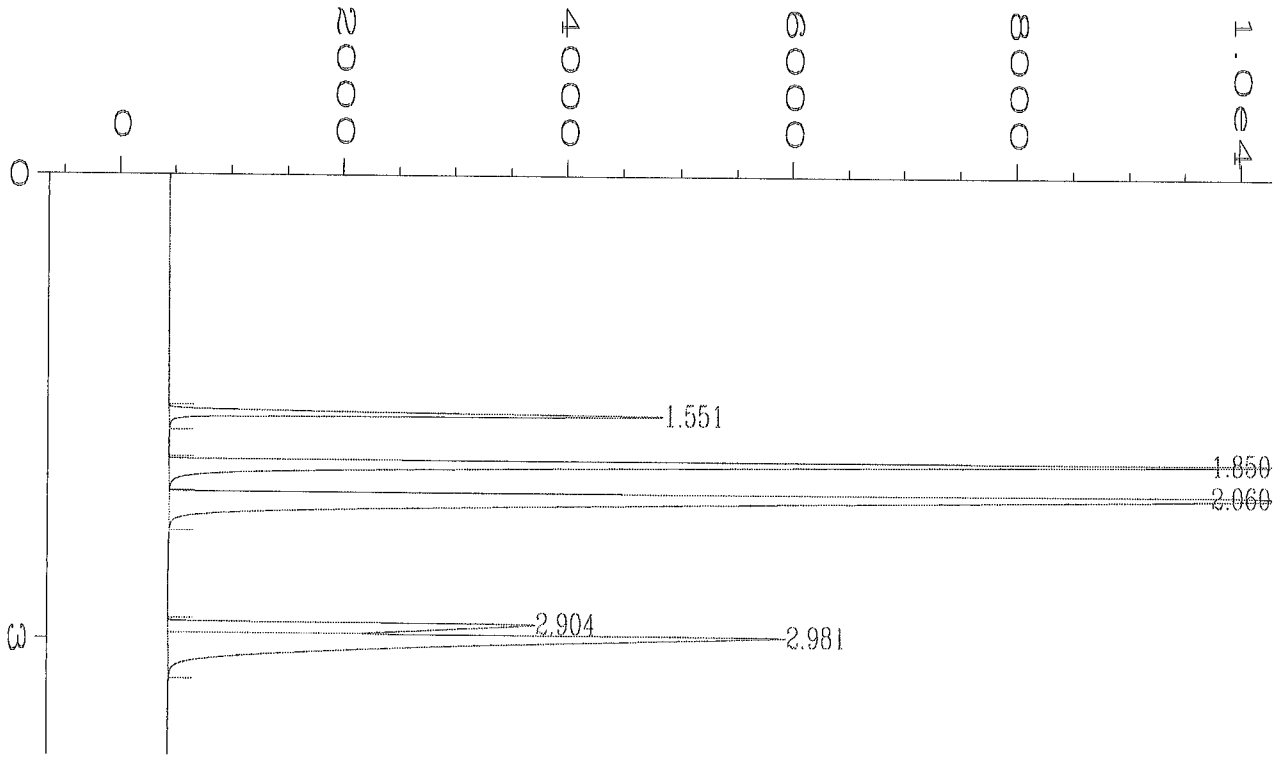
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901PC.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.114	148996	129184	BH S	0.017	66.4083
2	0.165	27822	22347	HB S	0.019	12.4005
3	0.293	47545	15108	BV T	0.050	21.1912

Total area = 224363

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Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901MB.D
Operator : DA
Instrument : GCL
Sample Name : ST63484
Run Time Bar Code:
Acquired on : 01 Sep 26 12:11 PM
Report Created on: 03 Sep 26 01:06 PM

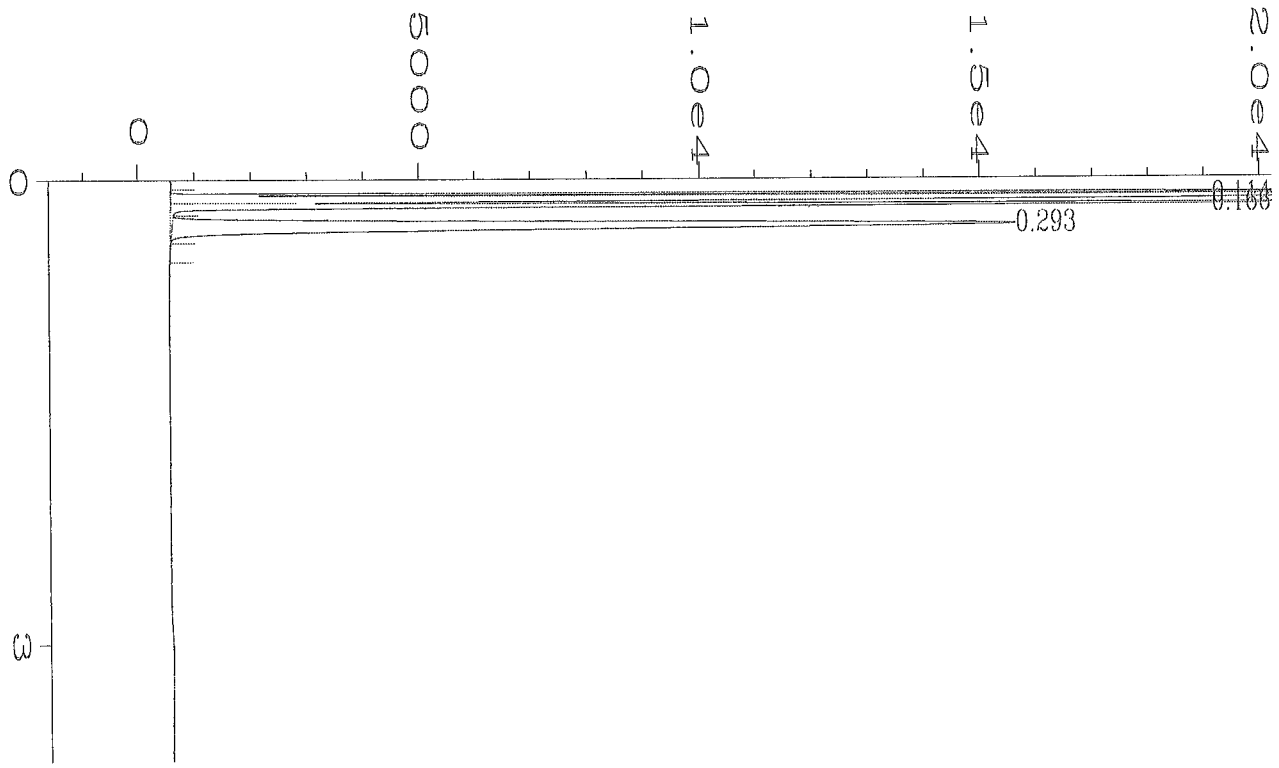
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901MB.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.551	7410	4455	BB	0.025	6.5048
2	1.850	25694	10571	BB	0.033	22.5565
3	2.060	44164	11349	BB	0.052	38.7710
4	2.904	11109	3272	BV	0.049	9.7521
5	2.981	25534	5492	VB	0.061	22.4156

Total area = 113910

==========



Area Percent Report

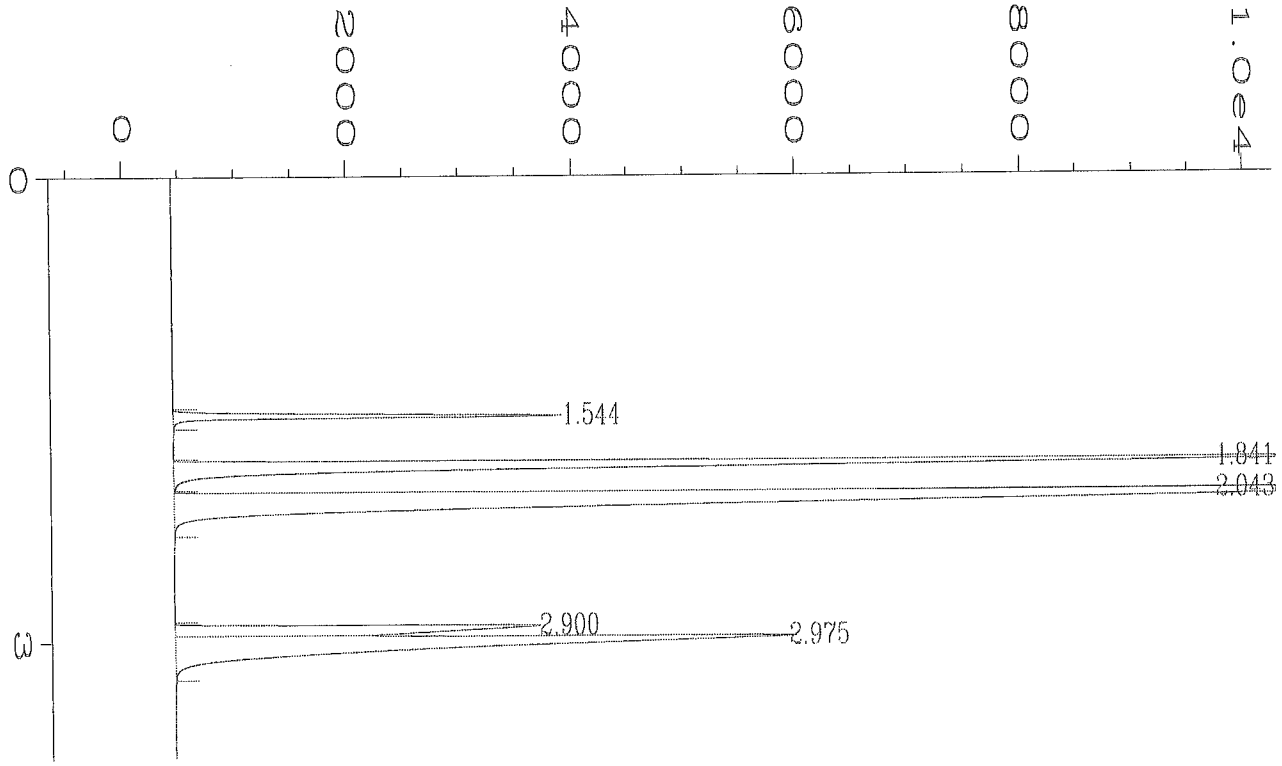
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901PB.D
Operator : DA
Instrument : GCL
Sample Name : ST63484
Run Time Bar Code:
Acquired on : 01 Sep 26 12:11 PM
Report Created on: 03 Sep 26 01:06 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901PB.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.114	161444	144038	BH S	0.017	68.0472
2	0.166	28516	22534	HB S	0.020	12.0194
3	0.293	47292	15040	BV T	0.050	19.9334

Total area = 237253



==========

Area Percent Report

==========

Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901MA.D
Operator : DA
Instrument : GCL
Sample Name : ST63484
Run Time Bar Code:
Acquired on : 01 Sep 26 12:04 PM
Report Created on: 03 Sep 26 01:06 PM

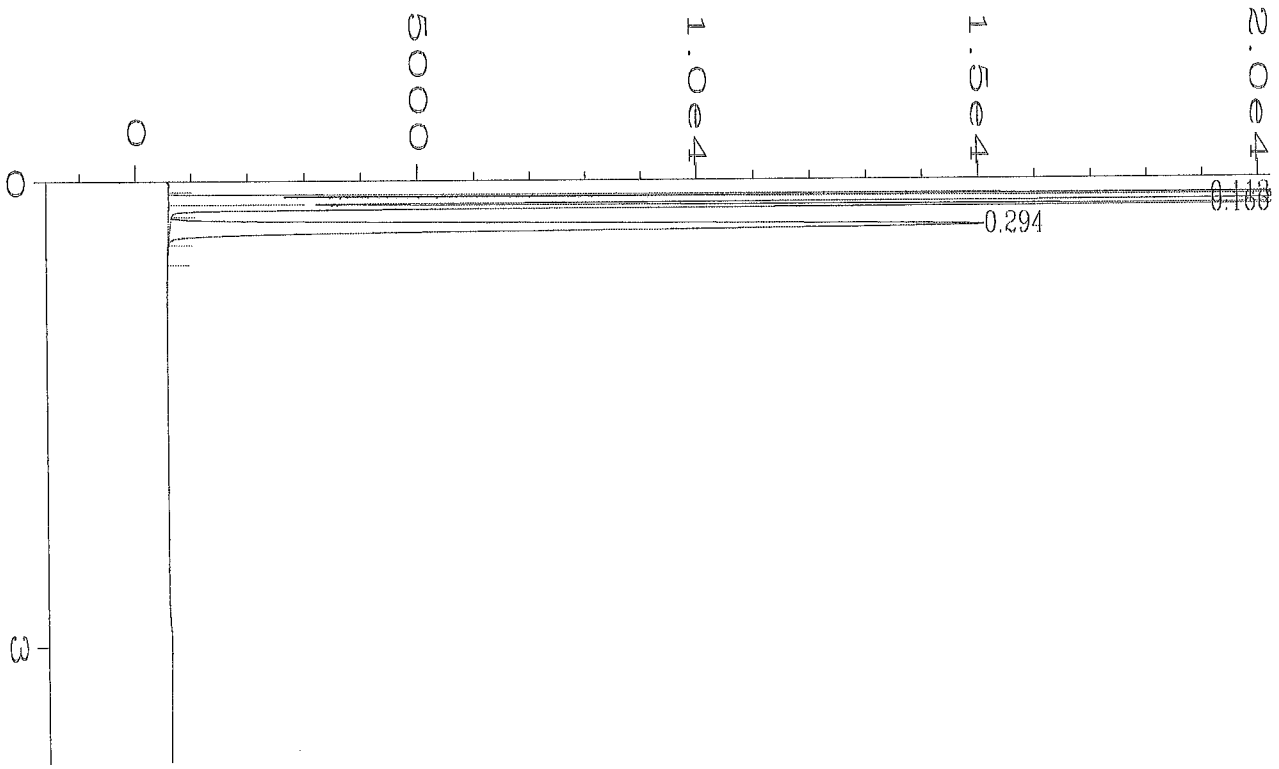
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901MA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.544	5481	3485	BB	0.024	4.2518
2	1.841	29156	11703	BV	0.034	22.6179
3	2.043	57455	13348	VB	0.062	44.5715
4	2.900	10642	3235	BV	0.050	8.2560
5	2.975	26172	5485	VB	0.063	20.3028

Total area = 128906

==========



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901PA.D
Operator : DA
Instrument : GCL
Sample Name : ST63484
Run Time Bar Code:
Acquired on : 01 Sep 26 12:04 PM
Report Created on: 03 Sep 26 01:06 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\QC0901PA.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.113	180617	158607	BH S	0.019	70.9951
2	0.166	28183	22203	HB S	0.020	11.0779
3	0.294	45608	14509	BV T	0.050	17.9271

Total area = 254408

==========

Continuing Calibration Data Package

Samples are analyzed in a Daily Analytical Batch (DAB) on an instrument. The DAB identifier is on each analytial report in the field called QC Batch. There will be one Continuing Calibration QC Batch report for each DAB in this SDG.

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CONTINUING CALIBRATION REPORT

ASTM D1945 GC/TCD

SDG: LABQC
QC_Batch: **090126-GCO**
Sample Analysis Date: 09/01/26
Initial Calibration Date: 04/19/24

Sample Calculation:

1) $CCRRF = \left| \frac{(Astdni)}{(Cstdni)} \right|$

2) $Avg\ RFn = Sum \left| \frac{(Astdni)}{(Cstdni)} \right|$

Calibration Level Level 9

Compound	Area Astdi	Cal Level Cstdi %	CCRRF	RFn	%Dev	%Dev Limit	%Dev Flag
Hydrogen	135371	10.00	13537	15714	-14	20	IN
Oxygen	5152	2.49	2069	2252	-8	20	IN
Nitrogen	10023	4.84	2071	2441	-15	20	IN
Methane	5638	3.97	1420	1738	-18	20	IN
Carbon Monoxide	10876	5.15	2112	2236	-6	20	IN
Carbon Dioxide	20611	4.800	4294	4861	-12	20	IN

Initial Calibration Data Packages

Samples were analyzed using the methods listed in Section 3. For each of the methods there is an Initial Calibration Curve that meets the criteria defined in Section 2 on Quality Control for the modified method.

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Response Factors
Quant Report

INITIAL CALIBRATION REPORT

ASTM D1945 GC/TCD

Curve Date: 04/19/24
Analysis Date: 09/01/26

Calibration Amount CA, %

Compound	Level 1 Amt	Level 2 Amt	Level 3 50% AIR ST63413	Level 4 AIR ST63412	Level 5 25% CO2 ST63410	Level 6 25% CH4 ST63411	Level 7 ST63405 ST63409	Level 8 ST36406 ST63408	Level 9 ST63407 ST63400
Hydrogen							5.00	10.00	20.00
Oxygen			10.77	21.54			0.62	1.25	2.49
Nitrogen			39.31	78.62			1.21	2.42	4.84
Methane						25	0.99	1.99	3.97
Carbon Monoxide							1.29	2.58	5.15
Carbon Dioxide				0.0410	25.00		1.20	2.40	4.80
Percentage of Pure Gas			50%	100%	25%	25%	25%	50%	100%

INITIAL CALIBRATION REPORT

ASTM D1945 GC/TCD

Curve Date: 04/19/24
Analysis: #REF!

Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8	Level 9
		C0419MG	C0419MF	C0419MD	C0419ME	C04164MA	C04164MC	C04164MF
						C04194MA	C04194MB	C04194MA
						ST63405	ST36406	ST63407
		ST63413	ST63412	ST63410	ST63411	ST63409	ST63408	ST63400
						96772	164636	226464
		22634	43767			1667	2961	4781
		86503	168513			3564	6267	10088
					45001	1863	3675	5651
						2980	5858	10917
			173	122598		6611	12888	20631

INITIAL CALIBRATION REPORT: Response Factors

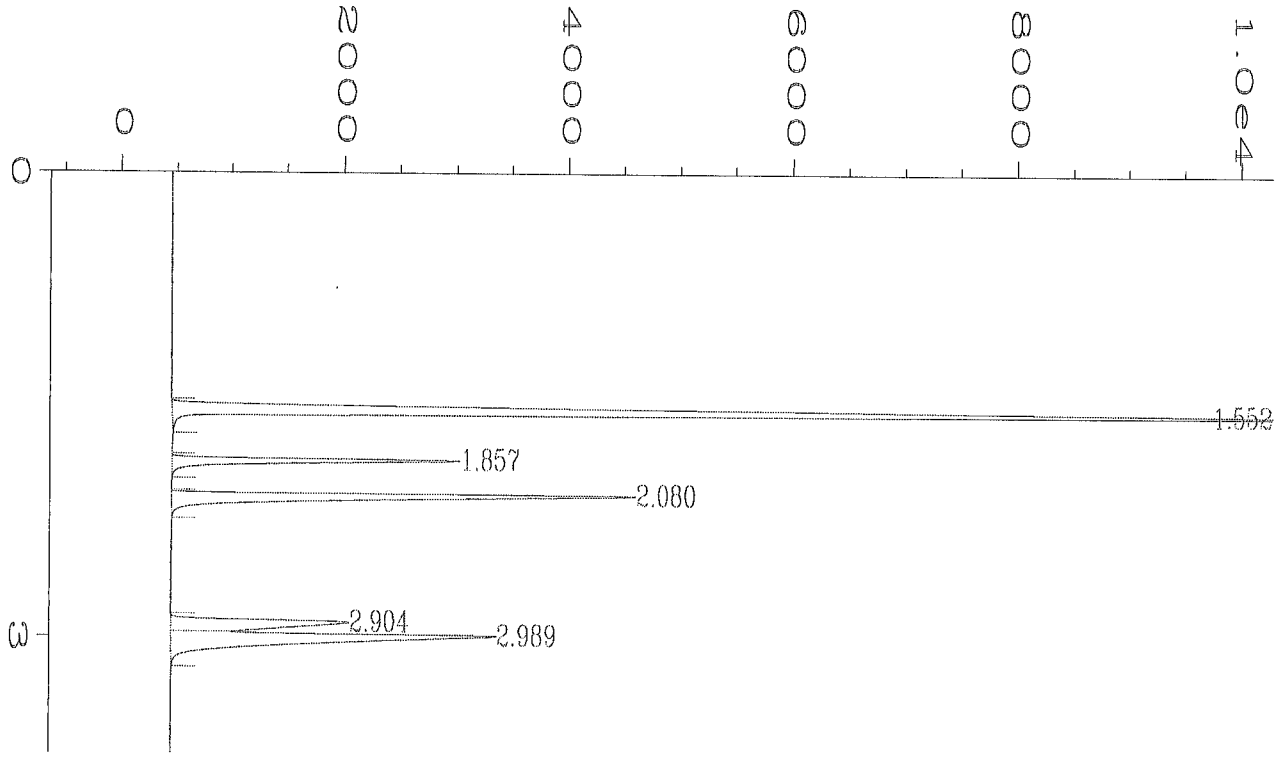
Curve Date: 04/19/24
Analysis Date: 09/01/26

Sample Calculation:

1) Avg RFn = Sum $\left|\frac{(Astdni)}{(Cstdni)}\right|$ i

Response Factors

Compound	RF1	RF2	RF3	RF4	RF5	RF6	RF7	RF8	RF9	AvgRFn	%RSD
Hydrogen							19354	16464	11323	15714	25.89
Oxygen			2102	2032			2678	2378	1920	2252	15.30
Nitrogen			2201	2143			2945	2590	2084	2441	16.60
Methane						1800	1877	1851	1423	1738	12.21
Carbon Monoxide							2314	2275	2119	2236	4.60
Carbon Dioxide				4220	4904		5510	5371	4299	4861	12.22



Area Percent Report

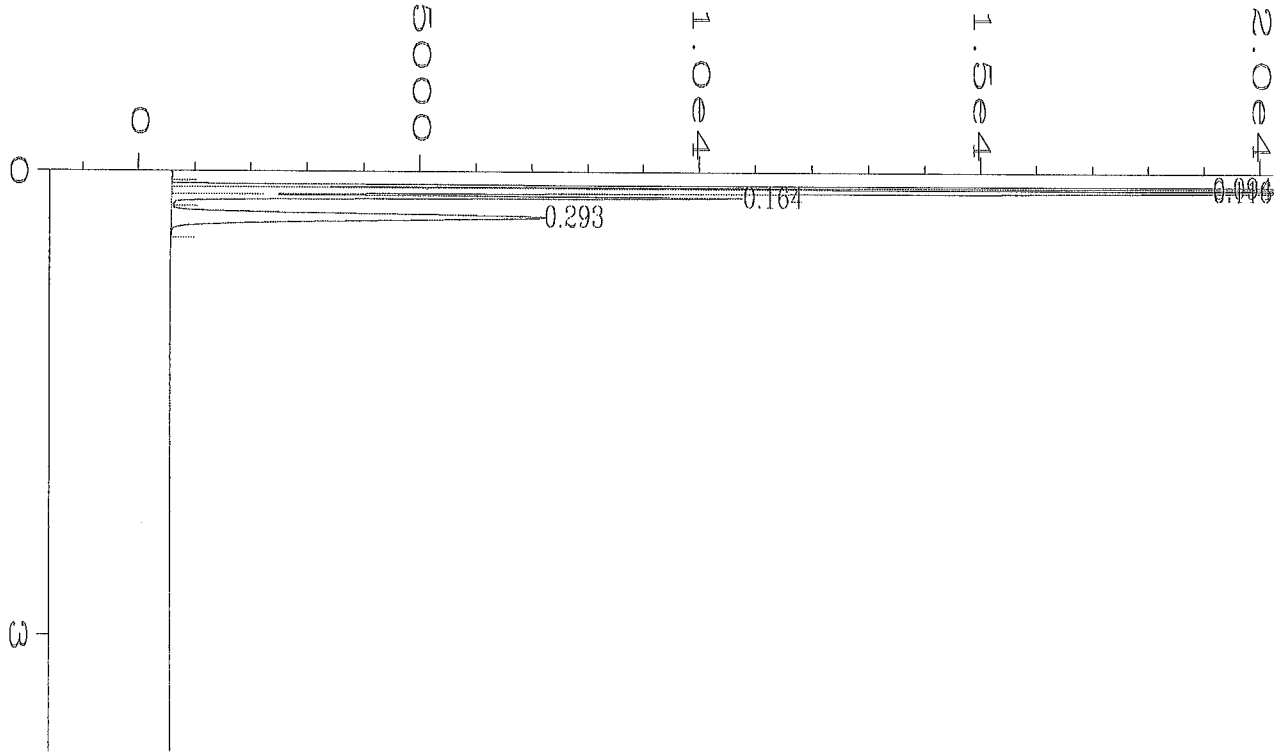
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Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:47 AM
Report Created on: 03 Sep 26 01:05 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016H.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.552	24906	10840	BB	0.032	44.1438
2	1.857	4802	2579	BB	0.028	8.5117
3	2.080	10107	4139	BB	0.035	17.9147
4	2.904	5638	1592	BV	0.053	9.9928
5	2.989	10966	2904	VB	0.051	19.4370

Total area = 56419



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PH.D
Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:47 AM
Report Created on: 03 Sep 26 01:05 PM

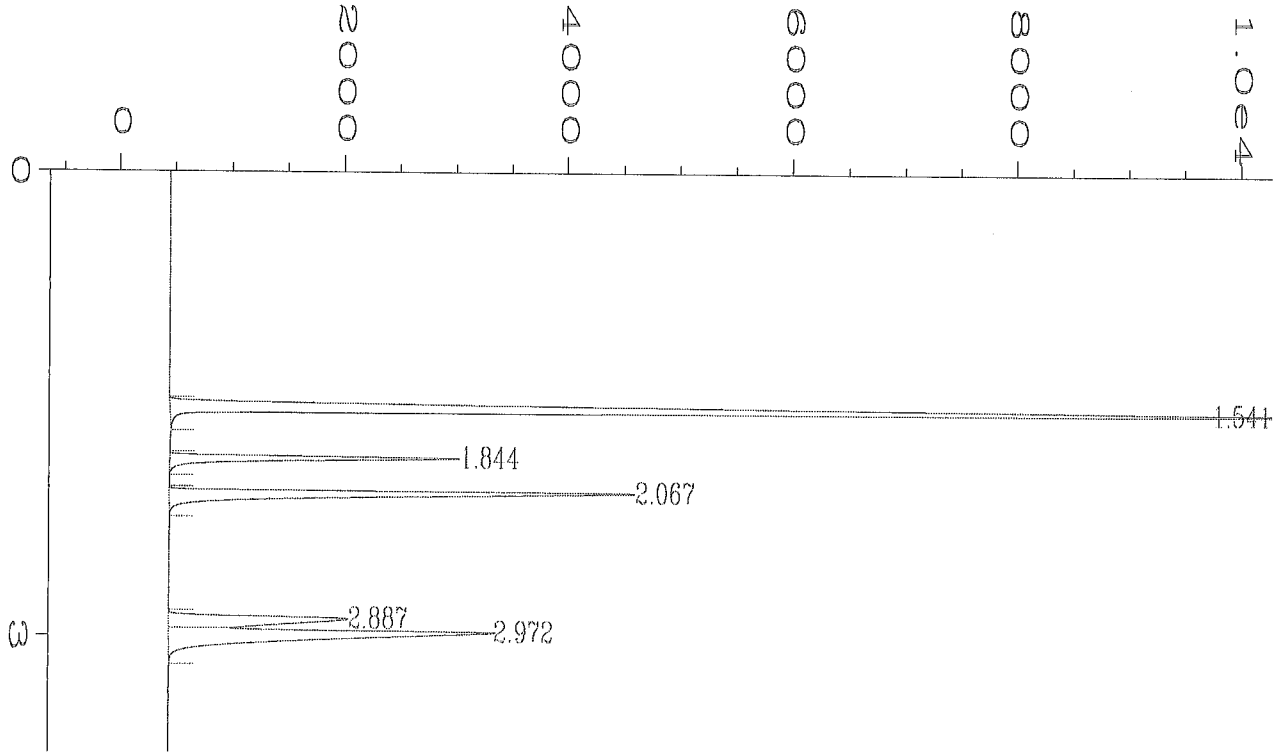
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PH.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.094	43776	70563	BV	0.010	33.8191
2	0.116	52982	45208	VV	0.020	40.9308
3	0.164	12052	10295	VV	0.020	9.3107
4	0.293	20632	6706	VB	0.048	15.9394

Total area = 129443

==========



Area Percent Report

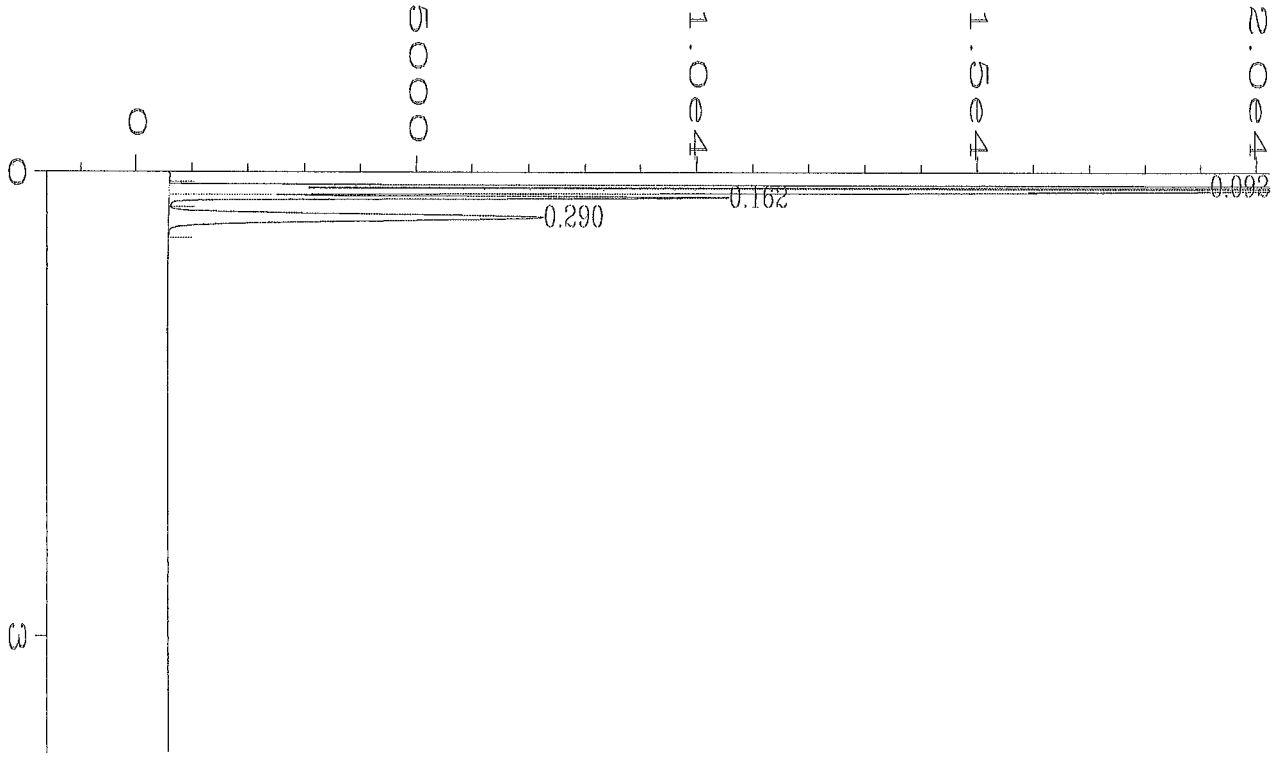
Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\C09016G.D
Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:43 AM
Report Created on: 03 Sep 26 01:04 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016G.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.541	24700	10656	BB	0.032	44.0637
2	1.844	4768	2588	BB	0.028	8.5054
3	2.067	10061	4139	BB	0.035	17.9486
4	2.887	5630	1592	BV	0.054	10.0435
5	2.972	10896	2898	VB	0.051	19.4388

Total area = 56055



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PG.D
Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:43 AM
Report Created on: 03 Sep 26 01:05 PM

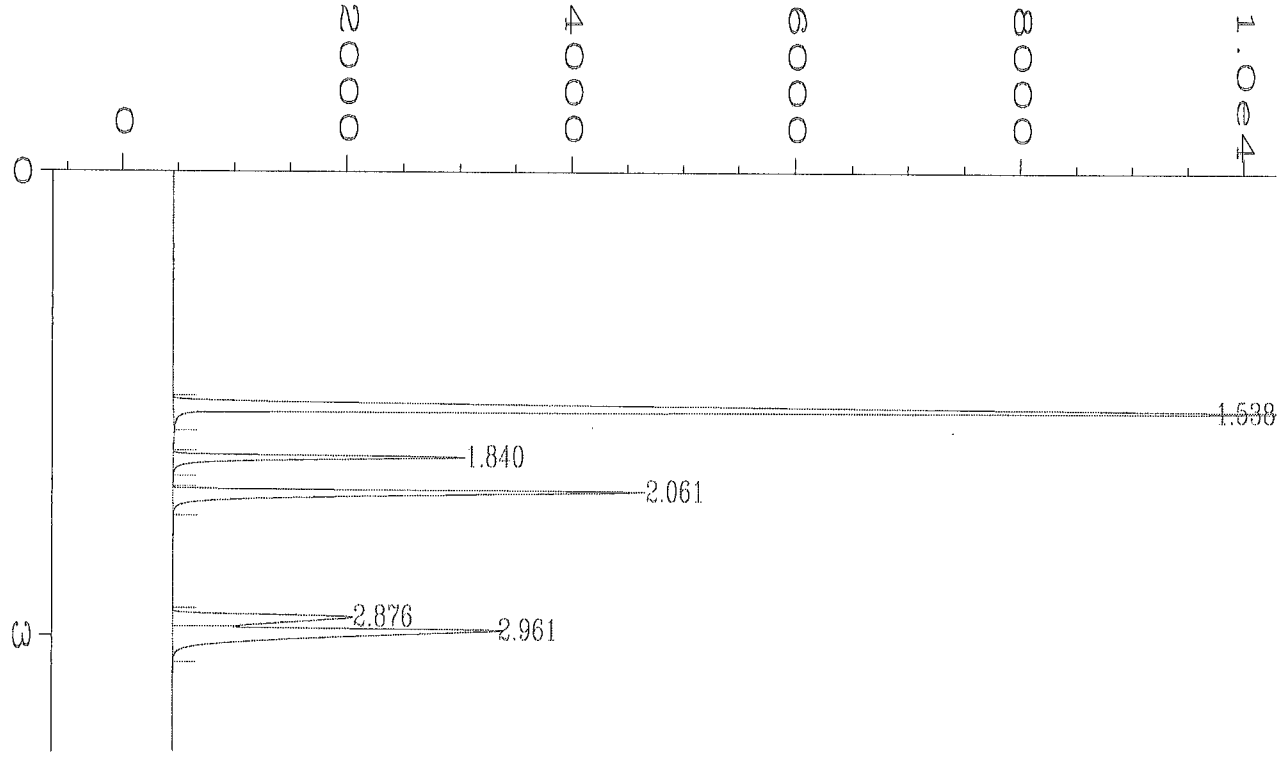
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PG.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.092	101063	65294	BV	0.024	75.6087
2	0.162	12032	10184	VV	0.030	9.0014
3	0.290	20571	6681	VB	0.048	15.3899

Total area = 133666

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\C09016F.D
Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:37 AM
Report Created on: 03 Sep 26 01:04 PM

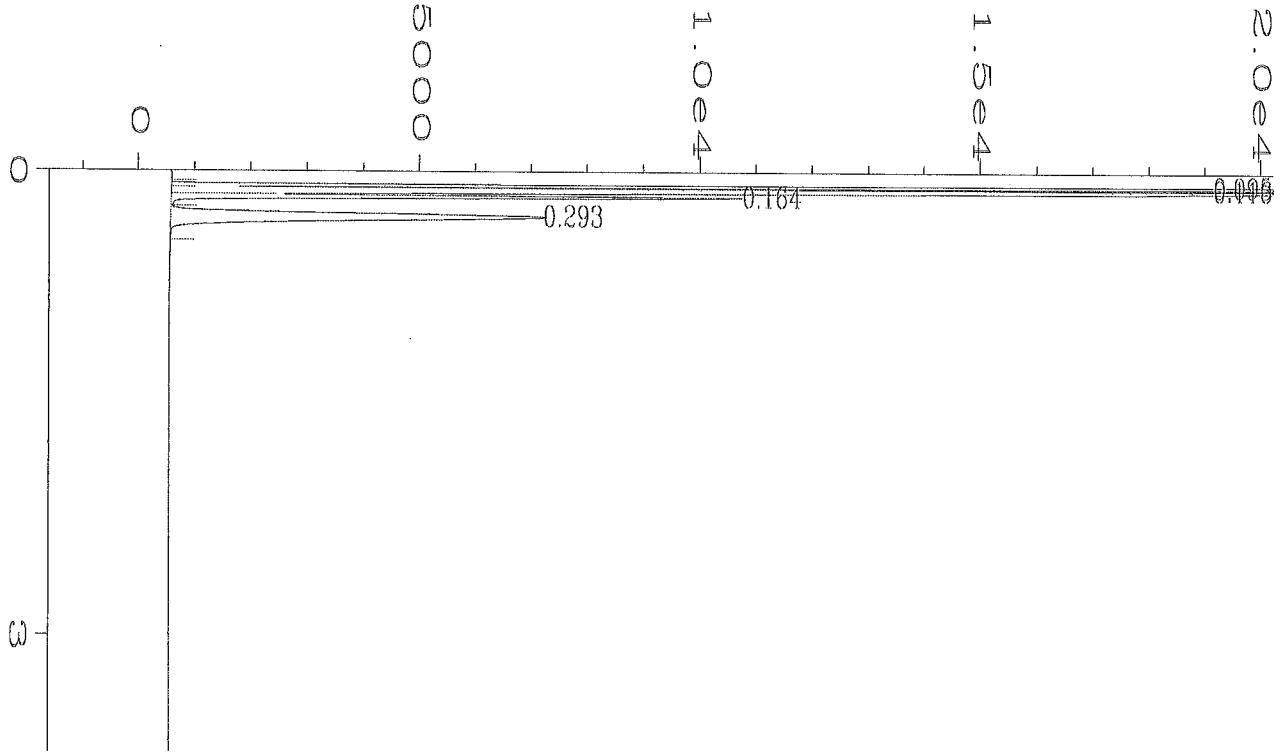
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016F.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.538	24818	10726	BB	0.032	44.1176
2	1.840	4781	2589	BB	0.028	8.4983
3	2.061	10088	4206	BB	0.035	17.9323
4	2.876	5651	1604	BV	0.054	10.0458
5	2.961	10917	2942	VB	0.051	19.4060

Total area = 56254

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PF.D
Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:37 AM
Report Created on: 03 Sep 26 01:04 PM

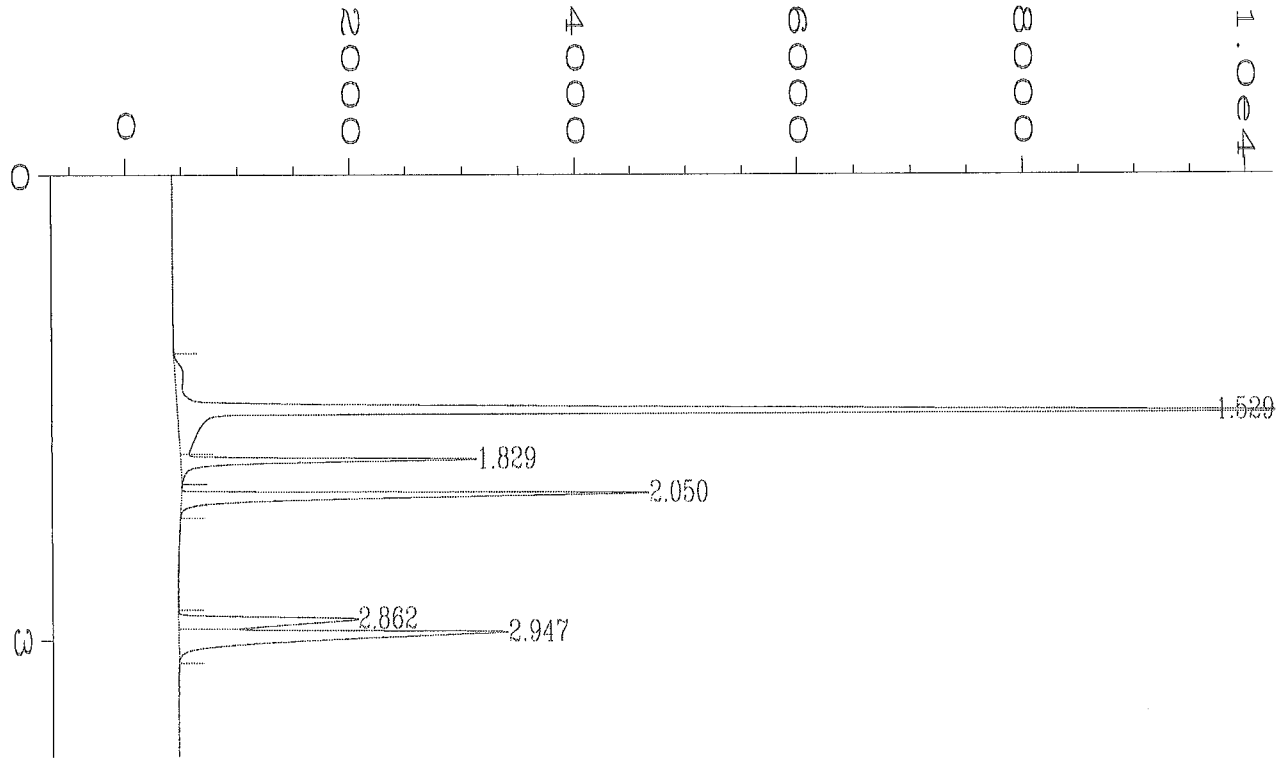
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PF.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.095	49088	68704	BV	0.012	35.8696
2	0.116	55084	45448	VV	0.021	40.2509
3	0.164	12048	10287	VV	0.018	8.8040
4	0.293	20631	6701	VB	0.048	15.0755

Total area = 136851

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\C09016E.D
Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:26 AM
Report Created on: 03 Sep 26 01:03 PM

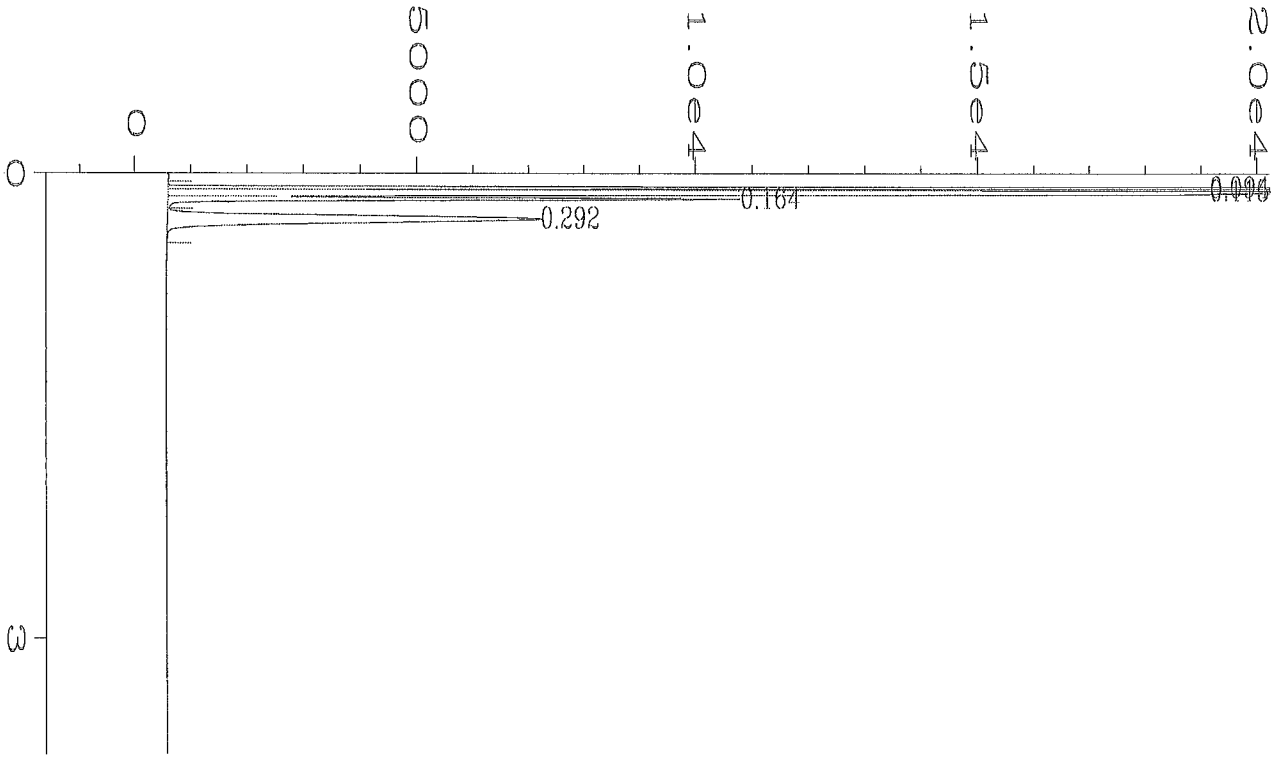
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016E.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	1.529	29132	11246	BV	0.049	47.8979
2	1.829	5152	2640	VB	0.029	8.4702
3	2.050	10023	4159	BB	0.035	16.4800
4	2.862	5638	1610	BV	0.054	9.2695
5	2.947	10876	2929	VB	0.051	17.8824

Total area = 60822

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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PE.D
Operator : KL
Instrument : GCL
Sample Name : ST63485
Run Time Bar Code:
Acquired on : 01 Sep 26 11:26 AM
Report Created on: 03 Sep 26 01:03 PM

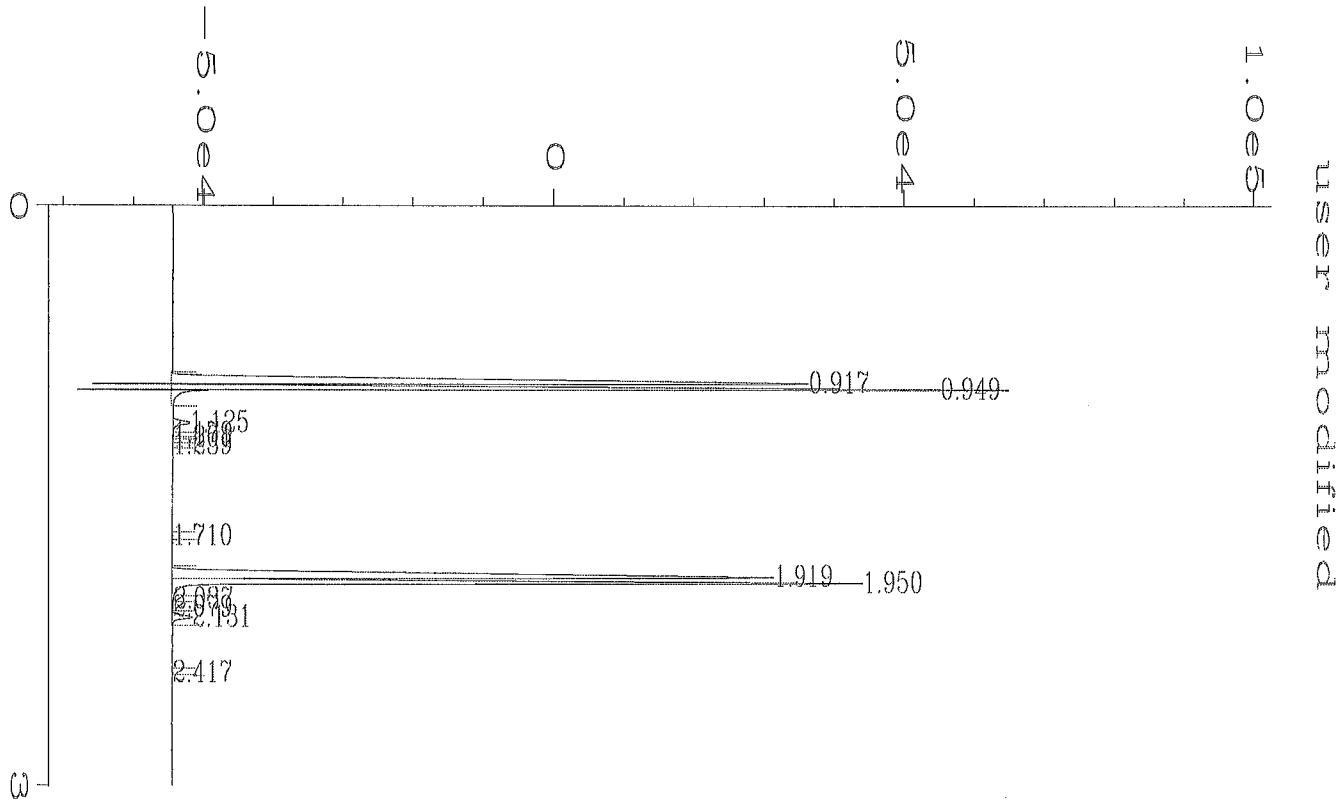
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: ASTM1946.MTH
Analysis Method : DEFAULT.MTH

Sig. 2 in C:\GCCHEM\1\DATA\GCO\09016GCO\C09016PE.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.094	48682	72996	BV	0.011	35.4021
2	0.115	56159	46421	VV	0.018	40.8393
3	0.164	12060	10267	VV	0.020	8.7701
4	0.292	20611	6678	VB	0.048	14.9886

Total area = 137512

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Area Percent Report

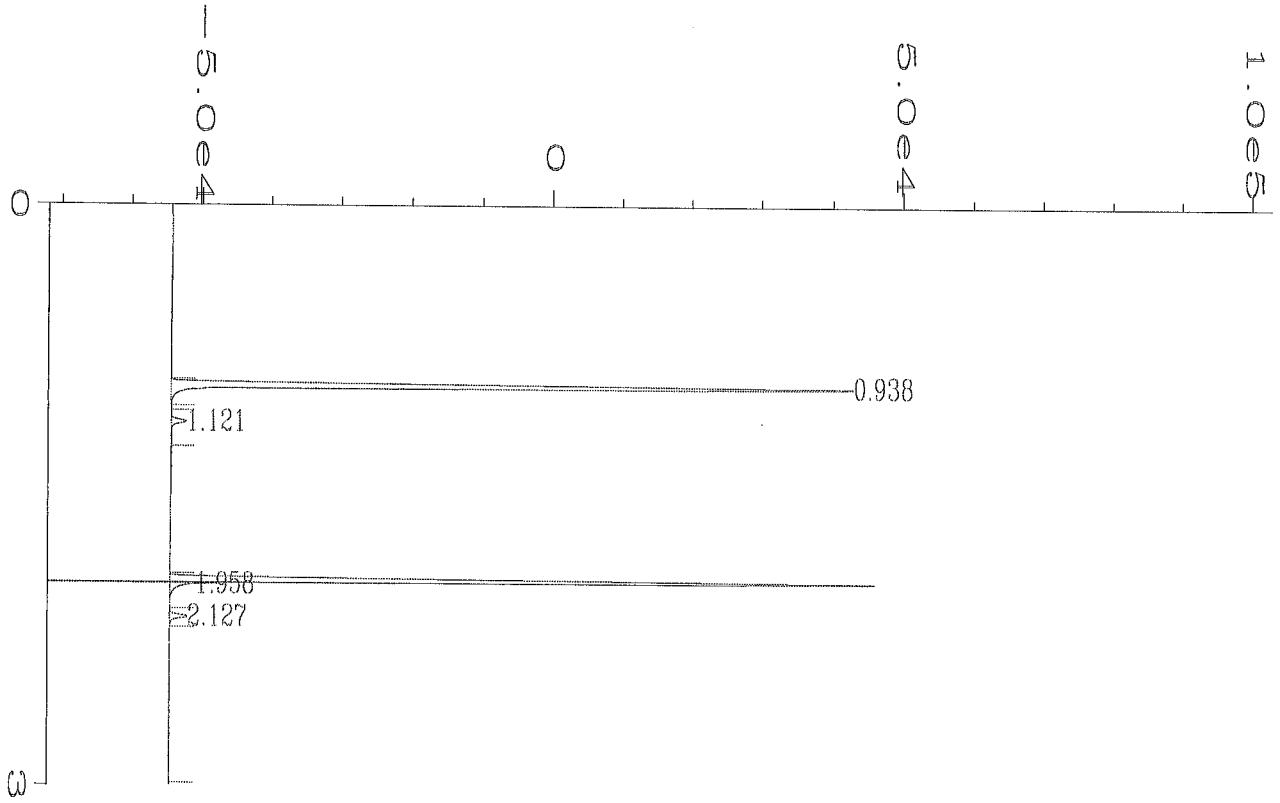
Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\C09086E.D
Operator : DA
Instrument : GCL
Sample Name : ST63492
Run Time Bar Code:
Acquired on : 08 Sep 26 01:54 PM
Report Created on: 09 Aug 26 12:30 PM
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\C09086E.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.917	145729	91733	MF	0.026	28.6285
2	0.949	114323	139004	FM	0.014	22.4588
3	1.125	3694	2450	BV T	0.023	0.7257
4	1.179	81	88	VV T	0.014	0.0159
5	1.201	22	41	VV T	0.009	0.0043
6	1.239	50	51	VV T	0.016	0.0099
7	1.710	184	140	PV T	0.022	0.0361
8	1.919	137312	87188	VV T	0.026	26.9751
9	1.950	102616	100929	VV T	0.032	20.1591
10	2.037	384	233	VV T	0.027	0.0754
11	2.079	347	116	VV T	0.040	0.0682
12	2.131	4231	2955	VV T	0.022	0.8313
13	2.417	60	104	VV T	0.010	0.0119

Total area = 509034

User Modified



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\C09086D.D
Operator : DA
Instrument : GCL
Sample Name : ST63492
Run Time Bar Code:
Acquired on : 08 Sep 26 01:50 PM
Report Created on: 09 Aug 26 12:30 PM

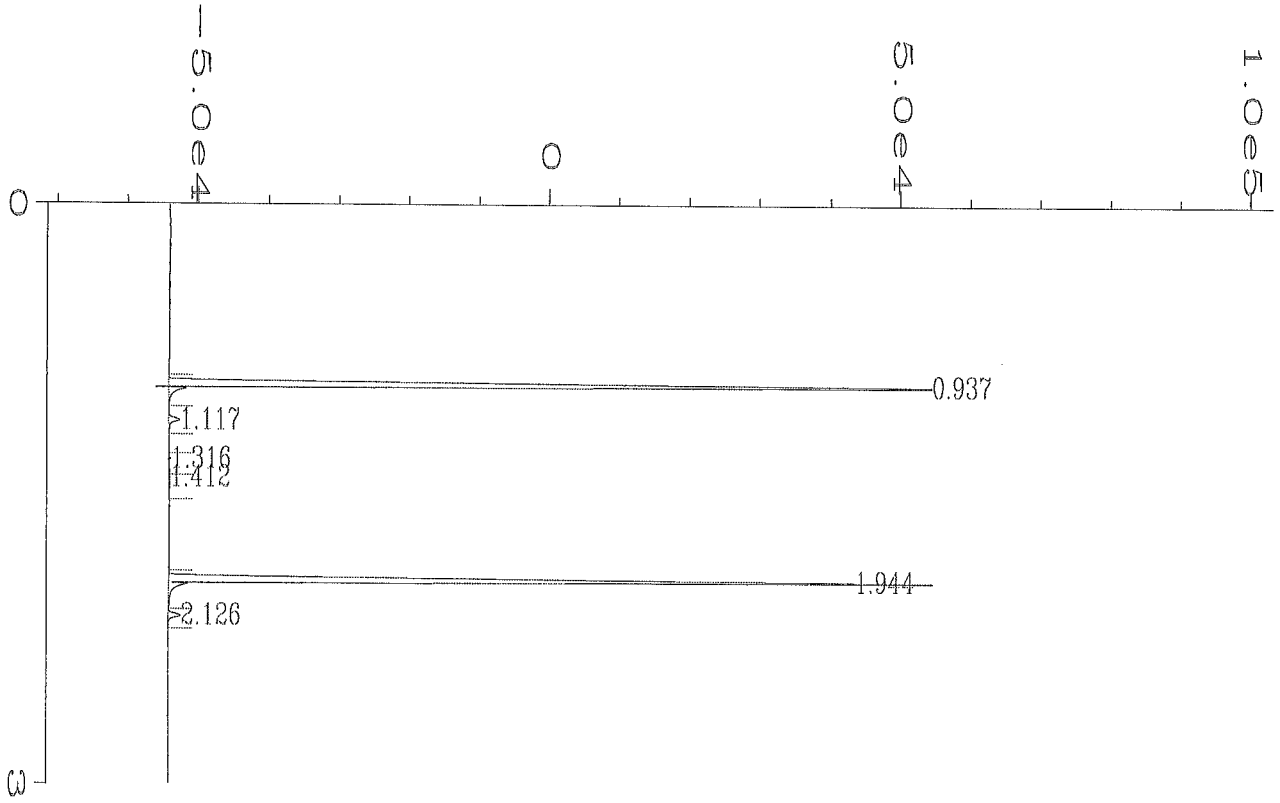
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\C09086D.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.938	126540	99061	PV	0.020	51.9565
2	1.121	3660	2216	VV	0.025	1.5029
3	1.958	109850	2809	HBAS	0.464	45.1035
4	2.127	3500	2522	BV T	0.022	1.4370

Total area = 243550

==========



Area Percent Report

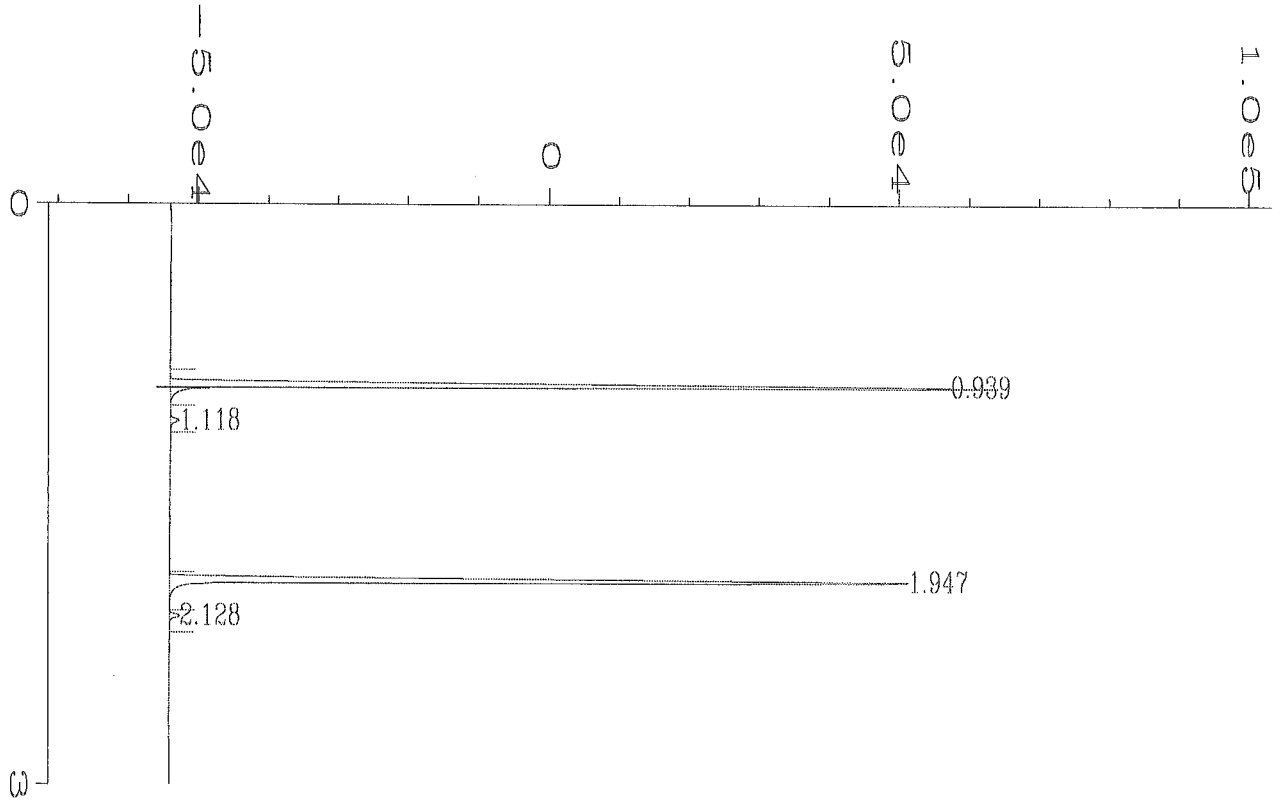
Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\C09086C.D
Operator : DA
Instrument : GCL
Sample Name : ST63492
Run Time Bar Code:
Acquired on : 08 Sep 26 01:18 PM
Report Created on: 09 Aug 26 12:29 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\C09086C.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.937	143645	110605	PV	0.021	51.1366
2	1.117	2607	1574	VV	0.025	0.9279
3	1.316	133	295	PV	0.031	0.0475
4	1.412	309	104	VV	0.055	0.1099
5	1.944	131430	101873	BV	0.020	46.7882
6	2.126	2781	1793	VV	0.024	0.9900

Total area = 280905



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Area Percent Report

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Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\C09086B.D
Operator : DA
Instrument : GCL
Sample Name : ST63492
Run Time Bar Code:
Acquired on : 08 Sep 26 01:14 PM
Report Created on: 09 Aug 26 12:29 PM

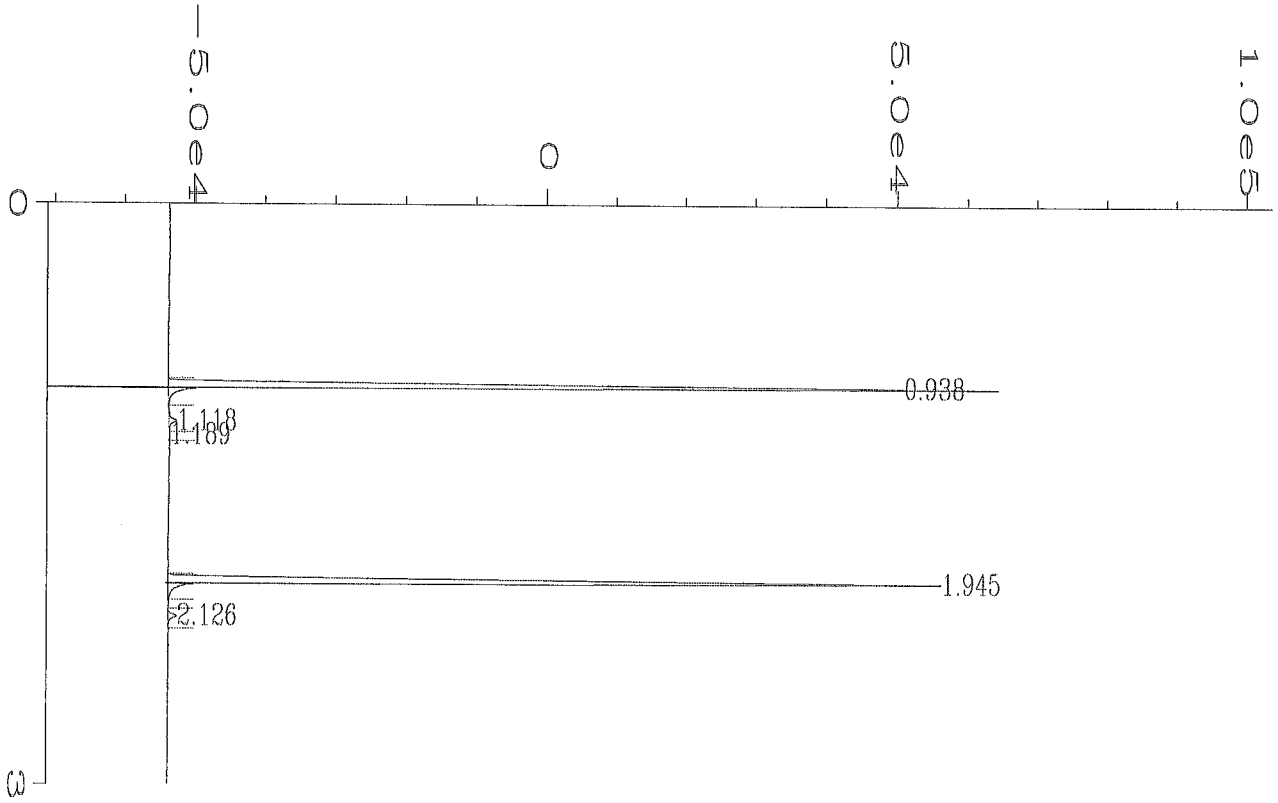
Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\C09086B.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.939	148185	112229	BV	0.023	50.1395
2	1.118	2023	1264	PV	0.024	0.6844
3	1.947	143154	106908	PV	0.021	48.4375
4	2.128	2183	1447	VV	0.023	0.7386

Total area = 295545

==========



Area Percent Report

Data File Name : C:\GCCHEM\1\DATA\GCO\09086GCO\C09086A.D
Operator : DA
Instrument : GCL
Sample Name : ST63492
Run Time Bar Code:
Acquired on : 08 Sep 26 01:10 PM
Report Created on: 09 Aug 26 12:29 PM

Page Number : 1
Vial Number :
Injection Number :
Sequence Line :
Instrument Method: AST1946H.MTH
Analysis Method : DEFAULT.MTH

Sig. 1 in C:\GCCHEM\1\DATA\GCO\09086GCO\C09086A.D

Pk#	Ret Time	Area	Height	Type	Width	Area %
1	0.938	135371	109648	BV	0.018	48.1202
2	1.118	2075	1071	PV	0.028	0.7375
3	1.189	189	96	VV	0.033	0.0672
4	1.945	141842	114454	PV	0.020	50.4205
5	2.126	1842	1206	VV	0.029	0.6547

Total area = 281318

Section 5 Standard Calibration Certificates

This section contains the Standard Calibration Certificates for the Standards and Internal Standards.

Section Contents

Standard Calibration Certificates

Airgas
an Air Liquide company

Airgas Specialty Gases
Airgas USA LLC
6141 Easton Road
Plumsteadville, PA 18949
Airgas.com

CERTIFICATE OF ANALYSIS

Grade of Product: CERTIFIED STANDARD-SPEC

Customer:	RESTEK CORPORATION		
Part Number:	X07HE74CP14C000	Reference Number:	160-403589976-1
Cylinder Number:	ST0000243675	Cylinder Volume:	14.0 LG
Laboratory:	124 - Plumsteadville - PA	Cylinder Pressure:	240 PSIG
Analysis Date:	Mar 23, 2026	Valve Outlet:	160
Lot Number:	160-403589976-1		

Expiration Date: Mar 23, 2029

Product composition verified by direct comparison to calibration standards traceable to N.I.S.T. weights and/or N.I.S.T. Gas Mixture reference materials.

ANALYTICAL RESULTS

Component	Req Conc	Actual Concentration (Mole %)	Analytical Uncertainty
OXYGEN	2.500 %	2.469 %	+/- 2%
HYDROGEN	4.000 %	3.958 %	+/- 2%
METHANE	4.000 %	4.045 %	+/- 2%
CARBON DIOXIDE	5.000 %	4.928 %	+/- 2%
CARBON MONOXIDE	5.000 %	4.941 %	+/- 2%
NITROGEN	5.000 %	4.961 %	+/- 2%
HELIUM	Balance		

Notes:RESTEK P/N 34543
PO P131538

Approved for Release

ST6349I	10% Helium 1:10 syringe dilution ISP He : ISP N_2	8/11/06
ST6349Z	10% Hydrogen 1:10 syringe dilution H_2 : ISP N_2	9/8/06

CE Schmidt, Ph.D.
Environmental Consultant
Confidential Attorney Client Privileged Communication and Attorney Work Product

ATTACHMENT D

CALIBRATION DATA

19200 Live Oak Road Red Bluff, CA 96080 (530) 529-4256 Fax- 4878

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/20/26 SAMPLERS CES

LOCATION CCLF #6

INSTRUMENT TYPE TVA LD. NO. 1000 TYPE _____ ID NO. _____

INSTRUMENT BASELINE 1392 ±

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☐

AMBIENT CONCENTRATIONS _____

0850

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 4

SPAN GAS TYPE CH4 INPUT CONCENTRATION 100 / 25 RESPONSE ~~28~~ 24

RECALIBRATION: YES X NO _____

ACCEPANCE OK @ 25 ppm CA | NEEDS CHARGE ✓ RECHARGED

INPUT- ZERO AIR RESPONSE 2 ppm

1150 SPAN GAS TYPE Hex INPUT CONCENTRATION 25 ppm RESPONSE 21 ppm

ACCEPTANCE ✓ OK

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 8/20/26 SAMPLERS CES

LOCATION CLIP #C

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

0850 PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1462 0.001 PPMV 1392 RESPONSE

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES _____ NO _____

ACCEPANCE _____

INPUT- ZERO AIR RESPONSE NONE - NEED RESPONSE = USED PUMPS

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1210 INPUT ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/20/26 SAMPLERS CLS

LOCATION CCLF #6

INSTRUMENT TYPE MiniRAE I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☒
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.0 ppm

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 RESPONSE 23 ppm

RECALIBRATION: YES _____ NO X

ACCEPANCE OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1200 INPUT ZERO AIR RESPONSE 0.0 ppm

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 RESPONSE 32 ppm

ACCEPTANCE HIGH 128 OK

RECALIBRATION: YES _____ NO _____ DT DRIFT

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/21/26 SAMPLERS CES

LOCATION CCLF #8

INSTRUMENT TYPE TOX7 I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

0702 **PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE**

INPUT ZERO AIR RESPONSE 1392 0.003 ppm 1462 0.000 ppm

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES ✓ NO _____ H/L

ACCEPANCE A OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1246 INPUT ZERO AIR RESPONSE 1392 0.016 1462 0.005 ppm

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE HIGH BLANK

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/24/26 SAMPLERS CES

LOCATION CCUF #2

INSTRUMENT TYPE N/A I.D. NO. 1022 TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐

AMBIENT CONCENTRATIONS _____

0705

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.2 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 ppmv RESPONSE 23 ppmv

RECALIBRATION: YES _____ NO _____

ACCEPANCE 92% ✓

INPUT- ZERO AIR RESPONSE _____

1154 SPAN GAS TYPE _____ INPUT CONCENTRATION 25 RESPONSE 26

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1.3 ppmv

1245 SPAN GAS TYPE N/A INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE OUT OF RANGE BUT WORKED WELL

RECALIBRATION: YES _____ NO X

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/21/26 SAMPLERS CBS

LOCATION CALF #8

INSTRUMENT TYPE MFID I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.0 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 ppm RESPONSE 22 ppmv

RECALIBRATION: YES _____ NO _____

ACCEPANCE 88% ✓

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.0 ppmv

SPAN GAS TYPE UHP INPUT CONCENTRATION _____ RESPONSE 25 ppmv !

ACCEPTANCE CH4 100% 25 ppmv [illegible]

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/22/26 SAMPLERS CES

LOCATION CCLF #8

INSTRUMENT TYPE 5631 I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0719

INPUT ZERO AIR RESPONSE 1392 0.000 ppmv 1462 0.000 PPMV

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE NO SPAN

RECALIBRATION: YES X NO _____ M/L

ACCEPANCE A OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1392 0.000 ppmv 1462 0.000 PPMV

1200 SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/22/26 SAMPLERS CES

LOCATION CELF #8

INSTRUMENT TYPE MRD I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0724 INPUT ZERO AIR RESPONSE 000 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 ppmv RESPONSE 27 ppmv

RECALIBRATION: YES X NO _____

ACCEPANCE A OK

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1200 INPUT ZERO AIR RESPONSE 6.2 ppmv 4/16/H

SPAN GAS TYPE _____ INPUT CONCENTRATION 25 RESPONSE 24 ppm

ACCEPTANCE OK

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

TVA - BATTERY OUT, NEED RPL
USED AES TVA

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/23/26 SAMPLERS CES

LOCATION CCLF #8

INSTRUMENT TYPE MKII LD. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

0712 **PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE**

INPUT ZERO AIR ✓ RESPONSE 2.6 ppmv

SPAN GAS TYPE _____ INPUT CONCENTRATION 25 ppmv RESPONSE 25.6

RECALIBRATION: YES _____ NO X

ACCEPANCE OK, BLANK A BIT HIGH BUT SPAN GREAT

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1143 INPUT ZERO AIR RESPONSE 12.3 ppmv → 10 ppmv (TEMP ~ 90 °F!)

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 ppmv RESPONSE 31 ppmv

ACCEPTANCE 124% JUST OK — OFFSET DUE TO TEMP

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

★ QA FROM RES GOLD DATA FOR VOCs

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/23/26 SAMPLERS CBS

LOCATION CCLF #8

INSTRUMENT TYPE 1631 I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☒
AMBIENT CONCENTRATIONS _____

0715

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 1462 0,000 ppmv 1392 0,11 ppmv

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES X HL NO _____ 1462 OK

ACCEPANCE 1392 RUNNING HIGH ALL WEEK - WILL NOT SETTLE DOWN

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1442 INPUT ZERO AIR RESPONSE 1392 0.15 ppmv 1462 0.003 ppmv ✓

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE 1392 UNSTABLE 1462 GOOD

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/24/20 SAMPLERS AES

LOCATION CCLF #8

INSTRUMENT TYPE TG31 I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

0700 INPUT ZERO AIR RESPONSE 1392 0.11 ppmv 1462 0.000 ppmv

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

RECALIBRATION: YES ✓ H/L NO _____

ACCEPANCE 1392 STILL WACKY; 1462 GOOD!

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1138 INPUT ZERO AIR RESPONSE 1392 0.20 ppmv 1462 0.004 ppmv

SPAN GAS TYPE NA INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE OK 1462

RECALIBRATION: YES ✓ H/L NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/24/26 SAMPLERS CES

LOCATION CCLF #8

INSTRUMENT TYPE TDA LD. NO. 1000 TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☒ PRE-USE SPAN CHECK ☒ POST-USE SPAN CHECK ☒
AMBIENT CONCENTRATIONS _____

0709 **PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE**

INPUT ZERO AIR RESPONSE -0.2 ✓

SPAN GAS TYPE CH_4 INPUT CONCENTRATION 25 ppmv RESPONSE 26 ppmv

RECALIBRATION: YES X NO _____

ACCEPANCE YES! GREAT

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1238 INPUT ZERO AIR RESPONSE -3 ppmv HOT!

SPAN GAS TYPE CH_4 INPUT CONCENTRATION 25 ppmv RESPONSE 25.2 ppmv

ACCEPTANCE ✓ OK

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT TDA RETURNED!

REAL TIME INSTRUMENT CALIBRATION FORM

DATE 7/24/26 SAMPLERS CES

LOCATION CCLF #8

INSTRUMENT TYPE MVP10 I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BLANK DETERMINATION ☐ PRE-USE SPAN CHECK ☐ POST-USE SPAN CHECK ☐
AMBIENT CONCENTRATIONS _____

PRE-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

INPUT ZERO AIR RESPONSE 0.0

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 ppmv RESPONSE 25 ppmv

RECALIBRATION: YES X NO _____

ACCEPANCE LOOKING GREAT BUT CALIB @ ~70°F

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

COMMENT _____

POST-USE CALIBRATION; ZERO AIR RESPONSE AND SPAN GAS RESPONSE

1210 INPUT ZERO AIR RESPONSE +10 ppmv

SPAN GAS TYPE CH4 INPUT CONCENTRATION 25 ppmv RESPONSE 34 ppmv

ACCEPTANCE MPM TOO HOT

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

INPUT- ZERO AIR RESPONSE _____

SPAN GAS TYPE _____ INPUT CONCENTRATION _____ RESPONSE _____

ACCEPTANCE _____

RECALIBRATION: YES _____ NO _____

COMMENT _____

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Linde Gas & Equipment Inc.
ISO 9001 Registered
37256 Highway 30
Geismar, LA 70734
Tel: 225-677-7700
Fax: 225-673-3531

Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **51194794**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **5/18/2026**
Revision Number: **0**
Certification Date: **5/18/2026**
Lot Number: **70340 6133 7Z**
Part Number: **AI EF.2MC-AS**
DocNumber: **914047**
Expiration Date: **5/14/2028**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.204 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.9999796 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70 F: **2000 psig**
Cylinder Volume: **143 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **CC144339**

Fill Date: **5/13/2026**
Analysis Date: **5/14/2026**

Filling Method: **Gravimetric**

Analyst: **Maria Martinez** **5/18/2026**

QA Reviewer: **Kristen Hanna** **5/18/2026**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

The gas calibration cylinder standard prepared by Linde Gas & Equipment Inc. is considered a certified standard. It is prepared by gravimetric, volumetric, or partial pressure techniques. The calibration standard provided is certified against Linde Gas & Equipment Inc. Reference Materials which are traceable to the International System of Units (SI) through either weights traceable to the National Institute of Standards and Technology (NIST) or Measurement Canada, or through NIST Standard Reference Materials or equivalent where available.

Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

IMPORTANT
The information contained herein has been prepared at your request by personnel within Linde Gas & Equipment Inc. While we believe the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any particular purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall liability of Linde Gas & Equipment Inc. arising out of the use of the information contained herein exceed the fee established for providing such information.

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ISO 9001 Registered
37256 Highway 30
Geismar, LA 70734
Tel: 225-677-7700
Fax: 225-673-3531

Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **51194794**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **5/18/2026**
Revision Number: **0**
Certification Date: **5/18/2026**
Lot Number: **70340 6133 7Y**
Part Number: **AI EF.2MC-AS**
DocNumber: **914046**
Expiration Date: **5/14/2028**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.212 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.9999788 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70 F: **2000 psig**
Cylinder Volume: **143 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **CC100011**

Fill Date: **5/13/2026**
Analysis Date: **5/14/2026**

Filling Method: **Gravimetric**

Analyst: **Maria Martinez** **5/18/2026**

QA Reviewer: **Kristen Hanna** **5/18/2026**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

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Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

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Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **51194794**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **5/18/2026**
Revision Number: **0**
Certification Date: **5/18/2026**
Lot Number: **70340 6133 7X**
Part Number: **AI EF.2MC-AS**
DocNumber: **914045**
Expiration Date: **5/14/2028**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.203 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.9999797 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70 F: **2000 psig**
Cylinder Volume: **145 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **CC173196**

Fill Date: **5/13/2026**
Analysis Date: **5/14/2026**

Filling Method: **Gravimetric**

Analyst: **Maria Martinez** **5/18/2026**

QA Reviewer: **Kristen Hanna** **5/18/2026**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

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Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

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Customer & Order Information:

CE SCHMIDT
19200 LIVE OAK RD,
RED BLUFF, CA 96080-9248

Linde Order Number: **51194794**
Customer PO Number: **VERBAL CHUCK**

Certificate Issuance Date: **5/18/2026**
Revision Number: **0**
Certification Date: **5/18/2026**
Lot Number: **70340 6133 7W**
Part Number: **AI EF.2MC-AS**
DocNumber: **914044**
Expiration Date: **5/14/2028**

CERTIFICATE OF ANALYSIS

Certified Standard

Component	Requested Concentration (Molar)	Certified Concentration (Molar)	Analytical Reference	Analytical Uncertainty
1,1-Difluoroethane	**0.2 ppm**	**0.208 ppm**	**1**	**± 5 %**
Air	**99.99998 %**	**99.9999792 %**	**2**	**N/A**

Cylinder Style: **AS**
Cylinder Pressure @ 70 F: **2000 psig**
Cylinder Volume: **143 ft3**
Valve Outlet Connection: **CGA 590**
Cylinder Number(s): **CC90075**

Fill Date: **5/13/2026**
Analysis Date: **5/14/2026**

Filling Method: **Gravimetric**

Analyst: **Maria Martinez** **5/18/2026**

QA Reviewer: **Kristen Hanna** **5/18/2026**

Key to Analytical Techniques:

Reference	Analytical Instrument - Analytical Principle
1	Agilent 8890 - Gas Chromatography with FID
2	N/A - By Difference of Other Components

The gas calibration cylinder standard prepared by Linde Gas & Equipment Inc. is considered a certified standard. It is prepared by gravimetric, volumetric, or partial pressure techniques. The calibration standard provided is certified against Linde Gas & Equipment Inc. Reference Materials which are traceable to the International System of Units (SI) through either weights traceable to the National Institute of Standards and Technology (NIST) or Measurement Canada, or through NIST Standard Reference Materials or equivalent where available.

Note: All expressions for concentration (e.g., % or ppm) are for gas phase, by mole unless otherwise noted. Analytical uncertainty is expressed as a Relative % unless otherwise noted.

IMPORTANT
The information contained herein has been prepared at your request by personnel within Linde Gas & Equipment Inc. While we believe the information is accurate within the limits of the analytical methods employed and is complete to the extent of the specific analyses performed, we make no warranty or representation as to the suitability of the use of the information for any particular purpose. The information is offered with the understanding that any use of the information is at the sole discretion and risk of the user. In no event shall liability of Linde Gas & Equipment Inc. arising out of the use of the information contained herein exceed the fee established for providing such information.

EQUIPCO
RENTALS SALES SERVICE

2100 Meridian Park Boulevard, Concord, CA 94520
1-888-234-5678 equipcoservices.com

ARIZONA INSTRUMENT JEROME 631-X
CERTIFICATE OF CALIBRATION VERIFICATION

RENTAL ID: 631X.09

SERIAL NUMBER: 1392

Verification Device Instrumentation:

Metronics DynaCal Permeation Device, Total Rate: 265.50 ng/min ±1.41% @ 30°C

Serial No. 59-57787 **CAS#** 7783-06-4

VICI Metronics DynaCalibrator Model 505-18-R-N

Serial No. M-2741 **Cert#** 21-4055

CALIBRATION VERIFICATION DATA (Low Range)

Calibration Gas:		Tolerance:	631-X Response:	Pass or Fail:
ZERO:	0.00ppm H2S	±0.003 ppm	0 ppm H2S	PASS
RANGE 1:	0.03ppm H2S	±5%	0.32 ppm H2S	PASS
RANGE 2:	0.10ppm H2S	±5%	0.10 ppm H2S	PASS
RANGE 3:	0.23 ppm H2S	±5%	0.23 ppm H2S	PASS

Calibrated By

05/13/2026
Calibration Date

EQUIPCO
RENTALS SALES SERVICE

2100 Meridian Park Boulevard, Concord, CA 94520
1-888-234-5678 equipcoservices.com

ARIZONA INSTRUMENT JEROME 631-X
CERTIFICATE OF CALIBRATION VERIFICATION

RENTAL ID: 631X.03

SERIAL NUMBER: 1391

Verification Device Instrumentation:

Metronics DynaCal Permeation Device, Total Rate: 265.50 ng/min ±1.41% @ 30°C

Serial No. 59-57787 **CAS#** 7783-06-4

VICI Metronics DynaCalibrator Model 505-18-R-N

Serial No. M-2741 **Cert#** 21-4055

CALIBRATION VERIFICATION DATA (Low Range)

Calibration Gas:		Tolerance:	631-X Response:	Pass or Fail:
ZERO:	0.00ppm H2S	±0.003 ppm	0 ppm H2S	PASS
RANGE 1:	0.03ppm H2S	±5%	0.32 ppm H2S	PASS
RANGE 2:	0.10ppm H2S	±5%	0.10 ppm H2S	PASS
RANGE 3:	0.23 ppm H2S	±5%	0.23 ppm H2S	PASS

Calibrated By

05/13/2026
Calibration Date

CALIBRATION OF ROTOMETERS 2/16/26

#10-5 @ 5 SETTING
$\bar{X}$= 10
FLOW 5.07 LPM

#10-13 @ 5 LPM $\bar{X}$=10
FLOW 5.18 LPM

#10-12 @ 5 LPM $\bar{X}$=10
FLOW 4.94 LPM

#10-6 @ 5 LPM $\bar{X}$=10
FLOW 5.07 LPM

#10-3 @ 5 LPM $\bar{X}$=10
FLOW 4.99 LPM

#10-1 @ 5 LPM $\bar{X}$=10
FLOW 5.06 LPM

Attachment 2
Source Test Protocol

Chiquita Canyon Landfill
Castaic, California

Post Remediation Assessment of Air Emissions From Landfill Surfaces



Sampling Protocol

Revision 1

May 2026

Prepared by

Thomas R. Card
Environmental Management Consulting
41125 278th Way SE, Enumclaw, WA 98022 USA
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Charles E. Schmidt, PhD
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530-529-4256 schmidtce@aol.com

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1. Revision History

This protocol was first produced in 2023. Since then, several modifications have been incorporated by addenda, including the following:

- Addendum No. 1, dated December 30, 2024.
- Addendum No. 2, dated April 14, 2025.
- Addendum No. 3, dated June 25, 2025.

This Revision No. 1 incorporates the previous addenda as well as adds new scope changes discussed at the meetings between Chiquita and South Coast Air Quality Management District (SCAQMD) staff on January 30, 2026 and April 30, 2026. This section identifies all significant changes to the original 2023 document, as follows:

1. Landfill Surface Nomenclature (p. 1) has been changed to include membranes and membrane/soil interface. Additional source category added to cover "Anomalous Areas", as defined below. The source categories are now: Landfill with Soil Covered Area, Membrane Covered Area, Membrane/Soil Interface Area, Anomalous Areas, and Exceedance Area.
2. Odor assessment has been removed.
3. TO-14 analysis has been added.
4. USEPA Contract Laboratory Program Data Package (CLP) for TO-15 has been added.
5. The addition of 1,1 Difluoroethane (1,1-DFA) as a tracer for flow determination.
6. Scope (Table 3.1) has been changed to reflect the new number (4) of source categories.

2. Introduction

Landfill Surface Nomenclature

For the purposes of this protocol, the landfill surface was divided into the following areas:

Non-Reaction Area (Now Landfill with Soil Cover)

This is the portion of the Landfill that is not affected by the landfill reaction and that did not exceed the SCAQMD Rule 1150.1 integrated data limit of 25 parts per million by volume (ppmv) on the most recent SEM (surface emissions monitoring) event. As of May 2026, this area will be designated as "Landfill with Soil Cover".

Reaction Area

This is the portion of the Landfill designated as being affected by the landfill reaction and that did not exceed the SCAQMD Rule 1150.1 integrated data limit on the most recent SEM event. As of May 2026, there will be no reaction area not covered by polymer membrane; therefore, this will no longer be a separate source category.

Membrane Covered Area

This was previously a subset of the Reaction Area that is covered with a HDPE membrane per Photo 2.1. As of March 2026, this will include the entire Reaction Area as well as portions of the non-reaction area that are covered by membrane.

Photo 2.1 Flux Chamber on Membrane Covering Portion of Landfill.



Membrane/Soil Cover Interface Area

These are the SEM Grid Cells that have partial soil cover and partial HDPE membrane cover.

Exceedance Area

This is the portion of the Landfill that was designated as being affected by the landfill reaction and that exceeded the SCAQMD Rule 1150.1 integrated data limit on the most recent SEM event. This portion of the Landfill was considered separately to assess any impact that the grid cells that exceeded the Rule 1150.1 integrated data criteria would have on total site surface emissions. Note that these grid cells are subject to a strict remediation schedule, so any emissions from these cells, over and above those from a reaction area cell not in exceedance, would be a temporary phenomenon.

Anomalous Areas

This is the portion of the Landfill where conditions exist at the time of testing, which are expected to result in increased flux rates. These areas of the Landfill will be assessed separately as a new source category. The selection of the anomalous areas will occur at a meeting to be scheduled the Thursday of the week prior to each flux testing event. The attendees will include SCAQMD staff; Tom Card and/or Chuck Schmidt; SCS Engineers (SCS) consulting staff; and site personnel. Decisions will be made at this meeting in terms of grid and test cell locations for the anomalous source category based on a review and discussion of the following data: (1) SEM data, (2) drone data, (3) wellhead data, (4) information on wells that are offline, and (5) field conditions related to the landfill cover and other conditions that could affect emissions. Preliminarily, the following conditions would be considered anomalous for the purpose of this source category; however, this list may evolve based on discussions during the aforementioned meetings:

- Areas where wells are offline due to cover installation or other construction activities.
- Wells with positive pressure above 2 inches of water column during the most recent wellhead monitoring event proceeding the Thursday meetings.
- Wells with any repeat readings of positive pressure during the most recent two months of wellhead monitoring proceeding the Thursday meetings.
- Areas where multiple adjacent wells exhibit positive pressure during the most recent wellhead monitoring event proceeding the Thursday meetings.
- Areas of known cover disturbance as identified by site personnel (e.g., excessive erosion, construction, earthmoving, etc.)
- Areas with elevated methane or total organic compound readings based on the most recent SEM and drone monitoring.
- Areas identified by site personnel where elevated surface emissions are known or expected.

Background

The Chiquita Canyon Landfill (CCL) is a municipal solid waste (MSW) landfill located in northern Los Angeles County. An area of the Landfill has experienced elevated gas temperatures and surface subsidence, with accompanying elevated gas generation, due to a subsurface reaction..

In accordance with Condition 12.d of the Stipulated Order for Abatement (SOFA) (Case No. 6177-4) between the South Coast Air Quality Management District (SCAQMD) and Chiquita Canyon, LLC, CCL is required to conduct additional flux chamber studies as a follow-up to a flux chamber study previously completed under the direction of the Los Angeles County Department of Public health, which was submitted to the SCAQMD by October 31, 2023. Procedures for this study, as detailed in the SOFA, are provided below.

> *Respondent has conducted an initial flux chamber study pursuant to the direction of the Los Angeles County Department of Public Health. Respondent shall conduct landfill gas flux studies for, at a minimum, methane, non-methane organic compounds ("NMOC"), speciated hydrocarbons (C2-C12), toxic air contaminants (TAC) analyzed by EPA Method TO-15 (including acrolein and additionally at least the ten highest concentration tentatively identified compounds), total reduced sulfur ("TRS"), and speciated sulfur compounds to determine the surface flux throughout the landfill starting with Quarter Four 2024 and once every four months thereafter. The studies shall be conducted through the use of dynamic flux chambers oriented at various locations throughout the landfill site, according to a South Coast AQMD approved protocol. Respondent shall prepare a proposed protocol(s) for the studies and shall submit the protocol(s) to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] for review and approval at least 75 days prior to the start of the month in which the test is planned, unless otherwise approved in writing by South Coast AQMD. A previous flux study protocol, reviewed and approved by South Coast AQMD, may be used if the proposed testing will follow all aspects of the prior South Coast AQMD approved protocol, with the exception of the testing/sampling locations on site. Reports detailing the operational conditions, methodology, quantity of tests and locations, sampling location determination, sampling results, data analysis, emission results, discussion of the results, and comparison of previous flux chamber test results to the current results shall be submitted by no later than 45 days after the end of the month during which a test was conducted, or no later than 90 days after South Coast AQMD approves the protocol, whichever is later, to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)], unless otherwise approved in writing by South Coast AQMD. The initial flux study report, covering the flux study for the fourth quarter of year 2024, shall be submitted earlier than the schedule indicated above, by January 15, 2025 to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)], unless otherwise approved in writing by South Coast AQMD. Respondent shall provide notice of the test date for each test to South Coast AQMD [Baitong Chen, Air Quality Engineer, (bchen@aqmd.gov); Nathaniel Dickel, Senior Air Quality Engineer, (ndickel@aqmd.gov), and Christina Ojeda, Air Quality Inspector, (cojeda@aqmd.gov)] at least 14 days prior to the scheduled test.*

This test protocol is intended to address the requirements in the SOFA as well as provide an emissions assessment to determine the landfill emissions of toxic and odorous substances in the *as is* condition ***post remediation***, for both the "non reaction area" and "reaction area," which is now covered with a membrane. This testing is termed "post remediation" because significant site improvements have occurred to exceedance areas since the last test was completed (and will continue to occur up until the date this testing occurs), which are expected to reduce surface emissions of LFG. Note that testing of the prior affected areas of the landfill will be conducted in the historic footprint of those portions of the landfill that experienced the effect of the subsurface reaction known as the reaction area.

Regarding the testing technologies to be used for the post-remediation testing event, as with the prior studies, the U.S. Environmental Protection Agency (USEPA) surface emission isolation flux chamber (flux chamber) technology will be used. This preferred USEPA technology as modified and described by SCAQMD Rule 1133.3, Attachment A, is a dynamic chamber method for direct measurement on advective area sources. This approach is further described in Section 5.

In addition, data will be collected that will allow for the accurate estimation of past and future emissions based on past and future SEM events.

Site Location

The test site, Chiquita Canyon Landfill, 29201 Henry Mayo Drive, Castaic, California, 91384.

Figure 2.1 –Site Location Map.



Objectives

The objective of this Emission Assessment is to quantify by field measurement, the air emissions of odorous chemicals, fixed gases (including methane, carbon dioxide, nitrogen, and carbon monoxide), reduced sulfur compounds, and speciated volatile organic compounds (VOC's) from the active and non-active landfill areas post remedial activities conducted at the landfill. The air emissions will be directly

measured using the USEPA Surface Emission Isolation Flux Chamber (flux chamber) following the USEPA User's Guidance document. Whole air samples will be collected from the flux chamber by lined Summa® canister and Tedlar® bag with analysis by

- ASTM D-1945/USEPA Method 3C for fixed gases (including methane, carbon dioxide, hydrogen, and carbon monoxide; as well as Helium when used as a tracer),
- USEPA Method TO-15 (MS) for 1-1-DFA (trace gas added for advective flow determination),
- SCAQMD Method 307-91 for organic reduced sulfur (ORS),
- USEPA Method TO-14/15 for speciated VOCs (including toxic air contaminants), and
- USEPA Method TO-12 for total non-methane VOC.

Testing will be conducted for the post-remediation condition as was done before using the same sampling (USEPA dynamic flux chamber technology) as described in the SCAQMD Rule 1133.3, Attachment A, for advective flow area sources.

Facility Description

Chiquita Canyon Landfill is an inactive MSW disposal facility.

3. Sampling Scope

This project is focused on the assessment of air emissions from the landfill disposal unit, including the soil covered area, the membrane covered area, and exceedance area post-remediation of the landfill. Each landfill area will be tested using the flux chamber technology.

The landfill fugitive emissions testing will be conducted by utilizing existing SEM screening data on the landfill surface and then conducting flux chamber testing on selected grids within the landfill cells based on emission potential, as shown by the SEM data. The grid cells selected for testing will depend on the screening levels based on monitoring data. In addition, data will be taken from out-of-compliance grids to determine the impact of exceedance cells on site air emissions.

The proposed scope of work for the landfill assessment for the purpose of determining representative emissions is given below in Table 3.1.

The product of the measurement program, which is based on the screening or monitoring data for air emission potential, is an average flux of NMOC/Sulfur/speciated VOC/TAC emissions per category of grid cell. These grid cell flux data multiplied by the number of grid cells in these categories when summed, will represent the air emissions of compounds from the landfill.

Table 3.1 Landfill Emissions Flux Chamber Testing Scope.

SOURCE	Flux Chamber Tests	TAC/Fixed Gas/VOC Sampling	Comment
Soil Covered Landfill Surfaces			
High Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Mid Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Low Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell

Membrane Covered Landfill Surfaces			
High Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Mid Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Low Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Exceedance Area Testing			
Intent to quantify difference in grid testing	4	4	Samples taken at same or distributed within levels of emission potential within category of grid cell
INTERFACE AREA			
High Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Mid Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Low Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
ANOMALOUS AREAS			
High Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Mid Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
Low Emission Category Grid Cell	4	4	Samples distributed within levels of emission potential within category of grid cell
QC Blank Samples		5	Minimum of 5% Blank Samples
QC Replicate Samples		5	Minimum of 5% Blank Samples
Total	**52**	**62**	

4. Quality Control

Quality control (QC) procedures that are used to assure data quality from flux chamber measurement are listed and described below. USEPA recommends no specific QC requirements except that a flow meter is used to introduce the sweep air at rate of 5.0 liters per minute (l/min), which requires calibration (i.e., multiple trials at single point of use calibration using a primary standard current for the year). The rotometer used as part of the emission measurement test should not be used for other applications, insuring the clean operation of the air introduction system. Operation of the chamber should follow the specific protocol for use described in the USEPA User's Guide. This includes using a 5.0 l/min sweep airflow rate and allowing for five residence times to achieve equilibration prior to sample collection. Other sampling quality control procedures are listed below.

- Media Blank Sample -- A media blank sample is obtained by filling sampling media with ultra high purity air, water, or impinger solution in the field, and handling the media blank samples as field samples. The frequency of media blank samples is a minimum of 5%, or one per trip. Media blank samples will be collected daily, and these data will be used to establish the system baseline.

- Replicate Sample -- Determine sample precision by collecting a replicate sample immediately after a sample is collected and analyzing both the field sample and the field replicate sample. The frequency of replicate sample collection will be a minimum of 5%; a replicate sample will be collected daily. The criteria for acceptable field precision is ±50% relative percent difference (RPD).

- Specific Method Performance -- Specific method QC is conducted as per analytical method requirements. This includes laboratory blanks, species recovery, and adherence to other method performance objectives such as calibration and retention time identifications. The laboratories will follow the method QA requirements for all listed methods.

- Sample Management -- Sample management is defined by the specific sampling method used to satisfy the program objectives. Sample management typically includes all activities involving the recording, preserving, storing, handling, and shipping of the field samples. A summary of the sample management information for the proposed field measurement activities is given in Tables 4.1 and 4.2.

Table 4.1 Summary of Sample Management Information

Analytical Method	Sample Container	Hold Time	Preservation	Special Considerations	Comment
USEPA Method TO-15/ TO-14/TO-12	6-Liter Canister	28-days	None	Ship in Cardboard	None
SCAQMD 307-91	1-Liter Tedlar® Bag	24 hours	None	Ship in Cardboard	None
ASTM D-1945/USEPA Method 3C	6-Liter Canister	30-days	None	Ship in Cardboard	None

Data qualifiers that will be used to assist in data usage include:

- J-estimated value or below method reporting limit (MRL);
- B-value found in blank sample and baseline corrected; and
- E-value found at level that exceeds calibration range.

Laboratory recovery and precision data, as well as field precision data, will be used to qualify data usage for the site flux chamber program.

Field QC Summary

The field QC activities scheduled for the field testing are summarized in Table 4.2. Deviation in schedule or frequency of QC activities will require corrective action, including documentation of corrective action in the field notebook and notifying a SCS project manager of the deviation and corrective action.

Table 4.2. Summary of Field Quality Control Information

Sampling Method	Activity	Frequency	Criteria	Comment
Flux Chamber	Rotometer Single-Point Calib.	Once per year	Define Rotometer Setting	None
Field Blank	All media	Minimum of 5%	None	Use As Baseline Data
Replicate Sample	All media	Minimum of 5%	± 50% RPD	Qualify Exceedances

5. Sampling Strategy

Selection of Sampling Locations

Sample locations will be selected based on data obtained from landfill gas screening per the SCAQMD Rule 1150.1 SEM program. The SCAQMD protocol is based on surveying the landfill surface on a track using a field portable, calibrated instrument sensitive to methane and total non-methane hydrocarbon (TNMHC). Using this methodology, locations will be selected for flux chamber testing.

Test Cell Selection Methodology

The landfill fugitive emissions assessment will be conducted by analyzing the periodic SEM data. At this site, SEM events happen as often as every two weeks. The proposed scope of work for the landfill assessment includes the analysis of recent SEM events followed by the flux chamber testing described in Table 3.1.

The Rule 1150.1 SEM event requires an instrument fit with a flame ionization detector (FID) used along with global positioning system (GPS) location recording to map fugitive surface hydrocarbon concentrations following a pattern per each grid cells applied to the site. Concentration data and location information are collected and stored for ranking grid cells on the landfill. The target data set from the screening is both instantaneous fugitive concentration data determined by walking a trek across each landfill grid cell (25' spacing) and integrated concentration data per grid cell with each grid at approximately 50,000 square feet. The integrated grid cell data is used to 'rank' the grid cells into categories of high, medium, and low, and the instantaneous fugitive concentration data is used to select representative locations for flux chamber testing where flux data for VOCs/Sulfur/TACs will be collected. The flux from these cells will be used to estimate air emissions from entire surface of these cells.

The grid pattern over the landfill is shown in Figure 5.1. The average integrated data for each cell is accumulated to determine total emissions for the source-category group. It is then broken into three equal emission groups. The high group, medium group, and low group.

In addition to these cells, targeted by the integrated SEM values, a cell will be selected that fails the 25 ppmv integrated value criteria and will be tested in the post remediation condition to determine the overall emissions impact of exceedance cells. All cell selection will be subject to field conditions at time of sampling.

Selecting Test Points in a Cell

Using survey flags, the proscribed serpentine route in a cell will be walked and FID readings will be periodically noted on planted flags. Flux chamber samples will be taken at the following locations:

1. Peak FID reading on serpentine walk
2. Mid-point of highest one third of readings
3. Mid-point of mid one third of readings
4. Mid-point of lowest one third of readings

Assign areas to each flux chamber samples by number of flags represented by each sample. Figure 5.2 shows the cell screening form to be used. Cells will be screened twice, one screening event a day or two prior to sampling, and one event immediately prior to sampling. Results will be recorded on same form using different ink colors. Photo 4.1 shows typical field screening activity.

Figure 5.1 Chiquita Canyon Landfill Cell Gridding

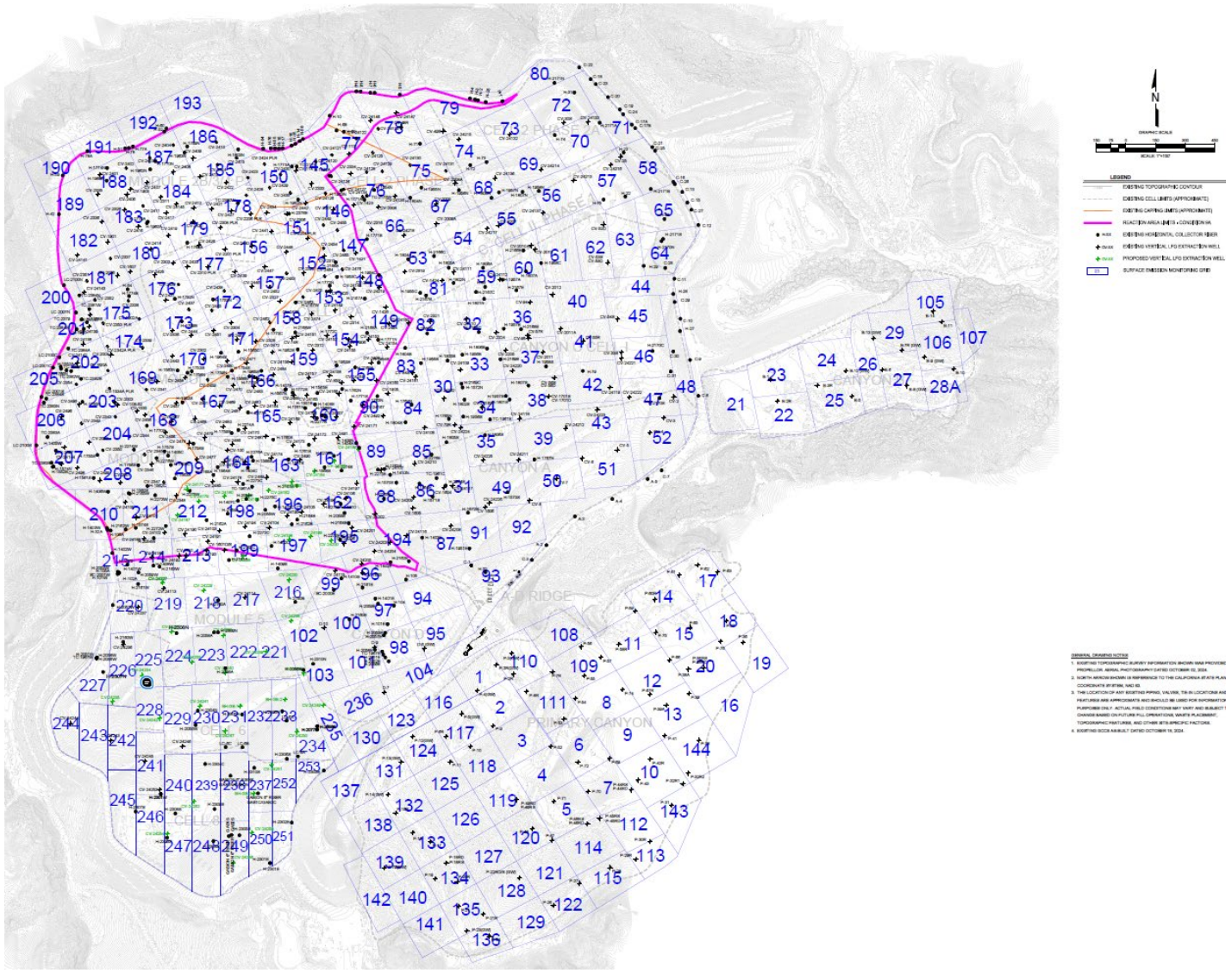


Figure 5.2 Grid Cell Screening Form

Chiquita Canyon Landfill
Cell Screening Form

Grid ID _____

Instrument _____

Baseline _____

Date _____

Time _____

Windpeed/Dir _____

Samplers _____

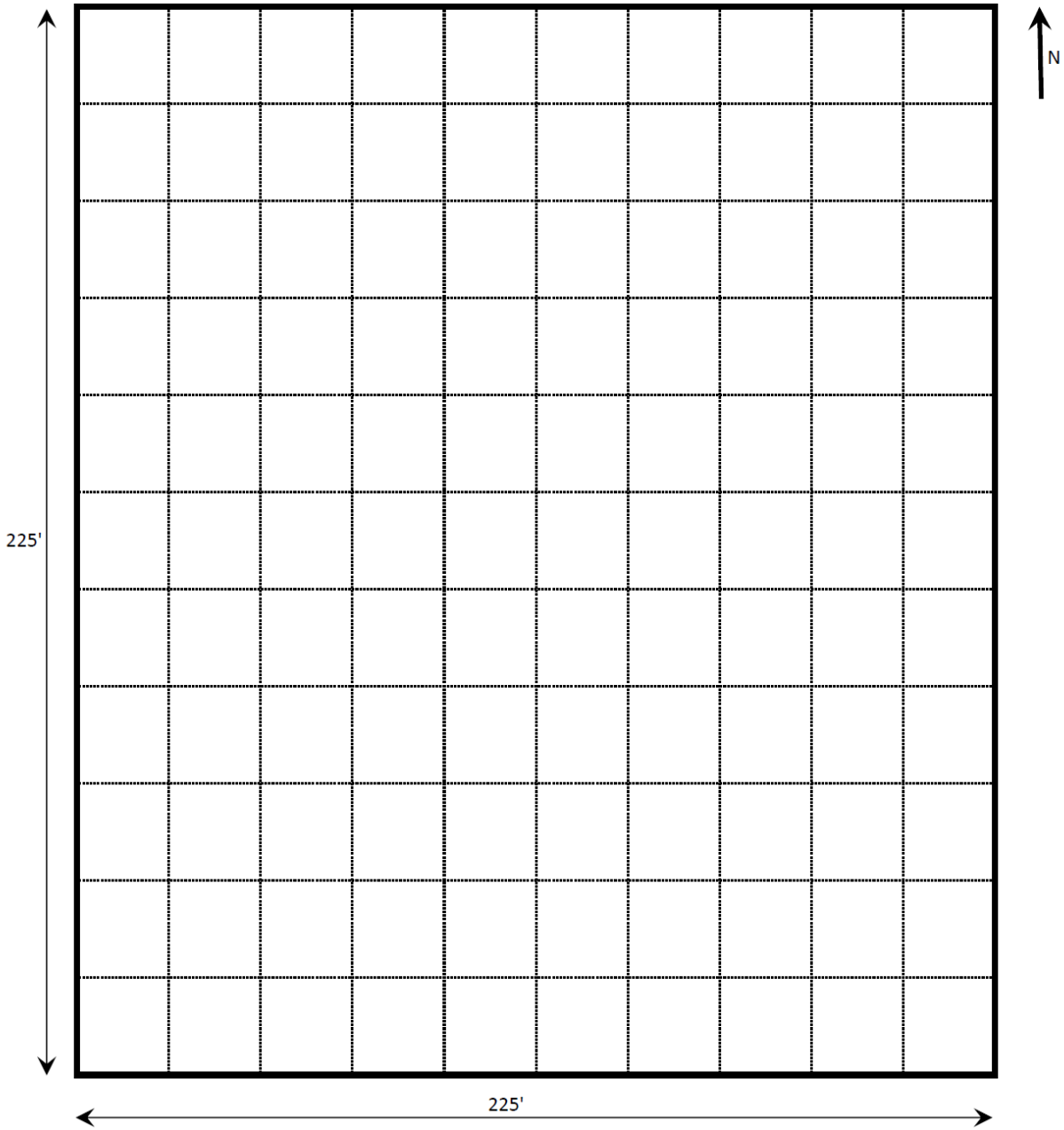


Photo 5.1 Typical Field Screening to Determine Flux Chamber Sampling Locations.



6. Sampling Methods

Flux Chamber Sampling

Dynamic vs. Static Chamber Technologies

Direct measurement using portable environmental chambers has been around now for many decades. USEPA and the Environmental Monitoring Systems Laboratory (EMSL-Las Vegas) in the early 1980's was interested in providing a direct emission measurement technology for 'area' sources that would compliment point source assessment and mobile source assessment technologies. Both 'static' and 'dynamic' chambers were explored looking at the efficacy of both approaches for use on hazardous and non-hazardous sites with area sources. The evaluation included criteria such as accuracy, precision, repeatability, cost, and easy of operation or level of expertise needed.

Looking at both static and dynamic chamber technologies, static chamber technologies were generally considered for screening applications verse quantitative assessment of emissions. The dynamic chamber technology approach was selected for their research and method development. Although static chambers are considered low-tech in that they do not need a sweep gas as with dynamic chambers and easy to use by comparison, the problems associated with collecting valid data focused their attention on dynamic chambers.

Basically, a static chamber on an area source, will collect surface emissions until an equilibrium is achieved in the chamber. That equilibration time is different with various compounds and type of source being tested. So the key parameter in measuring 'flux' of compounds (mass transfer of compounds from the surface- mass/time, surface area) which is equilibration 'time' from an area surface was unknown and would have to be assumed when the air sample from the static chamber was made. In addition, static chambers have significant wall effects from compound interaction, but more so, as you pull chamber air out of a static chamber which is a sealed vessel, a vacuum is created in the chamber resulting in a bias in the measurement.

These problems with static chamber technologies are overcome by using a dynamic chamber that is well mixed by design, uses a sweep air, and given that the dynamic chamber is vented to the atmosphere prevents unwanted pressure effects on collecting samples from the chamber. This results in an accurate, precise, and reliable assessment of surface flux from area sources.

The USEPA flux chamber technology which provides a protocol for this technology standardizing the design and use of the method as described in the USEPA Guidance document is considered a preferred, in-depth assessment technology. This Guidance and technology overcomes the issues with static chambers (recommended only for screening purposes) by using a standard chamber design, construction materials, sweep air, and standard operating protocol. As such the sweep air added to the chamber reduces or eliminates chamber wall effects, and allows for sampling the air in the chamber at steady state conditions (equilibration time constant) without influencing the flux event- sample collection is maintained by protocol at a rate in a vented chamber so that the pressure (negative or positive) in the dynamic chamber does not exceed 0.1 pascal pressure.

Even though the dynamic flux chamber requires a higher level of expertise to use, is more cumbersome to use, and require a companion compressed air cylinder of ultra high purity air as a sweep gas, the dynamic flux chamber is an agency approved technology for this application providing the most reliable

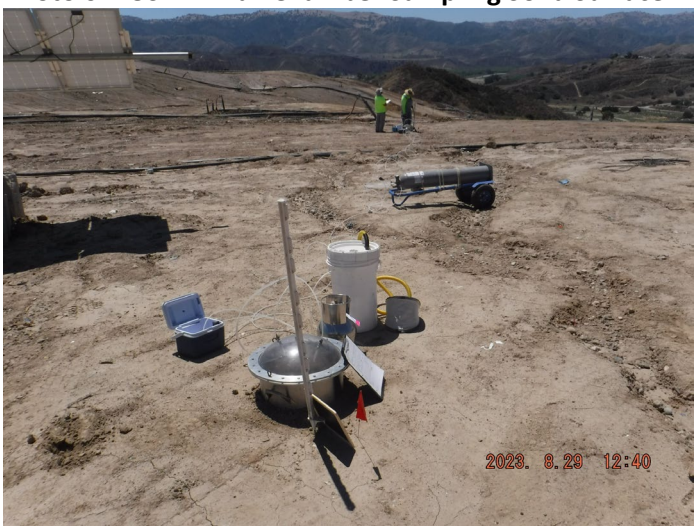
assessment of area sources available. In addition, as modified by the SCAQMD (Rule 1133.3, Attachment A), this dynamic area source assessment technology has been approved for us with advective sources that allow, by use of a trace gas (10% helium), quantitation of the advective flow for each location tested.

Flux Chamber Methodology Used for This Project

The surface emission isolation flux chamber (flux chamber) can be used on any liquid surface and on solid surfaces. The only requirement regarding application is that there must be access to the surface for testing. If the surface cannot support the chamber, the chamber must be suspended or equipped with a flotation devise or suspended from overhead.

For sampling natural or uncontrolled systems, the most critical issue regarding application is that the location and number of locations for testing be sufficient so that these data can be used to calculate the total emissions from the emitting surface area. Photographs of the flux chamber used to measure VOC/Sulfur/TAC emissions from landfill operations are shown in Photo 6.1.

Photo 6.1 USEPA Flux Chamber Sampling Solid Surface



The operation of the flux chamber involves the following:

1. Identifying the test area or test surface
2. Initiating sweep gas flow rate to the flux chamber
3. Operating the chamber for at least four residence times
4. Collecting exhaust gas for analysis and/or recording instrument response
5. Decontaminating the chamber
6. Relocating the measurement equipment to the next test area

The specific operating protocol for flux chamber sampling is as follows:

1. Locate the flux chamber, sweep gas, sample collection equipment, and field documents at the test location.
2. Document site information, location information, equipment information, name of sampler, date, and time on the Field Data Sheet (Figure 6.1).
3. Select the exact test location and place the chamber approximately 1/4 inch into test surface or sealed on an adaptor box apparatus. The chamber should be sealed along the base to prevent air infiltration. Place thermocouples to monitor soil/air temperature inside and outside of the chamber. Temperature data are used to show that the emission event was not disturbed during the measurement or to correlate emission rate to temperature.
4. Initiate the sweep gas flow rate and set the rotometer at 5.0 liters per minute. Constant sweep gas flow rate is critical. Record time.
5. Collect instrument background data (thermocouple) and record data.

6. Connect the purge pump. A total of 5.0 liters per minute is added to the chamber and the gas not sampled is exhausted out the pressure equalization port in the top of the chamber. The chamber is operated at near atmospheric pressure. Do not exceed an exhaust gas sample/purge rate of 2.5 liters per minute. This will prevent entraining of ambient air into the chamber and maintain an exhaust rate of at least 2.5 liters per minute out of the pressure equalization port.
7. Operate the chamber sweep air flow rate at 5.0 liters per minute and record data every residence time (6 minutes) for four to five residence times or 24 to 30 minutes. Record data. The chamber is at steady-state. Purge the sample line from the flux chamber with at least 10 line volumes of air.
8. Interface the Tedlar® bag media to the sample line, purge the sample line and bag, and collect the bag sample. After the bag sample, connect the sample line to the evacuated canister and collect the canister sample. Do not exceed a collection rate of 2.5 liters per minute at any time. This will prevent unwanted dilution of chamber exhaust gas by ambient air. After the canister
9. Label sample bag and sample canister, record sample collection on the data sheet.
10. Store the sample(s) in the appropriate storage and/or shipping container.
11. Document sample collection in field master log book.
12. Discontinue the flux measurement, shut off the sweep air, remove chamber, and secure equipment.
13. Decontaminate the chamber where contact was made with the soil using a clean paper towel and water (if needed) to remove any soil and condensation from the inside of the chamber. Purge the sample lines with sweep gas (5 liters per minute) for 2 minutes.
14. Relocate equipment to the next test location or test setting, and repeat steps 1 through 14.

Canister Sampling

Grab samples using Summa® polished, evacuated stainless steel canisters will be collected from the exhaust line of the flux chamber at steady-state conditions for speciation by gas chromatography. Sampling rate will be maintained at less than 2.5 liters per minute from the flux chamber. Canister samples will be collected by connecting the canister to the sampling line from the flux chamber using the 1/4-inch Swage-lock fittings, drawing a vacuum as motive from the canister and filling the canister. All canisters will be batch certified by the laboratory and sampled to full capacity (atmospheric pressure) given as they are grab samples.

Bag Sampling

Grab samples using Tedlar® bags will be collected from the exhaust line of the flux chamber at steady-state conditions for speciation by gas chromatography. Sampling rate will be maintained at less than 2.5 liters per minute from the flux chamber. Bag samples will be collected by connecting the bag evacuation chamber to the sampling line from the flux chamber using the 1/4-inch Swage-lock fittings/silicone tubing, drawing a vacuum as motive from the evacuation chamber and filling the bag. All bags will be conditioned by filling the bag one half full of sample, then purging prior to taking the final sample.

Sample Handling

Chain of Custody – All sampling media will be recorded using a chain-of-custody sheet, as shown on Figure 6.2. A copy of the chain-of-custody will be kept with the field samplers, and a copy will be shipped to the lab along with the samples. The lab will review the chain-of-custody, make any necessary annotations, and return a copy of the chain-of-custody with the reporting of the lab results.

Shipping

Samples will be packaged according to media preservation and shipping instructions; all samples will be shipped using commercial shippers allowing for sample hold times to be met by the laboratories. Shipping receipts will be retained by the field crew.

Figure 6.1 Flux Chamber Data Form.

SURFACE FLUX MEASUREMENT DATA FORM

DATE _____ SAMPLERS _____

LOCATION _____

SURFACE DESCRIPTION _____

CURRENT ACTIVITY _____

INSTRUMENT TYPE _____ I.D. NO. _____ TYPE _____ ID NO. _____

INSTRUMENT BASELINE _____

PROJECT QC: BACKGROUND MEASUREMENTS ☐ BLANK MEASUREMENTS ☐ REPLICATE MEASUREMENTS ☐
AMBIENT CONCENTRATIONS _____

CHAMBER I.D. _____ PHOTO TAKEN: Yes ☐ No ☐ _____

CHAMBER SEAL _____ CONDENSATION: Yes ☐ No ☐ BARM PRESS _____

AMBIENT CONDITIONS: Sun ☐ P.Sun ☐ Cloudy ☐ Wind at 5', ____ mph Wind at Seal,____ mph

TEMP _____ RAIN: Yes ☐ No ☐ Comment _____

PRIOR CHAMBER CLEANING: Full Wash ☐ Wet Wipe ☐ Dry Wipe ☐ None ☐ _____

SAMPLE LINE: BACK FLUSHED PRIOR TO START ☐ PURGED PRIOR TO SAMPLING ☐ New ☐ Used ☐

SWEEP AIR _____ CC _____ SUPPLIER _____ PSIG START _____ PSIG STOP _____

Time	Sweep Air (L/min)	Residence Number	Temperature (°F)				Real-Time (ppmv)		Sample Number	Comments
			Chamber		Ambient					
			Surf	Air	Surf	Air				
		0								
		1								
		2								
		3								
		4								
		5								

COMMENTS:

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____

SITE DIAGRAM

Figure 6.2 Example Chain-of-Custody Form

CE Schmidt, PhD, Environmental Consultant **Canisters Day 1**

Chain of Custody Record

Form Serial Number	For Information Regarding These Samples	#	Client Address and Phone Number	Laboratory Name
CES F1-02106	Please Contact:	O		***EAS***
Client Name		F	Analysis Requested	Laboratory Address
	Dr. Charles E. Schmidt	C		***173 Cross Street***
Project Manager	19200 Live Oak Road, Red Bluff, CA 96080	O		***San Luis Obispo, CA 93401***
	530-529-4256	N		Laboratory Phone
Requested Completion Date	E-Mail: SCHMIDTCE@aol.com	T		***805-781-3585***
		A		Laboratory Contact
		I		***Dr. Steve Hoyt***

Station Number	Date	Time	COMP	GRAB	Sample ID Number	Can ID Number	NERS	Sample Container: Vial	Can	Tube	TO-12 FID (TNMHC)	TO-14 FID (Target List/Groups)	TO-15 (See List on Back)	ASTM D-1945 (O2, CO2, He)		Can Pressure In (Inches Hg)	Can Pressure Out (Inches Hg)	Remarks

Sampler	Date/Time	Relinquished by	Date/Time	HAZWRAP/NEESA Y N
				QC Level 1 2 3
Recieved by	Date/Time	Relinquished by	Date/Time	COC
				Ana Req
Recieved by	Date/Time	Relinquished by	Date/Time	Cust Seal
				Sample Condition
Recieved by Laboratory	Date/Time	Sample Shipped Via		
		UPS FEDEX BUS Other		
Remarks	**Do Not Pressurize with Helium**			

7. Analytical Methods

SCAQMD Method 307-91 for Organic Reduced Sulfur

Sulfur species will be analyzed from a Tedlar® bag using a GC/SCD. The target analyte list is shown on Table 7.1.

Table 7.1 Target Analyte List for H2S/ORS.

Hydrogen sulfide
Carbonyl sulfide
Methyl mercaptan
Ethyl mercaptan
Dimethyl sulfide (DMS)
Carbon disulfide
isopropyl mercaptan
t-butyl mercaptan
n-propyl mercaptan
s-Butyl mercaptan
i-Butyl mercaptan
Dimethyl disulfide
Tetrahydrothiophene
Unidentified sulfurs
Total reduced sulfur (TRS)

ASTM D-1945/USEPA Method 3C for Fixed Gases

Fixed gases will be analyzed from a Summa® canister using a GC/TCD. The target analyte list is shown on Table 7.2.

Table 7.2 Target Analyte List for Fixed Gases.

Methane
Carbon dioxide
Oxygen
Nitrogen
Hydrogen
Carbon monoxide
Helium (when used as a tracer for flow determination)

USEPA TO-12/14 for VOCs or NMOCs

The C_2 to C_{12} hydrocarbons and total non-methane hydrocarbons (TNMHC) taken as VOC emissions is determined using fused silica capillary column on an HP 5890 GC with a FID detector. A 200 ml sample is loaded using a flow controller onto a glass bead freeze out trap immersed in liquid oxygen. The components are desorbed onto a cryo-focusing loop and separated using a 100-meter, 0.25-micron fused silica PetroCol capillary column. The column is programmed from -20 °C to 225 °C at 4 °C /min. On the FID, hydrocarbons have a uniform response based on the number of carbon atoms and the total area is used to calculate the TNMHC. The instrument is calibrated using a NIST Traceable, 10 ppmv hexane standard. The data will be reported as TNMHC as methane. In addition, data will be provided as to distributions of functional groups and molecular weights/carbon counts.

USEPA TO-15 for VOC Species

USEPA Method TO-15 GC/MS method uses a cryo-trapping system with a high-resolution capillary column to analyze for TAC using GC/MS. This method can be used for many saturated and unsaturated organic compounds, and includes alcohol compounds. The method can measure most compounds down to 0.2 ppbv. The target compound list is provided in Table 7.3

Samples are analyzed on an HP 5890 Series II gas chromatograph. A gas phase internal standard mixture is injected with each sample prior to sample loading. The freeze-out loop is constructed of 1/8" x 8" nickel tubing packed with glass beads and is immersed in liquid oxygen while the sample is drawn through the loop using a vacuum pump connected to a mass flow controller adjusted to a flow of 50 ml/min. After the sample is trapped, it is thermally desorbed at 150 ^{o}C using an electric heater and is cryo-focused onto the beginning of a 0.32 mm ID deactivated fused silica capillary column. The cryo-focused loop is then warmed and the compounds are injected onto a 60 meter, DB-5, 0.25 mm ID fused silica capillary column in the GC. The GC is temperature programmed from -10 ^{o}C to 220 ^{o}C at a ramp rate of 13 ^{o}C /min. As the column is heated, the compounds elute off the column and enter the detector.

The laboratory report will be compliant with USEPA Contract Laboratory Program (CLP) Data Package requirements.

Table 7.3 Target List for TO-15 HAP/TAC Speciated Hydrocarbon Analysis.

Propylene
Dichlorodifluoromethane
Methanol
Chloromethane
1,2-Dichlorotetrafluoroethane
Vinyl chloride
1,3-Butadiene
Bromomethane
Chloroethane
Ethanol
Acrolein
Trichlorofluoromethane
Acetone
2-propanol (isopropylalcohol)
t-Butyl alcohol
Methyl iodide
1,1-Dichloroethene
Acrylonitrile
1,1,2-Trichlorotrifluoroethane
Allyl chloride
Methylene chloride
Carbon disulfide
trans-1,2-Dichloroethene
Methyl tert butyl ether
Propionitrile
1,1-Dichloroethane
Ethyl tert butyl ether
Vinyl acetate
2-Butanone (MEK)
Diisopropyl ether
Hexane
Methacrylonitrile
Ethyl acetate
Bromochloromethane
Methyl acrylate
Tetrahydrofuran
Isobutyl alcohol
cis-1,2-Dichloroethene
2,2-Dichloropropane
Chloroform
1,1,1-Trichloroethane
1,2-Dichloroethane
1,1-Dichloropropene
Cyclohexane
Benzene
Carbon tetrachloride
t-Amyl methyl ether
2,2,4-Trimethylpentane
n-Heptane
1,2-Dichloropropane
1,4 Dioxane
Dibromomethane
Trichloroethene (TCE)
Bromodichloromethane
Methyl methacrylate
4-Methyl-2-pentanone (MIBK)
cis-1,3-Dichloropropene
Toluene
trans-1,3-Dichloropropene
1,1,2-Trichloroethane
Ethyl methacrylate
2-Hexanone
1,3-Dichloropropane
Octane
Dibromochloromethane
1,2-Dibromoethane (EDB)
Tetrachloroethene (PCE)
Chlorobenzene
1,1,1,2-Tetrachloroethane
Ethylbenzene
m,p-Xylenes
Nonane
Styrene
Bromoform
o-Xylene
1,1,2,2-Tetrachloroethane
1,2,3-Trichloropropane
t-1,4-Dichloro-2-butene
n-Propylbenzene
Isopropylbenzene
4-Ethyltoluene
1,3,5-Trimethylbenzene
Decane
tert-butyl benzene
1,2,4-Trimethylbenzene
i-Butylbenzene
sec-butylbenzene
1,3-Dichlorobenzene
Isopropyltoluene
Benzyl chloride
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-chloropropane
1,2,4-Trichlorobenzene
Naphthalene
1,2,3-Trichlorobenzene
Hexachlorobutadiene

8. Data Analysis and Reporting

Data Validation

All field and sample data will be reviewed and challenged against the method QC specifications. Data not meeting method specifications will be flagged appropriately.

Data Analysis

Landfill Air Emissions Assessment

All cells will be quantitatively screened by FID for the integrated concentration. The cells will be placed into three groups based on emission levels for this screening. Cells will be assessed (one high level, one mid-level, and one low level) in detail by further screening and flux chamber measurement. The emissions from the representative cells will be used to estimate the emissions for the entire group, for the initial three groups.

Report

The data will be presented in a report that provides a description of the sampling effort and tabular emission rates for each process. All field notes, chain-of-custody forms, and laboratory reports will be included in the report.

9. Project Implementation

Schedule

The project will be executed on the schedule given below. The project team will arrive the morning of testing at 0700. All equipment and field supplies will be inventoried that day. The first order of business will be to review health and safety issues. All field progress will be recorded on field data sheets and all chain-of-custody will be completed on the day of sample collection. All shipping records will be retained as part of the field data set and the person shipping samples is responsible for contacting the laboratory prior to sample receipt.

Table 9.1 Project Schedule

Revised Protocol	February 2026
Field Sampling	Three times per year, March, July, November
Report	Within 3 to 4 weeks of receipt of laboratory data

Laboratory Shipping Addresses

Canister Analysis

EAS
173 Cross Street
San Luis Obispo, CA 93401
Contact: Steve Hoyt, (805) 781-3585

Sulfur Analysis

AAC
2225 Sperry Avenue
Ventura, CA 93003
(805) 650-1642

Project Equipment

All sampling media (prepared per method specifications) will be provided by the contract laboratory, including clean, evacuated canisters. Dr. C.E. Schmidt will supply all other sampling equipment and expendable supplies. Following are the necessary field equipment and expendable supplies for the proposed field testing:

- USEPA flux chambers per USEPA design, including stainless steel Swage-lock fittings
- Support cooler with a mounted rotometer (0-to-5 liter per minute) through the cooler walls
- Brass, 2-stage regulator for bottled air (CGA 590 fitting for air and 1/4" Swage-lock (male) adapter fitting
- Ten-foot, ¼-inch Teflon® line with female fittings
- Ten-foot, 1/4-inch Teflon® air inlet/outlet support line
- Large size plastic support cooler
- Set of miscellaneous hand-tools including an adjustable crescent wrench for the CGA 580 regulator fitting, small adjustable crescent wrench for the 1/4-inch swage fittings, assorted medium- and small-size screw drivers
- Two 12-inch Type K thermocouple wires and temperature readout
- Rigid-wall shipping/storage crate for the flux chamber mounted on roller wheels
- Decontamination supplies, including Alconox soap, paper towels, and wash water
- Ultra high-purity air bottles with trace gas helium (4, size 150)
- Purge pump for sample line purging
- Canister media
- Sample shipping containers
- Hand tools
- Camera
- Hard hat
- Safety glasses
- Decompression lung samplers (2) for bag sample collection
- TVA-100B with support and calibration gases
- Jerome 631X analyzer

10. Health and Safety

All field work will be in conformance with the SCS Site Health and Safety Plan. Specific requirements are:

- Hard hat,
- Safety shoes,
- Eye protection,
- Visibility clothing, and
- Personal gas monitoring.

11. Works Cited

U.S. Environmental Protection Agency (USEPA). 1986. *Measurement of Gaseous Emission Rates from Land Surfaces Using an Emission Isolation Flux Chamber- User's Guide*, EPA 600/8-86-008 (NTIS PB86-223161).

SCAQMD Rule 1133.3, Attachment A.